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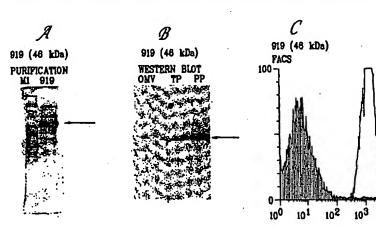
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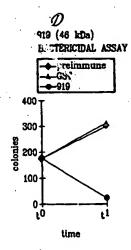
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(54) Title: NEISSERIA GENOMIC SEQUENCES AND METHODS OF THEIR USE



 ${\mathscr E}$



(57) Abstract

919 (46 kDa)

ELISA assay: positive

The invention provides methods of obtaining immunogenic proteins from genomic sequences including Neisseria, including the amino acid sequences and the corresponding nucleotide sequences, as well as the genomic sequence of Neisseria meningitidis B. The proteins so obtained are useful antigens for vaccines, immunogenic compositions, and/or diagnostics.

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NEISSERIA GENOMIC SEQUENCES AND METHODS OF THEIR USE

This application claims priority to provisional U.S. application serial no. 60/132,068, filed 30 April 1999; PCT/US99/23573, filed 8 October 1999 (to be published April 2000); and Great Britain application serial no. GB-0004695.3, filed 28 February 2000.

This invention relates to methods of obtaining antigens and immunogens, the antigens and immunogens so obtained, and nucleic acids from the bacterial species: Neisseria meningitidis. In particular, it relates to genomic sequences from the bacterium; more particularly its "B" serogroup.

BACKGROUND

Neisseria meningitidis is a non-motile, gram negative diplococcus human pathogen. It colonizes the pharynx, causing meningitis and, occasionally, septicaemia in the absence of meningitis. It is closely related to N. gonorrhoea, although one feature that clearly differentiates meningococcus from gonococcus is the presence of a polysaccharide capsule that is present in all pathogenic meningococci.

N. meningitidis causes both endemic and epidemic disease. In the United States the attack rate is 0.6-1 per 100,000 persons per year, and it can be much greater during outbreaks. (see Lieberman et al. (1996) Safety and Immunogenicity of a Serogroups A/C Neisseria meningitidis Oligosaccharide-Protein Conjugate Vaccine in Young Children. JAMA 275(19):1499-1503; Schuchat et al (1997) Bacterial Meningitis in the United States in 1995. N Engl J Med 337(14):970-976). In developing countries, endemic disease rates are much higher and during epidemics incidence rates can reach 500 cases per 100,000 persons per year. Mortality is extremely high, at 10-20% in the United States, and much higher in developing countries. Following the introduction of the conjugate vaccine against Haemophilus influenzae, N. meningitidis is the major cause of bacterial meningitis at all ages in the United States (Schuchat et al (1997) supra).

Based on the organism's capsular polysaccharide, 12 serogroups of N. meningitidis have been identified. Group A is the pathogen most often implicated in epidemic disease in sub-Saharan Africa. Serogroups B and C are responsible for the vast majority of cases in the

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United States and in most developed countries. Serogroups W135 and Y are responsible for the rest of the cases in the United States and developed countries. The meningococcal vaccine currently in use is a tetravalent polysaccharide vaccine composed of serogroups A, C, Y and W135. Although efficacious in adolescents and adults, it induces a poor immune response and short duration of protection, and cannot be used in infants (e.g., Morbidity and Mortality weekly report, Vol. 46, No. RR-5 (1997)). This is because polysaccharides are T-cell independent antigens that induce a weak immune response that cannot be boosted by repeated immunization. Following the success of the vaccination against *H. influenzae*, conjugate vaccines against serogroups A and C have been developed and are at the final stage of clinical testing (Zollinger WD "New and Improved Vaccines Against Meningococcal Disease". In: New Generation Vaccines, supra, pp. 469-488; Lieberman et al (1996) supra; Costantino et al (1992) Development and phase I clinical testing of a conjugate vaccine against meningococcus A (menA) and C (menC) (Vaccine 10:691-698)).

Meningococcus B (MenB) remains a problem, however. This serotype currently is responsible for approximately 50% of total meningitis in the United States, Europe, and South America. The polysaccharide approach cannot be used because the MenB capsular polysaccharide is a polymer of α(2-8)-linked N-acetyl neuraminic acid that is also present in mammalian tissue. This results in tolerance to the antigen; indeed, if an immune response were elicited, it would be anti-self, and therefore undesirable. In order to avoid induction of autoimmunity and to induce a protective immune response, the capsular polysaccharide has, for instance, been chemically modified substituting the N-acetyl groups with N-propionyl groups, leaving the specific antigenicity unaltered (Romero & Outschoorn (1994) Current status of Meningococcal group B vaccine candidates: capsular or non-capsular? Clin Microbiol Rev 7(4):559-575).

Alternative approaches to MenB vaccines have used complex mixtures of outer membrane proteins (OMPs), containing either the OMPs alone, or OMPs enriched in porins, or deleted of the class 4 OMPs that are believed to induce antibodies that block bactericidal activity. This approach produces vaccines that are not well characterized. They are able to protect against the homologous strain, but are not effective at large where there are many antigenic variants of the outer membrane proteins. To overcome the antigenic variability, multivalent vaccines containing up to nine different porins have been constructed (e.g.,

Poolman JT (1992) Development of a meningococcal vaccine. *Infect. Agents Dis.* 4:13-28). Additional proteins to be used in outer membrane vaccines have been the opa and opc proteins, but none of these approaches have been able to overcome the antigenic variability (e.g., Ala'Aldeen & Borriello (1996) The meningococcal transferrin-binding proteins 1 and 2 are both surface exposed and generate bactericidal antibodies capable of killing homologous and heterologous strains. *Vaccine* 14(1):49-53).

A certain amount of sequence data is available for meningococcal and gonococcal genes and proteins (e.g., EP-A-0467714, WO96/29412), but this is by no means complete. The provision of further sequences could provide an opportunity to identify secreted or surface-exposed proteins that are presumed targets for the immune system and which are not antigenically variable or at least are more antigenically conserved than other and more variable regions. Thus, those antigenic sequences that are more highly conserved are preferred sequences. Those sequences specific to *Neisseria meningitidis* or *Neisseria gonorrhoeae* that are more highly conserved are further preferred sequences. For instance, some of the identified proteins could be components of efficacious vaccines against meningococcus B, some could be components of vaccines against all meningococcal serotypes, and others could be components of vaccines against all pathogenic *Neisseriae*. The identification of sequences from the bacterium will also facilitate the production of biological probes, particularly organism-specific probes.

It is thus an object of the invention is to provide Neisserial DNA sequences which (1) encode proteins predicted and/or shown to be antigenic or immunogenic, (2) can be used as probes or amplification primers, and (3) can be analyzed by bioinformatics.

BRIEF DESCRIPTION OF THE DRAWINGS

- Fig. 1 illustrates the products of protein expression and purification of the predicted ORF 919 as cloned and expressed in *E. coli*.
- Fig. 2 illustrates the products of protein expression and purification of the predicted ORF 279 as cloned and expressed in *E. coli*.
- Fig. 3 illustrates the products of protein expression and purification of the predicted ORF 576-1 as cloned and expressed in *E. coli*.

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- Fig. 4 illustrates the products of protein expression and purification of the predicted ORF 519-1 as cloned and expressed in E. coli.
- Fig. 5 illustrates the products of protein expression and purification of the predicted ORF 121-1 as cloned and expressed in E. coli.
- Fig. 6 illustrates the products of protein expression and purification of the predicted ORF 128-1 as cloned and expressed in E. coli.
- Fig. 7 illustrates the products of protein expression and purification of the predicted ORF 206 as cloned and expressed in E. coli.
- Fig. 8 illustrates the products of protein expression and purification of the predicted ORF 287 as cloned and expressed in E. coli.
- Fig. 9 illustrates the products of protein expression and purification of the predicted ORF 406 as cloned and expressed in E. coli.
- Fig. 10 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 919 as cloned and expressed in E. coli.
- Fig. 11 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 279 as cloned and expressed in E. coli.
- Fig. 12 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 576-1 as cloned and expressed in E. coli.
- Fig. 13 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 519-1 as cloned and expressed in E. coli.
- Fig. 14 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 121-1 as cloned and expressed in E. coli.
- Fig. 15 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 128-1 as cloned and expressed in E. coli.
- Fig. 16 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 206 as cloned and expressed in E. coli.
- Fig. 17 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 287 as cloned and expressed in E. coli.
- Fig. 18 illustrates the hydrophilicity plot, antigenic index and AMPHI regions of the products of protein expression the predicted ORF 406 as cloned and expressed in E. coli.

THE INVENTION

The first complete sequence of the genome of N. meningitidis was disclosed as 961 partial contiguous nucleotide sequences, shown as SEQ ID NOs:1-961 of co-owned PCT/US99/23573 (the '573 application), filed 8 October 1999 (to be published April 2000). A single sequence full length genome of N. meningitidis was also disclosed as SEQ ID NO. 1068 of the '573 application. The invention is based on a full length genome of N. meningitidis which appears as SEQ ID NO. 1 in the present application as Appendix A hereto. The 961 sequences of the '573 application represent substantially the whole genome of serotype B of N. meningitidis (>99.98%). There is partial overlap between some of the 961 contiguous sequences ("contigs") shown in the 961 sequences, which overlap was used to construct the single full length sequence shown in SEQ ID NO. 1 in Appendix A hereto, using the TIGR Assembler [G.S. Sutton et al., TIGR Assembler: A New Tool for Assembling Large Shotgun Sequencing Projects, Genome Science and Technology, 1:9-19 (1995)]. Some of the nucleotides in the contigs had been previously released. (See ftp:11ftp.tigr.org/pub/data/n_meningitidis on the world-wide web or "WWW"). The coordinates of the 2508 released sequences in the present contigs are presented in Appendix A of the '573 application. These data include the contig number (or i.d.) as presented in the first column; the name of the sequence as found on WWW is in the second column; with the coordinates of the contigs in the third and fourth columns, respectively. The sequences of certain MenB ORFs presented in Appendix B of the '573 application feature in International' Patent Application filed by Chiron SpA on October 9, 1998 (PCT/IB98/01665) and January 14, 1999 (PCT/IB99/00103) respectively. Appendix B hereto provides a listing of 2158 open reading frames contained within the full length sequence found in SEQ ID NO. 1 in Appendix A hereto. The information set forth in Appendix B hereto includes the "NMB" name of the sequence, the putative translation product, and the beginning and ending nucleotide positions within SEQ ID NO. 1 which comprise the open reading frames. These open reading frames are referred to herein as the "NMB open reading frames".

In a first aspect, the invention provides nucleic acid including the *N. meningitidis* nucleotide sequence shown in SEQ ID NO. 1 in Appendix A hereto. It also provides nucleic acid comprising sequences having sequence identity to the nucleotide sequence disclosed herein. Depending on the particular sequence, the degree of sequence identity is preferably

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greater than 50% (e.g., 60%, 70%, 80%, 90%, 95%, 99% or more). These sequences include, for instance, mutants and allelic variants. The degree of sequence identity cited herein is determined across the length of the sequence determined by the Smith-Waterman homology search algorithm as implemented in MPSRCH program (Oxford Molecular) using an affine gap search with the following parameters: gap open penalty 12, gap extension penalty 1.

The invention also provides nucleic acid including a fragment of one or more of the nucleotide sequences set out herein, including the NMB open reading frames shown in Appendix B hereto. The fragment should comprise at least n consecutive nucleotides from the sequences and, depending on the particular sequence, n is 10 or more (e.g., 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 30, 35, 40, 45, 50, 60, 75, 100 or more). Preferably, the fragment is unique to the genome of N. meningitidis, that is to say it is not present in the genome of another organism. More preferably, the fragment is unique to the genome of strain B of N. meningitidis. The invention also provides nucleic acid that hybridizes to those provided herein. Conditions for hybridizing are disclosed herein.

The invention also provides nucleic acid including sequences complementary to those described above (e.g., for antisense, for probes, or for amplification primers).

Nucleic acid according to the invention can, of course, be prepared in many ways (e.g., by chemical synthesis, from DNA libraries, from the organism itself, etc.) and can take various forms (e.g., single-stranded, double-stranded, vectors, probes, primers, etc.). The term "nucleic acid" includes DNA and RNA, and also their analogs, such as those containing modified backbones, and also peptide nucleic acid (PNA) etc.

It will be appreciated that, as SEQ ID NOs:1-961 of the '573 application represent the substantially complete genome of the organism, with partial overlap, references to SEQ ID NOs:1-961 of the '573 application include within their scope references to the complete genomic sequence, that is, SEQ ID NO. 1 hereof. For example, where two SEQ ID NOs overlap, the invention encompasses the single sequence which is formed by assembling the two overlapping sequences, which full sequence will be found in SEQ ID NO. 1 hereof. Thus, for instance, a nucleotide sequence which bridges two SEQ ID NOs but is not present in its entirety in either SEQ ID NO is still within the scope of the invention. Such a sequence will be present in its entirety in the single full length sequence of SEQ ID NO. 1 of the present application.

The invention also provides vectors including nucleotide sequences of the invention (e.g., expression vectors, sequencing vectors, cloning vectors, etc.) and host cells transformed with such vectors.

According to a further aspect, the invention provides a protein including an amino acid sequence encoded within a *N. meningitidis* nucleotide sequence set out herein. It also provides proteins comprising sequences having sequence identity to those proteins. Depending on the particular sequence, the degree of sequence identity is preferably greater than 50% (e.g., 60%, 70%, 80%, 90%, 95%, 99% or more). Sequence identity is determined as above disclosed. These homologous proteins include mutants and allelic variants, encoded within the *N. meningitidis* nucleotide sequence set out herein.

The invention further provides proteins including fragments of an amino acid sequence encoded within a *N. meningitidis* nucleotide sequence set out in the sequence listing. The fragments should comprise at least *n* consecutive amino acids from the sequences and, depending on the particular sequence, *n* is 7 or more (e.g., 8, 10, 12, 14, 16, 18, 20 or more). Preferably the fragments comprise an epitope from the sequence.

The proteins of the invention can, of course, be prepared by various means (e.g., recombinant expression, purification from cell culture, chemical synthesis, etc.) and in various forms (e.g. native, fusions etc.). They are preferably prepared in substantially isolated form (i.e., substantially free from other N. meningitidis host cell proteins).

Various tests can be used to assess the *in vivo* immunogenicity of the proteins of the invention. For example, the proteins can be expressed recombinantly or chemically synthesized and used to screen patient sera by immunoblot. A positive reaction between the protein and patient serum indicates that the patient has previously mounted an immune response to the protein in question; i.e., the protein is an immunogen. This method can also be used to identify immunodominant proteins.

The invention also provides nucleic acid encoding a protein of the invention.

In a further aspect, the invention provides a computer, a computer memory, a computer storage medium (e.g., floppy disk, fixed disk, CD-ROM, etc.), and/or a computer database containing the nucleotide sequence of nucleic acid according to the invention. Preferably, it contains one or more of the *N. meningitidis* nucleotide sequences set out herein.

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This may be used in the analysis of the N. meningitidis nucleotide sequences set out herein. For instance, it may be used in a search to identify open reading frames (ORFs) or coding sequences within the sequences.

In a further aspect, the invention provides a method for identifying an amino acid sequence, comprising the step of searching for putative open reading frames or proteincoding sequences within a N. meningitidis nucleotide sequence set out herein. Similarly, the invention provides the use of a N. meningitidis nucleotide sequence set out herein in a search for putative open reading frames or protein-coding sequences.

Open-reading frame or protein-coding sequence analysis is generally performed on a computer using standard bioinformatic techniques. Typical algorithms or program used in the analysis include ORFFINDER (NCBI), GENMARK [Borodovsky & McIninch (1993) Computers Chem 17:122-133], and GLIMMER [Salzberg et al. (1998) Nucl Acids Res 26:544-548].

A search for an open reading frame or protein-coding sequence may comprise the steps of searching a N. meningitidis nucleotide sequence set out herein for an initiation codon and searching the upstream sequence for an in-frame termination codon. The intervening codons represent a putative protein-coding sequence. Typically, all six possible reading frames of a sequence will be searched.

An amino acid sequence identified in this way can be expressed using any suitable system to give a protein. This protein can be used to raise antibodies which recognize epitopes within the identified amino acid sequence. These antibodies can be used to screen N. meningitidis to detect the presence of a protein comprising the identified amino acid sequence.

Furthermore, once an ORF or protein-coding sequence is identified, the sequence can be compared with sequence databases. Sequence analysis tools can be found at NCBI (http://www.ncbi.nlm.nih.gov) e.g., the algorithms BLAST, BLAST2, BLAST1, BLAST1, tBLASTn, BLASTx, & tBLASTx [see also Altschul et al. (1997) Gapped BLAST and PSI-BLAST: new generation of protein database search programs. Nucleic Acids Research 25:2289-3402]. Suitable databases for comparison include the nonredundant GenBank, EMBL, DDBJ and PDB sequences, and the nonredundant GenBank CDS translations, PDB,

SwissProt, Spupdate and PIR sequences. This comparison may give an indication of the function of a protein.

Hydrophobic domains in an amino acid sequence can be predicted using algorithms such as those based on the statistical studies of Esposti et al. [Critical evaluation of the hydropathy of membrane proteins (1990) Eur J Biochem 190:207-219]. Hydrophobic domains represent potential transmembrane regions or hydrophobic leader sequences, which suggest that the proteins may be secreted or be surface-located. These properties are typically representative of good immunogens.

Similarly, transmembrane domains or leader sequences can be predicted using the PSORT algorithm (http://www.psort.nibb.ac.jp), and functional domains can be predicted using the MOTIFS program (GCG Wisconsin & PROSITE).

The invention also provides nucleic acid including an open reading frame or protein-coding sequence present in a N. meningitidis nucleotide sequence set out herein.

Furthermore, the invention provides a protein including the amino acid sequence encoded by this open reading frame or protein-coding sequence.

According to a further aspect, the invention provides antibodies which bind to these proteins. These may be polyclonal or monoclonal and may be produced by any suitable means known to those skilled in the art.

The antibodies of the invention can be used in a variety of ways, e.g., for confirmation that a protein is expressed, or to confirm where a protein is expressed. Labeled antibody (e.g., fluorescent labeling for FACS) can be incubated with intact bacteria and the presence of label on the bacterial surface confirms the location of the protein, for instance.

According to a further aspect, the invention provides compositions including protein, antibody, and/or nucleic acid according to the invention. These compositions may be suitable as vaccines, as immunogenic compositions, or as diagnostic reagents.

The invention also provides nucleic acid, protein, or antibody according to the invention for use as medicaments (e.g., as vaccines) or as diagnostic reagents. It also provides the use of nucleic acid, protein, or antibody according to the invention in the manufacture of (I) a medicament for treating or preventing infection due to Neisserial bacteria (ii) a diagnostic reagent for detecting the presence of Neisserial bacteria or of antibodies raised against Neisserial bacteria. Said Neisserial bacteria may be any species or

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strain (such as N. gonorrhoeae) but are preferably N. meningitidis, especially strain A, strain B or strain C.

In still yet another aspect, the present invention provides for compositions including proteins, nucleic acid molecules, or antibodies. More preferable aspects of the present invention are drawn to immunogenic compositions of proteins. Further preferable aspects of the present invention contemplate pharmaceutical immunogenic compositions of proteins or vaccines and the use thereof in the manufacture of a medicament for the treatment or prevention of infection due to Neisserial bacteria, preferably infection of MenB.

The invention also provides a method of treating a patient, comprising administering to the patient a therapeutically effective amount of nucleic acid, protein, and/or antibody according to the invention.

According to further aspects, the invention provides various processes.

A process for producing proteins of the invention is provided, comprising the step of culturing a host cell according to the invention under conditions which induce protein expression. A process which may further include chemical synthesis of proteins and/or chemical synthesis (at least in part) of nucleotides.

A process for detecting polynucleotides of the invention is provided, comprising the steps of: (a) contacting a nucleic probe according to the invention with a biological sample under hybridizing conditions to form duplexes; and (b) detecting said duplexes.

A process for detecting proteins of the invention is provided, comprising the steps of: (a) contacting an antibody according to the invention with a biological sample under conditions suitable for the formation of an antibody-antigen complexes; and (b) detecting said complexes.

Another aspect of the present invention provides for a process for detecting antibodies that selectably bind to antigens or polypeptides or proteins specific to any species or strain of Neisserial bacteria and preferably to strains of N. gonorrhoeae but more preferably to strains of N. meningitidis, especially strain A, strain B or strain C, more preferably MenB, where the process comprises the steps of: (a) contacting antigen or polypeptide or protein according to the invention with a biological sample under conditions suitable for the formation of an antibody-antigen complexes; and (b) detecting said complexes.

Having now generally described the invention, the same will be more readily understood through reference to the following examples which are provided by way of illustration, and are not intended to be limiting of the present invention, unless specified.

Methodology - Summary of standard procedures and techniques. General

This invention provides Neisseria meningitidis MenB nucleotide sequences, amino acid sequences encoded therein. With these disclosed sequences, nucleic acid probe assays and expression cassettes and vectors can be produced. The proteins can also be chemically synthesized. The expression vectors can be transformed into host cells to produce proteins. The purified or isolated polypeptides can be used to produce antibodies to detect MenB proteins. Also, the host cells or extracts can be utilized for biological assays to isolate agonists or antagonists. In addition, with these sequences one can search to identify open reading frames and identify amino acid sequences. The proteins may also be used in immunogenic compositions and as vaccine components.

The practice of the present invention will employ, unless otherwise indicated, conventional techniques of molecular biology, microbiology, recombinant DNA, and immunology, which are within the skill of the art. Such techniques are explained fully in the literature e.g., Sambrook Molecular Cloning; A Laboratory Manual, Second Edition (1989); DNA Cloning, Volumes I and ii (D.N Glover ed. 1985); Oligonucleotide Synthesis (M.J. Gait ed, 1984); Nucleic Acid Hybridization (B.D. Hames & S.J. Higgins eds. 1984); Transcription and Translation (B.D. Hames & S.J. Higgins eds. 1984); Animal Cell Culture (R.I. Freshney ed. 1986); Immobilized Cells and Enzymes (IRL Press, 1986); B. Perbal, A Practical Guide to Molecular Cloning (1984); the Methods in Enzymology series (Academic Press, Inc.), especially volumes 154 & 155; Gene Transfer Vectors for Mammalian Cells (J.H. Miller and M.P. Calos eds. 1987, Cold Spring Harbor Laboratory); Mayer and Walker, eds. (1987), Immunochemical Methods in Cell and Molecular Biology (Academic Press, London); Scopes, (1987) Protein Purification: Principles and Practice, Second Edition (Springer-Verlag, N.Y.), and Handbook of Experimental Immunology, Volumes I-IV (D.M. Weir and C.C. Blackwell eds 1986).

Standard abbreviations for nucleotides and amino acids are used in this specification.

All publications, patents, and patent applications cited herein are incorporated in full by reference.

Expression systems

The Neisseria MenB nucleotide sequences can be expressed in a variety of different expression systems; for example those used with mammalian cells, plant cells, baculoviruses, bacteria, and yeast.

i. Mammalian Systems

Mammalian expression systems are known in the art. A mammalian promoter is any DNA sequence capable of binding mammalian RNA polymerase and initiating the downstream (3') transcription of a coding sequence (e.g., structural gene) into mRNA. A promoter will have a transcription initiating region, which is usually placed proximal to the 5' end of the coding sequence, and a TATA box, usually located 25-30 base pairs (bp) upstream of the transcription initiation site. The TATA box is thought to direct RNA polymerase II to begin RNA synthesis at the correct site. A mammalian promoter will also contain an upstream promoter element, usually located within 100 to 200 bp upstream of the TATA box. An upstream promoter element determines the rate at which transcription is initiated and can act in either orientation (Sambrook et al. (1989) "Expression of Cloned Genes in Mammalian Cells." In Molecular Cloning: A Laboratory Manual, 2nd ed.).

Mammalian viral genes are often highly expressed and have a broad host range; therefore sequences encoding mammalian viral genes provide particularly useful promoter sequences. Examples include the SV40 early promoter, mouse mammary tumor virus LTR promoter, adenovirus major late promoter (Ad MLP), and herpes simplex virus promoter. In addition, sequences derived from non-viral genes, such as the murine metallothionein gene, also provide useful promoter sequences. Expression may be either constitutive or regulated (inducible). Depending on the promoter selected, many promotes may be inducible using known substrates, such as the use of the mouse mammary tumor virus (MMTV) promoter with the glucocorticoid responsive element (GRE) that is induced by glucocorticoid in hormone-responsive transformed cells (see for example, U.S. Patent 5,783,681).

The presence of an enhancer element (enhancer), combined with the promoter elements described above, will usually increase expression levels. An enhancer is a regulatory DNA sequence that can stimulate transcription up to 1000-fold when linked to homologous or heterologous promoters, with synthesis beginning at the normal RNA start site. Enhancers are also active when they are placed upstream or downstream from the transcription initiation site, in either normal or flipped orientation, or at a distance of more than 1000 nucleotides from the promoter (Maniatis et al. (1987) Science 236:1237; Alberts et al. (1989) Molecular Biology of the Cell, 2nd ed.). Enhancer elements derived from viruses may be particularly useful, because they usually have a broader host range. Examples include the SV40 early gene enhancer (Dijkema et al (1985) EMBO J. 4:761) and the enhancer/promoters derived from the long terminal repeat (LTR) of the Rous Sarcoma Virus (Gorman et al. (1982b) Proc. Natl. Acad. Sci. 79:6777) and from human cytomegalovirus (Boshart et al. (1985) Cell 41:521). Additionally, some enhancers are regulatable and become active only in the presence of an inducer, such as a hormone or metal ion (Sassone-Corsi and Borelli (1986) Trends Genet. 2:215; Maniatis et al. (1987) Science 236:1237).

A DNA molecule may be expressed intracellularly in mammalian cells. A promoter sequence may be directly linked with the DNA molecule, in which case the first amino acid at the N-terminus of the recombinant protein will always be a methionine, which is encoded by the ATG start codon. If desired, the N-terminus may be cleaved from the protein by in vitro incubation with cyanogen bromide.

Alternatively, foreign proteins can also be secreted from the cell into the growth media by creating chimeric DNA molecules that encode a fusion protein comprised of a leader sequence fragment that provides for secretion of the foreign protein in mammalian cells. Preferably, there are processing sites encoded between the leader fragment and the foreign gene that can be cleaved either in vivo or in vitro. The leader sequence fragment usually encodes a signal peptide comprised of hydrophobic amino acids which direct the secretion of the protein from the cell. The adenovirus tripartite leader is an example of a leader sequence that provides for secretion of a foreign protein in mammalian cells.

Usually, transcription termination and polyadenylation sequences recognized by mammalian cells are regulatory regions located 3' to the translation stop codon and thus, together with the promoter elements, flank the coding sequence. The 3' terminus of the

mature mRNA is formed by site-specific post-transcriptional cleavage and polyadenylation (Birnstiel et al. (1985) Cell 41:349; Proudfoot and Whitelaw (1988) "Termination and 3' end processing of eukaryotic RNA. In Transcription and splicing (ed. B.D. Hames and D.M. Glover); Proudfoot (1989) Trends Biochem. Sci. 14:105). These sequences direct the transcription of an mRNA which can be translated into the polypeptide encoded by the DNA. Examples of transcription terminator/polyadenylation signals include those derived from SV40 (Sambrook et al (1989) "Expression of cloned genes in cultured mammalian cells." In Molecular Cloning: A Laboratory Manual).

Usually, the above-described components, comprising a promoter, polyadenylation signal, and transcription termination sequence are put together into expression constructs. Enhancers, introns with functional splice donor and acceptor sites, and leader sequences may also be included in an expression construct, if desired. Expression constructs are often maintained in a replicon, such as an extrachromosomal element (e.g., plasmids) capable of stable maintenance in a host, such as mammalian cells or bacteria. Mammalian replication systems include those derived from animal viruses, which require trans-acting factors to replicate. For example, plasmids containing the replication systems of papovaviruses, such as SV40 (Gluzman (1981) Cell 23:175) or polyomavirus, replicate to extremely high copy number in the presence of the appropriate viral T antigen. Additional examples of mammalian replicons include those derived from bovine papillomavirus and Epstein-Barr virus. Additionally, the replicon may have two replication systems, thus allowing it to be maintained, for example, in mammalian cells for expression and in a prokaryotic host for cloning and amplification. Examples of such mammalian-bacteria shuttle vectors include pMT2 (Kaufman et al. (1989) Mol. Cell. Biol. 9:946) and pHEBO (Shimizu et al. (1986) Mol. Cell. Biol. 6:1074).

The transformation procedure used depends upon the host to be transformed. Methods for introduction of heterologous polynucleotides into mammalian cells are known in the art and include dextran-mediated transfection, calcium phosphate precipitation, polybrene mediated transfection, protoplast fusion, electroporation, encapsulation of the polynucleotide(s) in liposomes, and direct microinjection of the DNA into nuclei.

Mammalian cell lines available as hosts for expression are known in the art and include many immortalized cell lines available from the American Type Culture Collection (ATCC), including but not limited to, Chinese hamster ovary (CHO) cells, HeLa cells, baby hamster kidney (BHK) cells, monkey kidney cells (COS), human hepatocellular carcinoma cells (e.g., Hep G2), and a number of other cell lines.

ii. Plant Cellular Expression Systems

There are many plant cell culture and whole plant genetic expression systems known in the art. Exemplary plant cellular genetic expression systems include those described in patents, such as: U.S. 5,693,506; US 5,659,122; and US 5,608,143. Additional examples of genetic expression in plant cell culture has been described by Zenk, Phytochemistry 30:3861-3863 (1991). Descriptions of plant protein signal peptides may be found in addition to the references described above in Vaulcombe et al., Mol. Gen. Genet. 209:33-40 (1987); Chandler et al., Plant Molecular Biology 3:407-418 (1984); Rogers, J. Biol. Chem. 260:3731-3738 (1985); Rothstein et al., Gene 55:353-356 (1987); Whittier et al., Nucleic Acids Research 15:2515-2535 (1987); Wirsel et al., Molecular Microbiology 3:3-14 (1989); Yu et al., Gene 122:247-253 (1992). A description of the regulation of plant gene expression by the phytohormone, gibberellic acid and secreted enzymes induced by gibberellic acid can be found in R.L. Jones and J. MacMillin, Gibberellins: in: Advanced Plant Physiology, Malcolm B. Wilkins, ed., 1984 Pitman Publishing Limited, London, pp. 21-52. References that describe other metabolically-regulated genes: Sheen, Plant Cell, 2:1027-1038(1990); Maas et al., EMBO J. 9:3447-3452 (1990); Benkel and Hickey, Proc. Natl. Acad. Sci. 84:1337-1339 (1987)

Typically, using techniques known in the art, a desired polynucleotide sequence is inserted into an expression cassette comprising genetic regulatory elements designed for operation in plants. The expression cassette is inserted into a desired expression vector with companion sequences upstream and downstream from the expression cassette suitable for expression in a plant host. The companion sequences will be of plasmid or viral origin and provide necessary characteristics to the vector to permit the vectors to move DNA from an original cloning host, such as bacteria, to the desired plant host. The basic bacterial/plant vector construct will preferably provide a broad host range prokaryote replication origin; a prokaryote selectable marker; and, for Agrobacterium transformations, T DNA sequences for Agrobacterium-mediated transfer to plant chromosomes. Where the heterologous gene is not

readily amenable to detection, the construct will preferably also have a selectable marker gene suitable for determining if a plant cell has been transformed. A general review of suitable markers, for example for the members of the grass family, is found in Wilmink and Dons, 1993, *Plant Mol. Biol. Reptr*, 11(2):165-185.

Sequences suitable for permitting integration of the heterologous sequence into the plant genome are also recommended. These might include transposon sequences and the like for homologous recombination as well as Ti sequences which permit random insertion of a heterologous expression cassette into a plant genome. Suitable prokaryote selectable markers include resistance toward antibiotics such as ampicillin or tetracycline. Other DNA sequences encoding additional functions may also be present in the vector, as is known in the art.

The nucleic acid molecules of the subject invention may be included into an expression cassette for expression of the protein(s) of interest. Usually, there will be only one expression cassette, although two or more are feasible. The recombinant expression cassette will contain in addition to the heterologous protein encoding sequence the following elements, a promoter region, plant 5' untranslated sequences, initiation codon depending upon whether or not the structural gene comes equipped with one, and a transcription and translation termination sequence. Unique restriction enzyme sites at the 5' and 3' ends of the cassette allow for easy insertion into a pre-existing vector.

A heterologous coding sequence may be for any protein relating to the present invention. The sequence encoding the protein of interest will encode a signal peptide which allows processing and translocation of the protein, as appropriate, and will usually lack any sequence which might result in the binding of the desired protein of the invention to a membrane. Since, for the most part, the transcriptional initiation region will be for a gene which is expressed and translocated during germination, by employing the signal peptide which provides for translocation, one may also provide for translocation of the protein of interest. In this way, the protein(s) of interest will be translocated from the cells in which they are expressed and may be efficiently harvested. Typically secretion in seeds are across the aleurone or scutellar epithelium layer into the endosperm of the seed. While it is not required that the protein be secreted from the cells in which the protein is produced, this facilitates the isolation and purification of the recombinant protein.

Since the ultimate expression of the desired gene product will be in a eucaryotic cell it is desirable to determine whether any portion of the cloned gene contains sequences which will be processed out as introns by the host's splicosome machinery. If so, site-directed mutagenesis of the "intron" region may be conducted to prevent losing a portion of the genetic message as a false intron code, Reed and Maniatis, Cell 41:95-105, 1985.

The vector can be microinjected directly into plant cells by use of micropipettes to mechanically transfer the recombinant DNA. Crossway, *Mol. Gen. Genet*, 202:179-185, 1985. The genetic material may also be transferred into the plant cell by using polyethylene glycol, Krens, et al., *Nature*, 296, 72-74, 1982. Another method of introduction of nucleic acid segments is high velocity ballistic penetration by small particles with the nucleic acid either within the matrix of small beads or particles, or on the surface, Klein, et al., *Nature*, 327, 70-73, 1987 and Knudsen and Muller, 1991, *Planta*, 185:330-336 teaching particle bombardment of barley endosperm to create transgenic barley. Yet another method of introduction would be fusion of protoplasts with other entities, either minicells, cells, lysosomes or other fusible lipid-surfaced bodies, Fraley, et al., *Proc. Natl. Acad. Sci. USA*, 79, 1859-1863, 1982.

The vector may also be introduced into the plant cells by electroporation. (Fromm et al., *Proc. Natl Acad. Sci. USA* 82:5824, 1985). In this technique, plant protoplasts are electroporated in the presence of plasmids containing the gene construct. Electrical impulses of high field strength reversibly permeabilize biomembranes allowing the introduction of the plasmids. Electroporated plant protoplasts reform the cell wall, divide, and form plant callüs.

All plants from which protoplasts can be isolated and cultured to give whole regenerated plants can be transformed by the present invention so that whole plants are recovered which contain the transferred gene. It is known that practically all plants can be regenerated from cultured cells or tissues, including but not limited to all major species of sugarcane, sugar beet, cotton, fruit and other trees, legumes and vegetables. Some suitable plants include, for example, species from the genera Fragaria, Lotus, Medicago, Onobrychis, Trifolium, Trigonella, Vigna, Citrus, Linum, Geranium, Manihot, Daucus, Arabidopsis, Brassica, Raphanus, Sinapis, Atropa, Capsicum, Datura, Hyoscyamus, Lycopersion, Nicotiana, Solanum, Petunia, Digitalis, Majorana, Cichorium, Helianthus, Lactuca, Bromus, Asparagus, Antirrhinum, Hererocallis, Nemesia, Pelargonium, Panicum, Pennisetum,

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Ranunculus, Senecio, Salpiglossis, Cucumis, Browaalia, Glycine, Lolium, Zea, Triticum, Sorghum, and Datura.

Means for regeneration vary from species to species of plants, but generally a suspension of transformed protoplasts containing copies of the heterologous gene is first provided. Callus tissue is formed and shoots may be induced from callus and subsequently rooted. Alternatively, embryo formation can be induced from the protoplast suspension. These embryos germinate as natural embryos to form plants. The culture media will generally contain various amino acids and hormones, such as auxin and cytokinins. It is also advantageous to add glutamic acid and proline to the medium, especially for such species as corn and alfalfa. Shoots and roots normally develop simultaneously. Efficient regeneration will depend on the medium, on the genotype, and on the history of the culture. If these three variables are controlled, then regeneration is fully reproducible and repeatable.

In some plant cell culture systems, the desired protein of the invention may be excreted or alternatively, the protein may be extracted from the whole plant. Where the desired protein of the invention is secreted into the medium, it may be collected. Alternatively, the embryos and embryoless-half seeds or other plant tissue may be mechanically disrupted to release any secreted protein between cells and tissues. The mixture may be suspended in a buffer solution to retrieve soluble proteins. Conventional protein isolation and purification methods will be then used to purify the recombinant protein. Parameters of time, temperature pH, oxygen, and volumes will be adjusted through routine methods to optimize expression and recovery of heterologous protein.

Baculovirus Systems iii.

The polynucleotide encoding the protein can also be inserted into a suitable insect expression vector, and is operably linked to the control elements within that vector. Vector construction employs techniques which are known in the art. Generally, the components of the expression system include a transfer vector, usually a bacterial plasmid, which contains both a fragment of the baculovirus genome, and a convenient restriction site for insertion of the heterologous gene or genes to be expressed; a wild type baculovirus with a sequence homologous to the baculovirus-specific fragment in the transfer vector (this allows for the

homologous recombination of the heterologous gene in to the baculovirus genome); and appropriate insect host cells and growth media.

After inserting the DNA sequence encoding the protein into the transfer vector, the vector and the wild type viral genome are transfected into an insect host cell where the vector and viral genome are allowed to recombine. The packaged recombinant virus is expressed and recombinant plaques are identified and purified. Materials and methods for baculovirus/insect cell expression systems are commercially available in kit form from, inter alia, Invitrogen, San Diego CA ("MaxBac" kit). These techniques are generally known to those skilled in the art and fully described in Summers and Smith, Texas Agricultural Experiment Station Bulletin No. 1555 (1987) (hereinafter "Summers and Smith").

Prior to inserting the DNA sequence encoding the protein into the baculovirus genome, the above described components, comprising a promoter, leader (if desired), coding sequence of interest, and transcription termination sequence, are usually assembled into an intermediate transplacement construct (transfer vector). This construct may contain a single gene and operably linked regulatory elements; multiple genes, each with its owned set of operably linked regulatory elements; or multiple genes, regulated by the same set of regulatory elements. Intermediate transplacement constructs are often maintained in a replicon, such as an extrachromosomal element (e.g., plasmids) capable of stable maintenance in a host, such as a bacterium. The replicon will have a replication system, thus allowing it to be maintained in a suitable host for cloning and amplification.

Currently, the most commonly used transfer vector for introducing foreign genes into AcNPV is pAc373. Many other vectors, known to those of skill in the art, have also been designed. These include, for example, pVL985 (which alters the polyhedrin start codon from ATG to ATT, and which introduces a BamHI cloning site 32 basepairs downstream from the ATT; see Luckow and Summers, Virology (1989) 17:31.

The plasmid usually also contains the polyhedrin polyadenylation signal (Miller et al. (1988) Ann. Rev. Microbiol., 42:177) and a prokaryotic ampicillin-resistance (amp) gene and origin of replication for selection and propagation in E. coli.

Baculovirus transfer vectors usually contain a baculovirus promoter. A baculovirus promoter is any DNA sequence capable of binding a baculovirus RNA polymerase and initiating the downstream (5' to 3') transcription of a coding sequence (e.g., structural gene) into mRNA. A promoter will have a transcription initiation region which is usually placed proximal to the 5' end of the coding sequence. This transcription initiation region usually includes an RNA polymerase binding site and a transcription initiation site. A baculovirus transfer vector may also have a second domain called an enhancer, which, if present, is usually distal to the structural gene. Expression may be either regulated or constitutive.

Structural genes, abundantly transcribed at late times in a viral infection cycle, provide particularly useful promoter sequences. Examples include sequences derived from the gene encoding the viral polyhedron protein, Friesen et al., (1986) "The Regulation of Baculovirus Gene Expression," in: *The Molecular Biology of Baculoviruses* (ed. Walter Doerfler); EPO Publ. Nos. 127 839 and 155 476; and the gene encoding the p10 protein, Vlak et al., (1988), *J. Gen. Virol.* 69:765.

DNA encoding suitable signal sequences can be derived from genes for secreted insect or baculovirus proteins, such as the baculovirus polyhedrin gene (Carbonell et al. (1988) *Gene*, 73:409). Alternatively, since the signals for mammalian cell posttranslational modifications (such as signal peptide cleavage, proteolytic cleavage, and phosphorylation) appear to be recognized by insect cells, and the signals required for secretion and nuclear accumulation also appear to be conserved between the invertebrate cells and vertebrate cells, leaders of non-insect origin, such as those derived from genes encoding human (alpha) α-interferon, Maeda et al., (1985), *Nature 315*:592; human gastrin-releasing peptide, Lebacq-Verheyden et al., (1988), *Molec. Cell. Biol. 8*:3129; human IL-2, Smith et al., (1985) *Proc. Nat'l Acad. Sci. USA*, 82:8404; mouse IL-3, (Miyajima et al., (1987) *Gene 58*:273; and human glucocerebrosidase, Martin et al. (1988) *DNA*, 7:99, can also be used to provide for secretion in insects.

A recombinant polypeptide or polyprotein may be expressed intracellularly or, if it is expressed with the proper regulatory sequences, it can be secreted. Good intracellular expression of nonfused foreign proteins usually requires heterologous genes that ideally have a short leader sequence containing suitable translation initiation signals preceding an ATG start signal. If desired, methionine at the N-terminus may be cleaved from the mature protein by *in vitro* incubation with cyanogen bromide.

Alternatively, recombinant polyproteins or proteins which are not naturally secreted can be secreted from the insect cell by creating chimeric DNA molecules that encode a fusion

protein comprised of a leader sequence fragment that provides for secretion of the foreign protein in insects. The leader sequence fragment usually encodes a signal peptide comprised of hydrophobic amino acids which direct the translocation of the protein into the endoplasmic reticulum.

After insertion of the DNA sequence and/or the gene encoding the expression product precursor of the protein, an insect cell host is co-transformed with the heterologous DNA of the transfer vector and the genomic DNA of wild type baculovirus -- usually by cotransfection. The promoter and transcription termination sequence of the construct will usually comprise a 2-5kb section of the baculovirus genome. Methods for introducing heterologous DNA into the desired site in the baculovirus virus are known in the art. (See Summers and Smith supra; Ju et al. (1987); Smith et al., Mol. Cell. Biol. (1983) 3:2156; and Luckow and Summers (1989)). For example, the insertion can be into a gene such as the polyhedrin gene, by homologous double crossover recombination; insertion can also be into a restriction enzyme site engineered into the desired baculovirus gene. Miller et al., (1989), Bioessays 4:91. The DNA sequence, when cloned in place of the polyhedrin gene in the expression vector, is flanked both 5' and 3' by polyhedrin-specific sequences and is positioned downstream of the polyhedrin promoter.

The newly formed baculovirus expression vector is subsequently packaged into an infectious recombinant baculovirus. Homologous recombination occurs at low frequency (between about 1% and about 5%); thus, the majority of the virus produced after cotransfection is still wild-type virus. Therefore, a method is necessary to identify recombinant viruses. An advantage of the expression system is a visual screen allowing recombinant viruses to be distinguished. The polyhedrin protein, which is produced by the native virus, is produced at very high levels in the nuclei of infected cells at late times after viral infection. Accumulated polyhedrin protein forms occlusion bodies that also contain embedded particles. These occlusion bodies, up to 15 µm in size, are highly refractile, giving them a bright shiny appearance that is readily visualized under the light microscope. Cells infected with recombinant viruses lack occlusion bodies. To distinguish recombinant virus from wild-type virus, the transfection supernatant is plaqued onto a monolayer of insect cells by techniques known to those skilled in the art. Namely, the plaques are screened under the light microscope for the presence (indicative of wild-type virus) or absence (indicative of

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recombinant virus) of occlusion bodies. Current Protocols in Microbiology Vol. 2 (Ausubel et al. eds) at 16.8 (Supp. 10, 1990); Summers and Smith, *supra*; Miller et al. (1989).

Recombinant baculovirus expression vectors have been developed for infection into several insect cells. For example, recombinant baculoviruses have been developed for, inter alia: Aedes aegypti, Autographa californica, Bombyx mori, Drosophila melanogaster. Spodoptera frugiperda, and Trichoplusia ni (PCT Pub. No. WO 89/046699; Carbonell et al., (1985) J. Virol. 56:153; Wright (1986) Nature 321:718; Smith et al., (1983) Mol. Cell. Biol. 3:2156; and see generally, Fraser, et al. (1989) In Vitro Cell. Dev. Biol. 25:225).

Cells and cell culture media are commercially available for both direct and fusion expression of heterologous polypeptides in a baculovirus/expression system; cell culture technology is generally known to those skilled in the art. See, e.g., Summers and Smith supra.

The modified insect cells may then be grown in an appropriate nutrient medium, which allows for stable maintenance of the plasmid(s) present in the modified insect host. Where the expression product gene is under inducible control, the host may be grown to high density, and expression induced. Alternatively, where expression is constitutive, the product will be continuously expressed into the medium and the nutrient medium must be continuously circulated, while removing the product of interest and augmenting depleted nutrients. The product may be purified by such techniques as chromatography, e.g., HPLC, affinity chromatography, ion exchange chromatography, etc.; electrophoresis; density gradient centrifugation; solvent extraction, or the like. As appropriate, the product may be further purified, as required, so as to remove substantially any insect proteins which are also secreted in the medium or result from lysis of insect cells, so as to provide a product which is at least substantially free of host debris, e.g., proteins, lipids and polysaccharides.

In order to obtain protein expression, recombinant host cells derived from the transformants are incubated under conditions which allow expression of the recombinant protein encoding sequence. These conditions will vary, dependent upon the host cell selected. However, the conditions are readily ascertainable to those of ordinary skill in the art, based upon what is known in the art.

iv. Bacterial Systems

Bacterial expression techniques are known in the art. A bacterial promoter is any DNA sequence capable of binding bacterial RNA polymerase and initiating the downstream (3') transcription of a coding sequence (e.g. structural gene) into mRNA. A promoter will have a transcription initiation region which is usually placed proximal to the 5' end of the coding sequence. This transcription initiation region usually includes an RNA polymerase binding site and a transcription initiation site. A bacterial promoter may also have a second domain called an operator, that may overlap an adjacent RNA polymerase binding site at which RNA synthesis begins. The operator permits negative regulated (inducible) transcription, as a gene repressor protein may bind the operator and thereby inhibit transcription of a specific gene. Constitutive expression may occur in the absence of negative regulatory elements, such as the operator. In addition, positive regulation may be achieved by a gene activator protein binding sequence, which, if present is usually proximal (5') to the RNA polymerase binding sequence. An example of a gene activator protein is the catabolite activator protein (CAP), which helps initiate transcription of the lac operon in Escherichia coli (E. coli) (Raibaud et al. (1984) Annu. Rev. Genet. 18:173). Regulated expression may therefore be either positive or negative, thereby either enhancing or reducing transcription.

Sequences encoding metabolic pathway enzymes provide particularly useful promoter sequences. Examples include promoter sequences derived from sugar metabolizing enzymes, such as galactose, lactose (lac) (Chang et al. (1977) Nature 198:1056), and maltose.

Additional examples include promoter sequences derived from biosynthetic enzymes such as tryptophan (trp) (Goeddel et al. (1980) Nuc. Acids Res. 8:4057; Yelverton et al. (1981) Nucl. Acids Res. 9:731; U.S. Patent 4,738,921; EPO Publ. Nos. 036 776 and 121 775). The betalactamase (bla) promoter system (Weissmann (1981) "The cloning of interferon and other mistakes." In Interferon 3 (ed. I. Gresser)), bacteriophage lambda PL (Shimatake et al. (1981) Nature 292:128) and T5 (U.S. Patent 4,689,406) promoter systems also provide useful promoter sequences.

In addition, synthetic promoters which do not occur in nature also function as bacterial promoters. For example, transcription activation sequences of one bacterial or bacteriophage promoter may be joined with the operon sequences of another bacterial or bacteriophage promoter, creating a synthetic hybrid promoter (U.S. Patent 4,551,433). For

example, the tac promoter is a hybrid trp-lac promoter comprised of both trp promoter and lac operon sequences that is regulated by the lac repressor (Amann et al. (1983) Gene 25:167; de Boer et al. (1983) Proc. Natl. Acad. Sci. 80:21). Furthermore, a bacterial promoter can include naturally occurring promoters of non-bacterial origin that have the ability to bind bacterial RNA polymerase and initiate transcription. A naturally occurring promoter of non-bacterial origin can also be coupled with a compatible RNA polymerase to produce high levels of expression of some genes in prokaryotes. The bacteriophage T7 RNA polymerase/promoter system is an example of a coupled promoter system (Studier et al. (1986) J. Mol. Biol. 189:113; Tabor et al. (1985) Proc Natl. Acad. Sci. 82:1074). In addition, a hybrid promoter can also be comprised of a bacteriophage promoter and an E. coli operator region (EPO Publ. No. 267 851).

In addition to a functioning promoter sequence, an efficient ribosome binding site is also useful for the expression of foreign genes in prokaryotes. In *E. coli*, the ribosome binding site is called the Shine-Dalgarno (SD) sequence and includes an initiation codon (ATG) and a sequence 3-9 nucleotides in length located 3-11 nucleotides upstream of the initiation codon (Shine *et al.* (1975) *Nature 254*:34). The SD sequence is thought to promote binding of mRNA to the ribosome by the pairing of bases between the SD sequence and the 3' end of *E. coli* 16S rRNA (Steitz *et al.* (1979) "Genetic signals and nucleotide sequences in messenger RNA." In *Biological Regulation and Development: Gene Expression* (ed. R.F. Goldberger)). To express eukaryotic genes and prokaryotic genes with weak ribosome-binding site, it is often necessary to optimize the distance between the SD sequence and the ATG of the eukaryotic gene (Sambrook *et al.* (1989) "Expression of cloned genes in Escherichia coli." In *Molecular Cloning: A Laboratory Manual*).

A DNA molecule may be expressed intracellularly. A promoter sequence may be directly linked with the DNA molecule, in which case the first amino acid at the N-terminus will always be a methionine, which is encoded by the ATG start codon. If desired, methionine at the N-terminus may be cleaved from the protein by *in vitro* incubation with cyanogen bromide or by either *in vivo* or *in vitro* incubation with a bacterial methionine N-terminal peptidase (EPO Publ. No. 219 237).

Fusion proteins provide an alternative to direct expression. Usually, a DNA sequence encoding the N-terminal portion of an endogenous bacterial protein, or other stable protein, is

fused to the 5' end of heterologous coding sequences. Upon expression, this construct will provide a fusion of the two amino acid sequences. For example, the bacteriophage lambda cell gene can be linked at the 5' terminus of a foreign gene and expressed in bacteria. The resulting fusion protein preferably retains a site for a processing enzyme (factor Xa) to cleave the bacteriophage protein from the foreign gene (Nagai et al. (1984) Nature 309:810). Fusion proteins can also be made with sequences from the lacZ (Jia et al. (1987) Gene 60:197), trpE (Allen et al. (1987) J. Biotechnol. 5:93; Makoff et al. (1989) J. Gen. Microbiol. 135:11), and Chey (EPO Publ. No. 324 647) genes. The DNA sequence at the junction of the two amino acid sequences may or may not encode a cleavable site. Another example is a ubiquitin fusion protein. Such a fusion protein is made with the ubiquitin region that preferably retains a site for a processing enzyme (e.g. ubiquitin specific processing-protease) to cleave the ubiquitin from the foreign protein. Through this method, native foreign protein can be isolated (Miller et al. (1989) Bio/Technology 7:698).

Alternatively, foreign proteins can also be secreted from the cell by creating chimeric DNA molecules that encode a fusion protein comprised of a signal peptide sequence fragment that provides for secretion of the foreign protein in bacteria (U.S. Patent 4,336,336). The signal sequence fragment usually encodes a signal peptide comprised of hydrophobic amino acids which direct the secretion of the protein from the cell. The protein is either secreted into the growth media (gram-positive bacteria) or into the periplasmic space, located between the inner and outer membrane of the cell (gram-negative bacteria). Preferably there are processing sites, which can be cleaved either *in vivo* or *in vitro* encoded between the signal peptide fragment and the foreign gene.

DNA encoding suitable signal sequences can be derived from genes for secreted bacterial proteins, such as the *E. coli* outer membrane protein gene (ompA) (Masui et al. (1983), in: Experimental Manipulation of Gene Expression; Ghrayeb et al. (1984) EMBO J. 3:2437) and the *E. coli* alkaline phosphatase signal sequence (phoA) (Oka et al. (1985) Proc. Natl. Acad. Sci. 82:7212). As an additional example, the signal sequence of the alphaamylase gene from various Bacillus strains can be used to secrete heterologous proteins from B. subtilis (Palva et al. (1982) Proc. Natl. Acad. Sci. USA 79:5582; EPO Publ. No. 244 042).

Usually, transcription termination sequences recognized by bacteria are regulatory regions located 3' to the translation stop codon, and thus together with the promoter flank the

coding sequence. These sequences direct the transcription of an mRNA which can be translated into the polypeptide encoded by the DNA. Transcription termination sequences frequently include DNA sequences of about 50 nucleotides capable of forming stem loop structures that aid in terminating transcription. Examples include transcription termination sequences derived from genes with strong promoters, such as the *trp* gene in *E. coli* as well as other biosynthetic genes.

Usually, the above described components, comprising a promoter, signal sequence (if desired), coding sequence of interest, and transcription termination sequence, are put together into expression constructs. Expression constructs are often maintained in a replicon, such as an extrachromosomal element (e.g., plasmids) capable of stable maintenance in a host, such as bacteria. The replicon will have a replication system, thus allowing it to be maintained in a prokaryotic host either for expression or for cloning and amplification. In addition, a replicon may be either a high or low copy number plasmid. A high copy number plasmid will generally have a copy number ranging from about 5 to about 200, and usually about 10 to about 150. A host containing a high copy number plasmid will preferably contain at least about 10, and more preferably at least about 20 plasmids. Either a high or low copy number vector may be selected, depending upon the effect of the vector and the foreign protein on the host.

Alternatively, the expression constructs can be integrated into the bacterial genome with an integrating vector. Integrating vectors usually contain at least one sequence homologous to the bacterial chromosome that allows the vector to integrate. Integrations appear to result from recombinations between homologous DNA in the vector and the bacterial chromosome. For example, integrating vectors constructed with DNA from various Bacillus strains integrate into the Bacillus chromosome (EPO Publ. No. 127 328). Integrating vectors may also be comprised of bacteriophage or transposon sequences.

Usually, extrachromosomal and integrating expression constructs may contain selectable markers to allow for the selection of bacterial strains that have been transformed. Selectable markers can be expressed in the bacterial host and may include genes which render bacteria resistant to drugs such as ampicillin, chloramphenicol, erythromycin, kanamycin (neomycin), and tetracycline (Davies et al. (1978) Annu. Rev. Microbiol. 32:469). Selectable

markers may also include biosynthetic genes, such as those in the histidine, tryptophan, and leucine biosynthetic pathways.

Alternatively, some of the above described components can be put together in transformation vectors. Transformation vectors are usually comprised of a selectable market that is either maintained in a replicon or developed into an integrating vector, as described above.

Expression and transformation vectors, either extra-chromosomal replicons or integrating vectors, have been developed for transformation into many bacteria. For example, expression vectors have been developed for, inter alia, the following bacteria: Bacillus subtilis (Palva et al. (1982) Proc. Natl. Acad. Sci. USA 79:5582; EPO Publ. Nos. 036 259 and 063 953; PCT Publ. No. WO 84/04541), Escherichia coli (Shimatake et al. (1981) Nature 292:128; Amann et al. (1985) Gene 40:183; Studier et al. (1986) J. Mol. Biol. 189:113; EPO Publ. Nos. 036 776, 136 829 and 136 907), Streptococcus cremoris (Powell et al. (1988) Appl. Environ. Microbiol. 54:655); Streptococcus lividans (Powell et al. (1988) Appl. Environ. Microbiol. 54:655), Streptomyces lividans (U.S. Patent 4,745,056).

Methods of introducing exogenous DNA into bacterial hosts are well-known in the art, and usually include either the transformation of bacteria treated with CaCl₂ or other agents, such as divalent cations and DMSO. DNA can also be introduced into bacterial cells by electroporation. Transformation procedures usually vary with the bacterial species to be transformed. (See e.g., use of Bacillus: Masson et al. (1989) FEMS Microbiol. Lett. 60:273; Palva et al. (1982) Proc. Natl. Acad. Sci. USA 79:5582; EPO Publ. Nos. 036 259 and 063 953; PCT Publ. No. WO 84/04541; use of Campylobacter: Miller et al. (1988) Proc. Natl. Acad. Sci. 85:856; and Wang et al. (1990) J. Bacteriol. 172:949; use of Escherichia coli: Cohen et al. (1973) Proc. Natl. Acad. Sci. 69:2110; Dower et al. (1988) Nucleic Acids Res. 16:6127; Kushner (1978) "An improved method for transformation of Escherichia coli with ColE1-derived plasmids. In Genetic Engineering: Proceedings of the International Symposium on Genetic Engineering (eds. H.W. Boyer and S. Nicosia); Mandel et al. (1970) J. Mol. Biol. 53:159; Taketo (1988) Biochim. Biophys. Acta 949:318; use of Lactobacillus: Chassy et al. (1987) FEMS Microbiol. Lett. 44:173; use of Pseudomonas: Fiedler et al. (1988) Anal. Biochem 170:38; use of Staphylococcus: Augustin et al. (1990) FEMS Microbiol. Lett. 66:203; use of Streptococcus: Barany et al. (1980) J. Bacteriol. 144:698;

Harlander (1987) "Transformation of Streptococcus lactis by electroporation, in: Streptococcal Genetics (ed. J. Ferretti and R. Curtiss III); Perry et al. (1981) Infect. Immun. 32:1295; Powell et al. (1988) Appl. Environ. Microbiol. 54:655; Somkuti et al. (1987) Proc. 4th Evr. Cong. Biotechnology 1:412.

v. Yeast Expression

Yeast expression systems are also known to one of ordinary skill in the art. A yeast promoter is any DNA sequence capable of binding yeast RNA polymerase and initiating the downstream (3') transcription of a coding sequence (e.g. structural gene) into mRNA. A promoter will have a transcription initiation region which is usually placed proximal to the 5' end of the coding sequence. This transcription initiation region usually includes an RNA polymerase binding site (the "TATA Box") and a transcription initiation site. A yeast promoter may also have a second domain called an upstream activator sequence (UAS), which, if present, is usually distal to the structural gene. The UAS permits regulated (inducible) expression. Constitutive expression occurs in the absence of a UAS. Regulated expression may be either positive or negative, thereby either enhancing or reducing transcription.

Yeast is a fermenting organism with an active metabolic pathway, therefore sequences encoding enzymes in the metabolic pathway provide particularly useful promoter sequences. Examples include alcohol dehydrogenase (ADH) (EPO Publ. No. 284 044), enolase, glucokinase, glucose-6-phosphate isomerase, glyceraldehyde-3-phosphate-dehydrogenase (GAP or GAPDH), hexokinase, phosphofructokinase, 3-phosphoglycerate mutase, and pyruvate kinase (PyK) (EPO Publ. No. 329 203). The yeast *PHO5* gene, encoding acid phosphatase, also provides useful promoter sequences (Myanohara *et al.* (1983) *Proc. Natl. Acad. Sci. USA 80*:1).

In addition, synthetic promoters which do not occur in nature also function as yeast promoters. For example, UAS sequences of one yeast promoter may be joined with the transcription activation region of another yeast promoter, creating a synthetic hybrid promoter. Examples of such hybrid promoters include the ADH regulatory sequence linked to the GAP transcription activation region (U.S. Patent Nos. 4,876,197 and 4,880,734). Other examples of hybrid promoters include promoters which consist of the regulatory sequences of

either the ADH2, GAL4, GAL10, OR PHO5 genes, combined with the transcriptional activation region of a glycolytic enzyme gene such as GAP or PyK (EPO Publ. No. 164 556). Furthermore, a yeast promoter can include naturally occurring promoters of non-yeast origin that have the ability to bind yeast RNA polymerase and initiate transcription. Examples of such promoters include, inter alia, (Cohen et al. (1980) Proc. Natl. Acad. Sci. USA 77:1078; Henikoff et al. (1981) Nature 283:835; Hollenberg et al. (1981) Curr. Topics Microbiol. Immunol. 96:119; Hollenberg et al. (1979) "The Expression of Bacterial Antibiotic Resistance Genes in the Yeast Saccharomyces cerevisiae," in: Plasmids of Medical, Environmental and Commercial Importance (eds. K.N. Timmis and A. Puhler); Mercerau-Puigalon et al. (1980) Gene 11:163; Panthier et al. (1980) Curr. Genet. 2:109;).

A DNA molecule may be expressed intracellularly in yeast. A promoter sequence may be directly linked with the DNA molecule, in which case the first amino acid at the N-terminus of the recombinant protein will always be a methionine, which is encoded by the ATG start codon. If desired, methionine at the N-terminus may be cleaved from the protein by *in vitro* incubation with cyanogen bromide.

Fusion proteins provide an alternative for yeast expression systems, as well as in mammalian, plant, baculovirus, and bacterial expression systems. Usually, a DNA sequence encoding the N-terminal portion of an endogenous yeast protein, or other stable protein, is fused to the 5' end of heterologous coding sequences. Upon expression, this construct will provide a fusion of the two amino acid sequences. For example, the yeast or human superoxide dismutase (SOD) gene, can be linked at the 5' terminus of a foreign gene and expressed in yeast. The DNA sequence at the junction of the two amino acid sequences may or may not encode a cleavable site. See e.g., EPO Publ. No. 196056. Another example is a ubiquitin fusion protein. Such a fusion protein is made with the ubiquitin region that preferably retains a site for a processing enzyme (e.g. ubiquitin-specific processing protease) to cleave the ubiquitin from the foreign protein. Through this method, therefore, native foreign protein can be isolated (e.g., WO88/024066).

Alternatively, foreign proteins can also be secreted from the cell into the growth media by creating chimeric DNA molecules that encode a fusion protein comprised of a leader sequence fragment that provide for secretion in yeast of the foreign protein. Preferably, there are processing sites encoded between the leader fragment and the foreign gene that can

be cleaved either in vivo or in vitro. The leader sequence fragment usually encodes a signal peptide comprised of hydrophobic amino acids which direct the secretion of the protein from the cell.

DNA encoding suitable signal sequences can be derived from genes for secreted yeast proteins, such as the yeast invertase gene (EPO Publ. No. 012 873; JPO Publ. No. 62:096,086) and the A-factor gene (U.S. Patent 4,588,684). Alternatively, leaders of non-yeast origin, such as an interferon leader, exist that also provide for secretion in yeast (EPO Publ. No. 060 057).

A preferred class of secretion leaders are those that employ a fragment of the yeast alpha-factor gene, which contains both a "pre" signal sequence, and a "pro" region. The types of alpha-factor fragments that can be employed include the full-length pre-pro alpha factor leader (about 83 amino acid residues) as well as truncated alpha-factor leaders (usually about 25 to about 50 amino acid residues) (U.S. Patent Nos. 4,546,083 and 4,870,008; EPO Publ. No. 324 274). Additional leaders employing an alpha-factor leader fragment that provides for secretion include hybrid alpha-factor leaders made with a presequence of a first yeast, but a pro-region from a second yeast alpha factor. (See e.g., PCT Publ. No. WO 89/02463.)

Usually, transcription termination sequences recognized by yeast are regulatory regions located 3' to the translation stop codon, and thus together with the promoter flank the coding sequence. These sequences direct the transcription of an mRNA which can be translated into the polypeptide encoded by the DNA. Examples of transcription terminator sequence and other yeast-recognized termination sequences, such as those coding for glycolytic enzymes.

Usually, the above described components, comprising a promoter, leader (if desired), coding sequence of interest, and transcription termination sequence, are put together into expression constructs. Expression constructs are often maintained in a replicon, such as an extrachromosomal element (e.g., plasmids) capable of stable maintenance in a host, such as yeast or bacteria. The replicon may have two replication systems, thus allowing it to be maintained, for example, in yeast for expression and in a prokaryotic host for cloning and amplification. Examples of such yeast-bacteria shuttle vectors include YEp24 (Botstein et al. (1979) Gene 8:17-24), pCl/1 (Brake et al. (1984) Proc. Natl. Acad. Sci USA 81:4642-4646), and YRp17 (Stinchcomb et al. (1982) J. Mol. Biol. 158:157). In addition, a replicon may be

either a high or low copy number plasmid. A high copy number plasmid will generally have a copy number ranging from about 5 to about 200, and usually about 10 to about 150. A host containing a high copy number plasmid will preferably have at least about 10, and more preferably at least about 20. Enter a high or low copy number vector may be selected, depending upon the effect of the vector and the foreign protein on the host. See e.g., Brake et al., supra.

Alternatively, the expression constructs can be integrated into the yeast genome with an integrating vector. Integrating vectors usually contain at least one sequence homologous to a yeast chromosome that allows the vector to integrate, and preferably contain two homologous sequences flanking the expression construct. Integrations appear to result from recombinations between homologous DNA in the vector and the yeast chromosome (Orr-Weaver et al. (1983) Methods in Enzymol. 101:228-245). An integrating vector may be directed to a specific locus in yeast by selecting the appropriate homologous sequence for inclusion in the vector. See Orr-Weaver et al., supra. One or more expression construct may integrate, possibly affecting levels of recombinant protein produced (Rine et al. (1983) Proc. Natl. Acad. Sci. USA 80:6750). The chromosomal sequences included in the vector can occur either as a single segment in the vector, which results in the integration of the entire vector, or two segments homologous to adjacent segments in the chromosome and flanking the expression construct in the vector, which can result in the stable integration of only the expression construct.

Usually, extrachromosomal and integrating expression constructs may contain selectable markers to allow for the selection of yeast strains that have been transformed. Selectable markers may include biosynthetic genes that can be expressed in the yeast host, such as ADE2, HIS4, LEU2, TRP1, and ALG7, and the G418 resistance gene, which confer resistance in yeast cells to tunicamycin and G418, respectively. In addition, a suitable selectable marker may also provide yeast with the ability to grow in the presence of toxic compounds, such as metal. For example, the presence of CUP1 allows yeast to grow in the presence of copper ions (Butt et al. (1987) Microbiol, Rev. 51:351).

Alternatively, some of the above described components can be put together into transformation vectors. Transformation vectors are usually comprised of a selectable marker

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that is either maintained in a replicon or developed into an integrating vector, as described above.

Expression and transformation vectors, either extrachromosomal replicons or integrating vectors, have been developed for transformation into many yeasts. For example, expression vectors and methods of introducing exogenous DNA into yeast hosts have been developed for, inter alia, the following yeasts: Candida albicans (Kurtz, et al. (1986) Mol. Cell. Biol. 6:142); Candida maltosa (Kunze, et al. (1985) J. Basic Microbiol. 25:141); Hansenula polymorpha (Gleeson, et al. (1986) J. Gen. Microbiol. 132:3459; Roggenkamp et al. (1986) Mol. Gen. Genet. 202:302); Kluyveromyces fragilis (Das, et al. (1984) J. Bacteriol. 158:1165); Kluyveromyces lactis (De Louvencourt et al. (1983) J. Bacteriol. 154:737; Van den Berg et al. (1990) Bio/Technology 8:135); Pichia guillerimondii (Kunze et al. (1985) J. Basic Microbiol. 25:141); Pichia pastoris (Cregg, et al. (1985) Mol. Cell. Biol. 5:3376; U.S. Patent Nos. 4,837,148 and 4,929,555); Saccharomyces cerevisiae (Hinnen et al. (1978) Proc. Natl. Acad. Sci. USA 75:1929; Ito et al. (1983) J. Bacteriol. 153:163); Schizosaccharomyces pombe (Beach and Nurse (1981) Nature 300:706); and Yarrowia lipolytica (Davidow, et al. (1985) Curr. Genet. 10:380471 Gaillardin, et al. (1985) Curr. Genet. 10:49).

Methods of introducing exogenous DNA into yeast hosts are well-known in the art, and usually include either the transformation of spheroplasts or of intact yeast cells treated with alkali cations. Transformation procedures usually vary with the yeast species to be transformed. See e.g., [Kurtz et al. (1986) Mol. Cell. Biol. 6:142; Kunze et al. (1985) J. Basic Microbiol. 25:141; Candida]; [Gleeson et al. (1986) J. Gen. Microbiol. 132:3459; Roggenkamp et al. (1986) Mol. Gen. Genet. 202:302; Hansenula]; [Das et al. (1984) J. Bacteriol. 158:1165; De Louvencourt et al. (1983) J. Bacteriol. 154:1165; Van den Berg et al. (1990) Bio/Technology 8:135; Kluyveromyces]; [Cregg et al. (1985) Mol. Cell. Biol. 5:3376; Kunze et.al. (1985) J. Basic Microbiol. 25:141; U.S. Patent Nos. 4,837,148 and 4,929,555; Pichia]; [Hinnen et al. (1978) Proc. Natl. Acad. Sci. USA 75;1929; Ito et al. (1983) J. Bacteriol. 153:163 Saccharomyces]; [Beach and Nurse (1981) Nature 300:706; Schizosaccharomyces]; [Davidow et al. (1985) Curr. Genet. 10:39; Gaillardin et al. (1985) Curr. Genet. 10:49; Yarrowia].

Definitions

A composition containing X is "substantially free of" Y when at least 85% by weight of the total X+Y in the composition is X. Preferably, X comprises at least about 90% by weight of the total of X+Y in the composition, more preferably at least about 95% or even 99% by weight.

The term "heterologous" refers to two biological components that are not found together in nature. The components may be host cells, genes, or regulatory regions, such as promoters. Although the heterologous components are not found together in nature, they can function together, as when a promoter heterologous to a gene is operably linked to the gene. Another example is where a Neisserial sequence is heterologous to a mouse host cell.

An "origin of replication" is a polynucleotide sequence that initiates and regulates replication of polynucleotides, such as an expression vector. The origin of replication behaves as an autonomous unit of polynucleotide replication within a cell, capable of replication under its own control. An origin of replication may be needed for a vector to replicate in a particular host cell. With certain origins of replication, an expression vector can be reproduced at a high copy number in the presence of the appropriate proteins within the cell. Examples of origins are the autonomously replicating sequences, which are effective in yeast; and the viral T-antigen, effective in COS-7 cells.

A "mutant" sequence is defined as a DNA, RNA or amino acid sequence differing from but having homology with the native or disclosed sequence. Depending on the particular sequence, the degree of homology between the native or disclosed sequence and the mutant sequence is preferably greater than 50% (e.g., 60%, 70%, 80%, 90%, 95%, 99% or more) which is calculated as described above. As used herein, an "allelic variant" of a nucleic acid molecule, or region, for which nucleic acid sequence is provided herein is a nucleic acid molecule, or region, that occurs at essentially the same locus in the genome of another or second isolate, and that, due to natural variation caused by, for example, mutation or recombination, has a similar but not identical nucleic acid sequence. A coding region allelic variant typically encodes a protein having similar activity to that of the protein encoded by the gene to which it is being compared. An allelic variant can also comprise an alteration in the 5' or 3' untranslated regions of the gene, such as in regulatory control regions. (see, for example, U.S. Patent 5,753,235).

Antibodies

As used herein, the term "antibody" refers to a polypeptide or group of polypeptides composed of at least one antibody combining site. An "antibody combining site" is the three-dimensional binding space with an internal surface shape and charge distribution complementary to the features of an epitope of an antigen, which allows a binding of the antibody with the antigen. "Antibody" includes, for example, vertebrate antibodies, hybrid antibodies, chimeric antibodies, humanized antibodies, altered antibodies, univalent antibodies, Fab proteins, and single domain antibodies.

Antibodies against the proteins of the invention are useful for affinity chromatography, immunoassays, and distinguishing/identifying Neisseria MenB proteins. Antibodies elicited against the proteins of the present invention bind to antigenic polypeptides or proteins or protein fragments that are present and specifically associated with strains of Neisseria meningitidis MenB. In some instances, these antigens may be associated with specific strains, such as those antigens specific for the MenB strains. The antibodies of the invention may be immobilized to a matrix and utilized in an immunoassay or on an affinity chromatography column, to enable the detection and/or separation of polypeptides, proteins or protein fragments or cells comprising such polypeptides, proteins or protein fragments may be immobilized so as to detect antibodies bindably specific thereto.

Antibodies to the proteins of the invention, both polyclonal and monoclonal, may be prepared by conventional methods. In general, the protein is first used to immunize a suitable animal, preferably a mouse, rat, rabbit or goat. Rabbits and goats are preferred for the preparation of polyclonal sera due to the volume of serum obtainable, and the availability of labeled anti-rabbit and anti-goat antibodies. Immunization is generally performed by mixing or emulsifying the protein in saline, preferably in an adjuvant such as Freund's complete adjuvant, and injecting the mixture or emulsion parenterally (generally subcutaneously or intramuscularly). A dose of 50-200 µg/injection is typically sufficient. Immunization is generally boosted 2-6 weeks later with one or more injections of the protein in saline, preferably using Freund's incomplete adjuvant. One may alternatively generate antibodies by in vitro immunization using methods known in the art, which for the purposes of this

invention is considered equivalent to *in vivo* immunization. Polyclonal antisera is obtained by bleeding the immunized animal into a glass or plastic container, incubating the blood at 25°C for one hour, followed by incubating at 4°C for 2-18 hours. The serum is recovered by centrifugation (e.g., 1,000g for 10 minutes). About 20-50 ml per bleed may be obtained from rabbits.

Monoclonal antibodies are prepared using the standard method of Kohler & Milstein (Nature (1975) 256:495-96), or a modification thereof. Typically, a mouse or rat is immunized as described above. However, rather than bleeding the animal to extract serum, the spleen (and optionally several large lymph nodes) is removed and dissociated into single cells. If desired, the spleen cells may be screened (after removal of nonspecifically adherent cells) by applying a cell suspension to a plate or well coated with the protein antigen. B-cells that express membrane-bound immunoglobulin specific for the antigen bind to the plate, and are not rinsed away with the rest of the suspension. Resulting B-cells, or all dissociated spleen cells, are then induced to fuse with myeloma cells to form hybridomas, and are cultured in a selective medium (e.g., hypoxanthine, aminopterin, thymidine medium, "HAT"). The resulting hybridomas are plated by limiting dilution, and are assayed for the production of antibodies which bind specifically to the immunizing antigen (and which do not bind to unrelated antigens). The selected MAb-secreting hybridomas are then cultured either in vitro (e.g., in tissue culture bottles or hollow fiber reactors), or in vivo (as ascites in mice).

If desired, the antibodies (whether polyclonal or monoclonal) may be labeled using conventional techniques. Suitable labels include fluorophores, chromophores, radioactive atoms (particularly ³²P and ¹²⁵I), electron-dense reagents, enzymes, and ligands having specific binding partners. Enzymes are typically detected by their activity. For example, horseradish peroxidase is usually detected by its ability to convert 3,3',5,5'-tetramethylbenzidine (TMB) to a blue pigment, quantifiable with a spectrophotometer. "Specific binding partner" refers to a protein capable of binding a ligand molecule with high specificity, as for example in the case of an antigen and a monoclonal antibody specific therefor. Other specific binding partners include biotin and avidin or streptavidin, IgG and protein A, and the numerous receptor-ligand couples known in the art. It should be understood that the above description is not meant to categorize the various

labels into distinct classes, as the same label may serve in several different modes. For example, ¹²⁵I may serve as a radioactive label or as an electron-dense reagent. HRP may serve as enzyme or as antigen for a MAb. Further, one may combine various labels for desired effect. For example, MAbs and avidin also require labels in the practice of this invention: thus, one might label a MAb with biotin, and detect its presence with avidin labeled with ¹²⁵I, or with an anti-biotin MAb labeled with HRP. Other permutations and possibilities will be readily apparent to those of ordinary skill in the art, and are considered as equivalents within the scope of the instant invention.

Antigens, immunogens, polypeptides, proteins or protein fragments of the present invention elicit formation of specific binding partner antibodies. These antigens, immunogens, polypeptides, proteins or protein fragments of the present invention comprise immunogenic compositions of the present invention. Such immunogenic compositions may further comprise or include adjuvants, carriers, or other compositions that promote or enhance or stabilize the antigens, polypeptides, proteins or protein fragments of the present invention. Such adjuvants and carriers will be readily apparent to those of ordinary skill in the art.

Pharmaceutical Compositions

Pharmaceutical compositions can include either polypeptides, antibodies, or nucleic acid of the invention. The pharmaceutical compositions will comprise a therapeutically effective amount of either polypeptides, antibodies, or polynucleotides of the claimed invention.

The term "therapeutically effective amount" as used herein refers to an amount of a therapeutic agent to treat, ameliorate, or prevent a desired disease or condition, or to exhibit a detectable therapeutic or preventative effect. The effect can be detected by, for example, chemical markers or antigen levels. Therapeutic effects also include reduction in physical symptoms, such as decreased body temperature, when given to a patient that is febrile. The precise effective amount for a subject will depend upon the subject's size and health, the nature and extent of the condition, and the therapeutics or combination of therapeutics selected for administration. Thus, it is not useful to specify an exact effective amount in

advance. However, the effective amount for a given situation can be determined by routine experimentation and is within the judgment of the clinician.

For purposes of the present invention, an effective dose will be from about 0.01 mg/kg to 50 mg/kg or 0.05 mg/kg to about 10 mg/kg of the DNA constructs in the individual to which it is administered.

A pharmaceutical composition can also contain a pharmaceutically acceptable carrier. The term "pharmaceutically acceptable carrier" refers to a carrier for administration of a therapeutic agent, such as antibodies or a polypeptide, genes, and other therapeutic agents. The term refers to any pharmaceutical carrier that does not itself induce the production of antibodies harmful to the individual receiving the composition, and which may be administered without undue toxicity. Suitable carriers may be large, slowly metabolized macromolecules such as proteins, polysaccharides, polylactic acids, polyglycolic acids, polymeric amino acids, amino acid copolymers, and inactive virus particles. Such carriers are well known to those of ordinary skill in the art.

Pharmaceutically acceptable salts can be used therein, for example, mineral acid salts such as hydrochlorides, hydrobromides, phosphates, sulfates, and the like; and the salts of organic acids such as acetates, propionates, malonates, benzoates, and the like. A thorough discussion of pharmaceutically acceptable excipients is available in Remington's Pharmaceutical Sciences (Mack Pub. Co., N.J. 1991).

Pharmaceutically acceptable carriers in therapeutic compositions may contain liquids such as water, saline, glycerol and ethanol. Additionally, auxiliary substances, such as wetting or emulsifying agents, pH buffering substances, and the like, may be present in such vehicles. Typically, the therapeutic compositions are prepared as injectables, either as liquid solutions or suspensions; solid forms suitable for solution in, or suspension in, liquid vehicles prior to injection may also be prepared. Liposomes are included within the definition of a pharmaceutically acceptable carrier.

Delivery Methods

Once formulated, the compositions of the invention can be administered directly to the subject. The subjects to be treated can be animals; in particular, human subjects can be treated. Direct delivery of the compositions will generally be accomplished by injection, either subcutaneously, intraperitoneally, intravenously or intramuscularly or delivered to the interstitial space of a tissue. The compositions can also be administered into a lesion. Other modes of administration include oral and pulmonary administration, suppositories, and transdermal and transcutaneous applications, needles, and gene guns or hyposprays. Dosage treatment may be a single dose schedule or a multiple dose schedule.

Vaccines

Vaccines according to the invention may either be prophylactic (i.e., to prevent infection) or therapeutic (i.e., to treat disease after infection).

Such vaccines comprise immunizing antigen(s) or immunogen(s), immunogenic polypeptide, protein(s) or protein fragments, or nucleic acids (e.g., ribonucleic acid or deoxyribonucleic acid), usually in combination with "pharmaceutically acceptable carriers," which include any carrier that does not itself induce the production of antibodies harmful to the individual receiving the composition. Suitable carriers are typically large, slowly metabolized macromolecules such as proteins, polysaccharides, polylactic acids, polyglycolic acids, polymeric amino acids, amino acid copolymers, lipid aggregates (such as oil droplets or liposomes), and inactive virus particles. Such carriers are well known to those of ordinary skill in the art. Additionally, these carriers may function as immunostimulating agents ("adjuvants"). Furthermore, the immunogen or antigen may be conjugated to a bacterial toxoid, such as a toxoid from diphtheria, tetanus, cholera, *H. pylori*, etc. pathogens.

Preferred adjuvants to enhance effectiveness of the composition include, but are not limited to: (1) aluminum salts (alum), such as aluminum hydroxide, aluminum phosphate, aluminum sulfate, etc; (2) oil-in-water emulsion formulations (with or without other specific immunostimulating agents such as muramyl peptides (see below) or bacterial cell wall components), such as for example (a) MF59 (PCT Publ. No. WO 90/14837), containing 5% Squalene, 0.5% Tween 80, and 0.5% Span 85 (optionally containing various amounts of MTP-PE (see below), although not required) formulated into submicron particles using a microfluidizer such as Model 110Y microfluidizer (Microfluidics, Newton, MA), (b) SAF, containing 10% Squalane, 0.4% Tween 80, 5% pluronic-blocked polymer L121, and thr-MDP (see below) either microfluidized into a submicron emulsion or vortexed to generate a

larger particle size emulsion, and (c) RibiTM adjuvant system (RAS), (Ribi Immunochem, Hamilton, MT) containing 2% Squalene, 0.2% Tween 80, and one or more bacterial cell wall components from the group consisting of monophosphorylipid A (MPL), trehalose dimycolate (TDM), and cell wall skeleton (CWS), preferably MPL + CWS (DetoxTM); (3) saponin adjuvants, such as StimulonTM (Cambridge Bioscience, Worcester, MA) may be used or particles generated therefrom such as ISCOMs (immunostimulating complexes); (4) Complete Freund's Adjuvant (CFA) and Incomplete Freund's Adjuvant (IFA); (5) cytokines, such as interleukins (e.g., IL-1, IL-2, IL-4, IL-5, IL-6, IL-7, IL-12, etc.), interferons (e.g., gamma interferon), macrophage colony stimulating factor (M-CSF), tumor necrosis factor (TNF), etc; (6) detoxified mutants of a bacterial ADP-ribosylating toxin such as a cholera toxin (CT), a pertussis toxin (PT), or an E. coli heat-labile toxin (LT), particularly LT-K63, LT-R72, CT-S109, PT-K9/G129; see, e.g., WO 93/13302 and WO 92/19265; and (7) other substances that act as immunostimulating agents to enhance the effectiveness of the composition. Alum and MF59 are preferred.

As mentioned above, muramyl peptides include, but are not limited to, N-acetyl-muramyl-L-threonyl-D-isoglutamine (thr-MDP), N-acetyl-normuramyl-L-alanyl-D-isoglutamine (nor-MDP), N-acetylmuramyl-L-alanyl-D-isoglutaminyl-L-alanine-2-(1'-2'-dipalmitoyl-sn-glycero-3-huydroxyphosphoryloxy)-ethylamine (MTP-PE), etc.

The vaccine compositions comprising immunogenic compositions (e.g., which may include the antigen, pharmaceutically acceptable carrier, and adjuvant) typically will contain diluents, such as water, saline, glycerol, ethanol, etc. Additionally, auxiliary substances, such as wetting or emulsifying agents, pH buffering substances, and the like, may be present in such vehicles. Alternatively, vaccine compositions comprising immunogenic compositions may comprise an antigen, polypeptide, protein, protein fragment or nucleic acid in a pharmaceutically acceptable carrier.

More specifically, vaccines comprising immunogenic compositions comprise an immunologically effective amount of the immunogenic polypeptides, as well as any other of the above-mentioned components, as needed. By "immunologically effective amount", it is meant that the administration of that amount to an individual, either in a single dose or as part of a series, is effective for treatment or prevention. This amount varies depending upon the health and physical condition of the individual to be treated, the taxonomic group of

individual to be treated (e.g., nonhuman primate, primate, etc.), the capacity of the individual's immune system to synthesize antibodies, the degree of protection desired, the formulation of the vaccine, the treating doctor's assessment of the medical situation, and other relevant factors. It is expected that the amount will fall in a relatively broad range that can be determined through routine trials.

Typically, the vaccine compositions or immunogenic compositions are prepared as injectables, either as liquid solutions or suspensions; solid forms suitable for solution in, or suspension in, liquid vehicles prior to injection may also be prepared. The preparation also may be emulsified or encapsulated in liposomes for enhanced adjuvant effect, as discussed above under pharmaceutically acceptable carriers.

The immunogenic compositions are conventionally administered parenterally, e.g., by injection, either subcutaneously or intramuscularly. Additional formulations suitable for other modes of administration include oral and pulmonary formulations, suppositories, and transdermal and transcutaneous applications. Dosage treatment may be a single dose schedule or a multiple dose schedule. The vaccine may be administered in conjunction with other immunoregulatory agents.

As an alternative to protein-based vaccines, DNA vaccination may be employed (e.g., Robinson & Torres (1997) Seminars in Immunology 9:271-283; Donnelly et al. (1997) Annu Rev Immunol 15:617-648).

Gene Delivery Vehicles

Gene therapy vehicles for delivery of constructs, including a coding sequence of a therapeutic of the invention, to be delivered to the mammal for expression in the mammal, can be administered either locally or systemically. These constructs can utilize viral or non-viral vector approaches in *in vivo* or *ex vivo* modality. Expression of such coding sequence can be induced using endogenous mammalian or heterologous promoters. Expression of the coding sequence in vivo can be either constitutive or regulated.

The invention includes gene delivery vehicles capable of expressing the contemplated nucleic acid sequences. The gene delivery vehicle is preferably a viral vector and, more preferably, a retroviral, adenoviral, adeno-associated viral (AAV), herpes viral, or alphavirus vector. The viral vector can also be an astrovirus, coronavirus, orthomyxovirus, papovavirus,

paramyxovirus, parvovirus, picomavirus, poxvirus, or togavirus viral vector. See generally, Jolly (1994) Cancer Gene Therapy 1:51-64; Kimura (1994) Human Gene Therapy 5:845-852; Connelly (1995) Human Gene Therapy 6:185-193; and Kaplitt (1994) Nature Genetics 6:148-153.

Retroviral vectors are well known in the art, including B, C and D type retroviruses, xenotropic retroviruses (for example, NZB-X1, NZB-X2 and NZB9-1 (see O'Neill (1985) J. Virol. 53:160) polytropic retroviruses e.g., MCF and MCF-MLV (see Kelly (1983) J. Virol. 45:291), spumaviruses and lentiviruses. See RNA Tumor Viruses, Second Edition, Cold Spring Harbor Laboratory, 1985.

Portions of the retroviral gene therapy vector may be derived from different retroviruses. For example, retrovector LTRs may be derived from a Murine Sarcoma Virus, a tRNA binding site from a Rous Sarcoma Virus, a packaging signal from a Murine Leukemia Virus, and an origin of second strand synthesis from an Avian Leukosis Virus.

These recombinant retroviral vectors may be used to generate transduction competent retroviral vector particles by introducing them into appropriate packaging cell lines (see US patent 5,591,624). Retrovirus vectors can be constructed for site-specific integration into host cell DNA by incorporation of a chimeric integrase enzyme into the retroviral particle (see WO96/37626). It is preferable that the recombinant viral vector is a replication defective recombinant virus.

Packaging cell lines suitable for use with the above-described retrovirus vectors are well known in the art, are readily prepared (see WO95/30763 and WO92/05266), and can be used to create producer cell lines (also termed vector cell lines or "VCLs") for the production of recombinant vector particles. Preferably, the packaging cell lines are made from human parent cells (e.g., HT1080 cells) or mink parent cell lines, which eliminates inactivation in human serum.

Preferred retroviruses for the construction of retroviral gene therapy vectors include Avian Leukosis Virus, Bovine Leukemia, Virus, Murine Leukemia Virus, Mink-Cell Focus-Inducing Virus, Murine Sarcoma Virus, Reticuloendotheliosis Virus and Rous Sarcoma Virus. Particularly preferred Murine Leukemia Viruses include 4070A and 1504A (Hartley and Rowe (1976) *J Virol* 19:19-25), Abelson (ATCC No. VR-999), Friend (ATCC No. VR-245), Graffi, Gross (ATCC Nol VR-590), Kirsten, Harvey Sarcoma Virus and

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Rauscher (ATCC No. VR-998) and Moloney Murine Leukemia Virus (ATCC No. VR-190). Such retroviruses may be obtained from depositories or collections such as the American Type Culture Collection ("ATCC") in Rockville, Maryland or isolated from known sources using commonly available techniques.

Exemplary known retroviral gene therapy vectors employable in this invention include those described in patent applications GB2200651, EP0415731, EP0345242, EP0334301, WO89/02468; WO89/05349, WO89/09271, WO90/02806, WO90/07936, WO94/03622, WO93/25698, WO93/25234, WO93/11230, WO93/10218, WO91/02805, WO91/02825, WO95/07994, US 5,219,740, US 4,405,712, US 4,861,719, US 4,980,289, US 4,777,127, US 5,591,624. See also Vile (1993) Cancer Res 53:3860-3864; Vile (1993) Cancer Res 53:962-967; Ram (1993) Cancer Res 53 (1993) 83-88; Takamiya (1992) J Neurosci Res 33:493-503; Baba (1993) J Neurosurg 79:729-735; Mann (1983) Cell 33:153; Cane (1984) Proc Natl Acad Sci 81:6349; and Miller (1990) Human Gene Therapy 1.

Human adenoviral gene therapy vectors are also known in the art and employable in this invention. See, for example, Berkner (1988) Biotechniques 6:616 and Rosenfeld (1991) Science 252:431, and WO93/07283, WO93/06223, and WO93/07282. Exemplary known adenoviral gene therapy vectors employable in this invention include those described in the above referenced documents and in WO94/12649, WO93/03769, WO93/19191, WO94/28938, WO95/11984, WO95/00655, WO95/27071, WO95/29993, WO95/34671, WO96/05320, WO94/08026, WO94/11506, WO93/06223, WO94/24299, WO95/14102, WO95/24297, WO95/02697, WO94/28152, WO94/24299, WO95/09241, WO95/25807, WO95/05835, WO94/18922 and WO95/09654. Alternatively, administration of DNA linked to killed adenovirus as described in Curiel (1992) Hum. Gene Ther. 3:147-154 may be employed. The gene delivery vehicles of the invention also include adenovirus associated virus (AAV) vectors. Leading and preferred examples of such vectors for use in this invention are the AAV-2 based vectors disclosed in Srivastava, WO93/09239. Most preferred AAV vectors comprise the two AAV inverted terminal repeats in which the native D-sequences are modified by substitution of nucleotides, such that at least 5 native nucleotides and up to 18 native nucleotides, preferably at least 10 native nucleotides up to 18 native nucleotides, most preferably 10 native nucleotides are retained and the remaining nucleotides of the D-sequence are deleted or replaced with non-native nucleotides. The native D-sequences of the AAV inverted terminal repeats are sequences of 20 consecutive nucleotides in each AAV inverted terminal repeat (i.e., there is one sequence at each end) which are not involved in HP formation. The non-native replacement nucleotide may be any nucleotide other than the nucleotide found in the native D-sequence in the same position. Other employable exemplary AAV vectors are pWP-19, pWN-1, both of which are disclosed in Nahreini (1993) *Gene* 124:257-262. Another example of such an AAV vector is psub201 (see Samulski (1987) *J. Virol.* 61:3096). Another exemplary AAV vector is the Double-D ITR vector. Construction of the Double-D ITR vector is disclosed in US Patent 5,478,745. Still other vectors are those disclosed in Carter US Patent 4,797,368 and Muzyczka US Patent 5,139,941, Chartejee US Patent 5,474,935, and Kotin WO94/288157. Yet a further example of an AAV vector employable in this invention is SSV9AFABTKneo, which contains the AFP enhancer and albumin promoter and directs expression predominantly in the liver. Its structure and construction are disclosed in Su (1996) *Human Gene Therapy* 7:463-470. Additional AAV gene therapy vectors are described in US 5,354,678, US 5,173,414, US 5,139,941, and US 5,252,479.

The gene therapy vectors comprising sequences of the invention also include herpes vectors. Leading and preferred examples are herpes simplex virus vectors containing a sequence encoding a thymidine kinase polypeptide such as those disclosed in US 5,288,641 and EP0176170 (Roizman). Additional exemplary herpes simplex virus vectors include HFEM/ICP6-LacZ disclosed in WO95/04139 (Wistar Institute), pHSVlac described in Geller (1988) Science 241:1667-1669 and in WO90/09441 and WO92/07945, HSV Us3::pgC-lacZ described in Fink (1992) Human Gene Therapy 3:11-19 and HSV 7134, 2 RH 105 and GALA described in EP 0453242 (Breakefield), and those deposited with the ATCC as accession numbers ATCC VR-977 and ATCC VR-260.

Also contemplated are alpha virus gene therapy vectors that can be employed in this invention. Preferred alpha virus vectors are Sindbis viruses vectors. Togaviruses, Semliki Forest virus (ATCC VR-67; ATCC VR-1247), Middleberg virus (ATCC VR-370), Ross River virus (ATCC VR-373; ATCC VR-1246), Venezuelan equine encephalitis virus (ATCC VR923; ATCC VR-1250; ATCC VR-1249; ATCC VR-532), and those described in US patents 5,091,309, 5,217,879, and WO92/10578. More particularly, those alpha virus vectors described in U.S. Serial No. 08/405,627, filed March 15, 1995, WO94/21792, WO92/10578,

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WO95/07994, US 5,091,309 and US 5,217,879 are employable. Such alpha viruses may be obtained from depositories or collections such as the ATCC in Rockville, Maryland or isolated from known sources using commonly available techniques. Preferably, alphavirus vectors with reduced cytotoxicity are used (see USSN 08/679640).

DNA vector systems such as eukarytic layered expression systems are also useful for expressing the nucleic acids of the invention. SeeWO95/07994 for a detailed description of eukaryotic layered expression systems. Preferably, the eukaryotic layered expression systems of the invention are derived from alphavirus vectors and most preferably from Sindbis viral vectors.

Other viral vectors suitable for use in the present invention include those derived from poliovirus, for example ATCC VR-58 and those described in Evans, Nature 339 (1989) 385 and Sabin (1973) J. Biol. Standardization 1:115; rhinovirus, for example ATCC VR-1110 and those described in Arnold (1990) J Cell Biochem L401; pox viruses such as canary pox virus or vaccinia virus, for example ATCC VR-111 and ATCC VR-2010 and those described in Fisher-Hoch (1989) Proc Natl Acad Sci 86:317; Flexner (1989) Ann NY Acad Sci 569:86, Flexner (1990) Vaccine 8:17; in US 4,603,112 and US 4,769,330 and WO89/01973; SV40 virus, for example ATCC VR-305 and those described in Mulligan (1979) Nature 277:108 and Madzak (1992) J Gen Virol 73:1533; influenza virus, for example ATCC VR-797 and recombinant influenza viruses made employing reverse genetics techniques as described in US 5,166,057 and in Enami (1990) Proc Natl Acad Sci 87:3802-3805; Enami & Palese (1991) J Virol 65:2711-2713 and Luytjes (1989) Cell 59:110, (see also McMichael (1983) NEJ Med 309:13, and Yap (1978) Nature 273:238 and Nature (1979) 277:108); human immunodeficiency virus as described in EP-0386882 and in Buchschacher (1992) J. Virol. 66:2731; measles virus, for example ATCC VR-67 and VR-1247 and those described in EP-0440219; Aura virus, for example ATCC VR-368; Bebaru virus, for example ATCC VR-600 and ATCC VR-1240; Cabassou virus, for example ATCC VR-922; Chikungunya virus, for example ATCC VR-64 and ATCC VR-1241; Fort Morgan Virus, for example ATCC VR-924; Getah virus, for example ATCC VR-369 and ATCC VR-1243; Kyzylagach virus, for example ATCC VR-927; Mayaro virus, for example ATCC VR-66; Mucambo virus, for example ATCC VR-580 and ATCC VR-1244; Ndumu virus, for example ATCC VR-371; Pixuna virus, for example ATCC VR-372 and ATCC VR-1245; Tonate virus, for example

ATCC VR-925; Triniti virus, for example ATCC VR-469; Una virus, for example ATCC VR-374; Whataroa virus, for example ATCC VR-926; Y-62-33 virus, for example ATCC VR-375; O'Nyong virus, Eastern encephalitis virus, for example ATCC VR-65 and ATCC VR-1242; Western encephalitis virus, for example ATCC VR-70, ATCC VR-1251, ATCC VR-622 and ATCC VR-1252; and coronavirus, for example ATCC VR-740 and those described in Hamre (1966) *Proc Soc Exp Biol Med* 121:190.

Delivery of the compositions of this invention into cells is not limited to the above mentioned viral vectors. Other delivery methods and media may be employed such as, for example, nucleic acid expression vectors, polycationic condensed DNA linked or unlinked to killed adenovirus alone, for example see US Serial No. 08/366,787, filed December 30, 1994 and Curiel (1992) Hum Gene Ther 3:147-154 ligand linked DNA, for example see Wu (1989) J Biol Chem 264:16985-16987, eucaryotic cell delivery vehicles cells, for example see US Serial No.08/240,030, filed May 9, 1994, and US Serial No. 08/404,796, deposition of photopolymerized hydrogel materials, hand-held gene transfer particle gun, as described in US Patent 5,149,655, ionizing radiation as described in US5,206,152 and in WO92/11033, nucleic charge neutralization or fusion with cell membranes. Additional approaches are described in Philip (1994) Mol Cell Biol 14:2411-2418 and in Woffendin (1994) Proc Natl Acad Sci 91:1581-1585.

Particle mediated gene transfer may be employed, for example see US Serial No. 60/023,867. Briefly, the sequence can be inserted into conventional vectors that contain conventional control sequences for high level expression, and then incubated with synthetic gene transfer molecules such as polymeric DNA-binding cations like polylysine, protamine, and albumin, linked to cell targeting ligands such as asialoorosomucoid, as described in Wu & Wu (1987) J. Biol. Chem. 262:4429-4432, insulin as described in Hucked (1990) Biochem Pharmacol 40:253-263, galactose as described in Plank (1992) Bioconjugate Chem 3:533-539, lactose or transferrin.

Naked DNA may also be employed to transform a host cell. Exemplary naked DNA introduction methods are described in WO 90/11092 and US 5,580,859. Uptake efficiency may be improved using biodegradable latex beads. DNA coated latex beads are efficiently transported into cells after endocytosis initiation by the beads. The method may be improved

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further by treatment of the beads to increase hydrophobicity and thereby facilitate disruption of the endosome and release of the DNA into the cytoplasm.

Liposomes that can act as gene delivery vehicles are described in U.S. 5,422,120, WO95/13796, WO94/23697, WO91/14445 and EP-524,968. As described in USSN. 60/023,867, on non-viral delivery, the nucleic acid sequences encoding a polypeptide can be inserted into conventional vectors that contain conventional control sequences for high level expression, and then be incubated with synthetic gene transfer molecules such as polymeric DNA-binding cations like polylysine, protamine, and albumin, linked to cell targeting ligands such as asialoorosomucoid, insulin, galactose, lactose, or transferrin. Other delivery systems include the use of liposomes to encapsulate DNA comprising the gene under the control of a variety of tissue-specific or ubiquitously-active promoters. Further non-viral delivery suitable for use includes mechanical delivery systems such as the approach described in Woffendin et al (1994) Proc. Natl. Acad. Sci. USA 91(24):11581-11585. Moreover, the coding sequence and the product of expression of such can be delivered through deposition of photopolymerized hydrogel materials. Other conventional methods for gene delivery that can be used for delivery of the coding sequence include, for example, use of hand-held gene transfer particle gun, as described in U.S. 5,149,655; use of ionizing radiation for activating transferred gene, as described in U.S. 5,206,152 and WO92/11033

Exemplary liposome and polycationic gene delivery vehicles are those described in US 5,422,120 and 4,762,915; inWO 95/13796; WO94/23697; and WO91/14445; in EP-0524968; and in Stryer, Biochemistry, pages 236-240 (1975) W.H. Freeman, San Francisco; Szoka (1980) Biochem Biophys Acta 600:1; Bayer (1979) Biochem Biophys Acta 550:464; Rivnay (1987) Meth Enzymol 149:119; Wang (1987) Proc Natl Acad Sci 84:7851; Plant (1989) Anal Biochem 176:420.

A polynucleotide composition can comprise a therapeutically effective amount of a gene therapy vehicle, as the term is defined above. For purposes of the present invention, an effective dose will be from about 0.01 mg/kg to 50 mg/kg or 0.05 mg/kg to about 10 mg/kg of the DNA constructs in the individual to which it is administered.

Delivery Methods

Once formulated, the polynucleotide compositions of the invention can be administered (1) directly to the subject; (2) delivered ex vivo, to cells derived from the subject; or (3) in vitro for expression of recombinant proteins. The subjects to be treated can be mammals or birds. Also, human subjects can be treated.

Direct delivery of the compositions will generally be accomplished by injection, either subcutaneously, intraperitoneally, transdermally or transcutaneously, intravenously or intramuscularly or delivered to the interstitial space of a tissue. The compositions can also be administered into a tumor or lesion. Other modes of administration include oral and pulmonary administration, suppositories, and transdermal applications, needles, and gene guns or hyposprays. Dosage treatment may be a single dose schedule or a multiple dose schedule. See WO98/20734.

Methods for the ex vivo delivery and reimplantation of transformed cells into a subject are known in the art and described in e.g., WO93/14778. Examples of cells useful in ex vivo applications include, for example, stem cells, particularly hematopoetic, lymph cells, macrophages, dendritic cells, or tumor cells.

Generally, delivery of nucleic acids for both ex vivo and in vitro applications can be accomplished by the following procedures, for example, dextran-mediated transfection, calcium phosphate precipitation, polybrene mediated transfection, protoplast fusion, electroporation, encapsulation of the polynucleotide(s) in liposomes, and direct microinjection of the DNA into nuclei, all well known in the art.

Polynucleotide and Polypeptide pharmaceutical compositions

In addition to the pharmaceutically acceptable carriers and salts described above, the following additional agents can be used with polynucleotide and/or polypeptide compositions.

A. Polypeptides

One example are polypeptides which include, without limitation: asialoorosomucoid (ASOR); transferrin; asialoglycoproteins; antibodies; antibody fragments; ferritin; interleukins; interferons, granulocyte, macrophage colony stimulating factor (GM-CSF),

granulocyte colony stimulating factor (G-CSF), macrophage colony stimulating factor (M-CSF), stem cell factor and erythropoietin. Viral antigens, such as envelope proteins, can also be used. Also, proteins from other invasive organisms, such as the 17 amino acid peptide from the circumsporozoite protein of plasmodium falciparum known as RII.

B. Hormones, Vitamins, Etc.

Other groups that can be included in a pharmaceutical composition include, for example: hormones, steroids, androgens, estrogens, thyroid hormone, or vitamins, folic acid.

C. Polyalkylenes, Polysaccharides, etc.

Also, polyalkylene glycol can be included in a pharmaceutical compositions with the desired polynucleotides and/or polypeptides. In a preferred embodiment, the polyalkylene glycol is polyethlylene glycol. In addition, mono-, di-, or polysaccarides can be included. In a preferred embodiment of this aspect, the polysaccharide is dextran or DEAE-dextran. Also, chitosan and poly(lactide-co-glycolide) may be included in a pharmaceutical composition.

D. Lipids, and Liposomes

The desired polynucleotide or polypeptide can also be encapsulated in lipids or packaged in liposomes prior to delivery to the subject or to cells derived therefrom.

Lipid encapsulation is generally accomplished using liposomes which are able to stably bind or entrap and retain nucleic acid or polypeptide. The ratio of condensed polynucleotide to lipid preparation can vary but will generally be around 1:1 (mg DNA:micromoles lipid), or more of lipid. For a review of the use of liposomes as carriers for delivery of nucleic acids, see, Hug and Sleight (1991) *Biochim. Biophys. Acta.* 1097:1-17; Straubinger (1983) *Meth. Enzymol.* 101:512-527.

Liposomal preparations for use in the present invention include cationic (positively charged), anionic (negatively charged) and neutral preparations. Cationic liposomes have been shown to mediate intracellular delivery of plasmid DNA (Felgner (1987) *Proc. Natl. Acad. Sci. USA* 84:7413-7416); mRNA (Malone (1989) *Proc. Natl. Acad. Sci. USA* 86:6077-6081); and purified transcription factors (Debs (1990) *J. Biol. Chem.* 265:10189-10192), in functional form.

Cationic liposomes are readily available. For example,

N(1-2,3-dioleyloxy)propyl)-N,N,N-triethylammonium (DOTMA) liposomes are available under the trademark Lipofectin, from GIBCO BRL, Grand Island, NY. (See, also, Felgner supra). Other commercially available liposomes include transfectace (DDAB/DOPE) and DOTAP/DOPE (Boerhinger). Other cationic liposomes can be prepared from readily available materials using techniques well known in the art. See, e.g., Szoka (1978) Proc. Natl. Acad. Sci. USA 75:4194-4198; WO90/11092 for a description of the synthesis of DOTAP (1,2-bis(oleoyloxy)-3-(trimethylammonio)propane) liposomes.

Similarly, anionic and neutral liposomes are readily available, such as from Avanti Polar Lipids (Birmingham, AL), or can be easily prepared using readily available materials. Such materials include phosphatidyl choline, cholesterol, phosphatidyl ethanolamine, dioleoylphosphatidyl choline (DOPC), dioleoylphosphatidyl glycerol (DOPG), dioleoylphoshatidyl ethanolamine (DOPE), among others. These materials can also be mixed with the DOTMA and DOTAP starting materials in appropriate ratios. Methods for making liposomes using these materials are well known in the art.

The liposomes can comprise multilammelar vesicles (MLVs), small unilamellar vesicles (SUVs), or large unilamellar vesicles (LUVs). The various liposome-nucleic acid complexes are prepared using methods known in the art. See e.g., Straubinger (1983) Meth. Immunol. 101:512-527; Szoka (1978) Proc. Natl. Acad. Sci. USA 75:4194-4198; Papahadjopoulos (1975) Biochim. Biophys. Acta 394:483; Wilson (1979) Cell 17:77); Deamer & Bangham (1976) Biochim. Biophys. Acta 443:629; Ostro (1977) Biochem. Biophys. Res. Commun. 76:836; Fraley (1979) Proc. Natl. Acad. Sci. USA 76:3348); Enoch & Strittmatter (1979) Proc. Natl. Acad. Sci. USA 76:145; Fraley (1980) J. Biol. Chem. (1980) 255:10431; Szoka & Papahadjopoulos (1978) Proc. Natl. Acad. Sci. USA 75:145; and Schaefer-Ridder (1982) Science 215:166.

E. Lipoproteins

In addition, lipoproteins can be included with the polynucleotide or polypeptide to be delivered. Examples of lipoproteins to be utilized include: chylomicrons, HDL, IDL, LDL, and VLDL. Mutants, fragments, or fusions of these proteins can also be used. Also, modifications of naturally occurring lipoproteins can be used, such as acetylated LDL. These

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lipoproteins can target the delivery of polynucleotides to cells expressing lipoprotein receptors. Preferably, if lipoproteins are including with the polynucleotide to be delivered, no other targeting ligand is included in the composition.

Naturally occurring lipoproteins comprise a lipid and a protein portion. The protein portion are known as apoproteins. At the present, apoproteins A, B, C, D, and E have been isolated and identified. At least two of these contain several proteins, designated by Roman numerals, AI, AII, AIV; CI, CII, CIII.

A lipoprotein can comprise more than one apoprotein. For example, naturally occurring chylomicrons comprises of A, B, C, and E; over time these lipoproteins lose A and acquire C and E apoproteins. VLDL comprises A, B, C, and E apoproteins, LDL comprises apoprotein B; and HDL comprises apoproteins A, C, and E.

The amino acid sequences of these apoproteins are known and are described in, for example, Breslow (1985) Annu Rev. Biochem 54:699; Law (1986) Adv. Exp Med. Biol. 151:162; Chen (1986) J Biol Chem 261:12918; Kane (1980) Proc Natl Acad Sci USA 77:2465; and Utermann (1984) Hum Genet 65:232.

Lipoproteins contain a variety of lipids including, triglycerides, cholesterol (free and esters), and phopholipids. The composition of the lipids varies in naturally occurring lipoproteins. For example, chylomicrons comprise mainly triglycerides. A more detailed description of the lipid content of naturally occurring lipoproteins can be found, for example, in Meth. Enzymol. 128 (1986). The composition of the lipids are chosen to aid in conformation of the apoprotein for receptor binding activity. The composition of lipids can also be chosen to facilitate hydrophobic interaction and association with the polynucleotide binding molecule.

Naturally occurring lipoproteins can be isolated from serum by ultracentrifugation, for instance. Such methods are described in Meth. Enzymol. (supra); Pitas (1980) J. Biochem. 255:5454-5460 and Mahey (1979) J Clin. Invest 64:743-750.

Lipoproteins can also be produced by in vitro or recombinant methods by expression of the apoprotein genes in a desired host cell. See, for example, Atkinson (1986) Annu Rev Biophys Chem 15:403 and Radding (1958) Biochim Biophys Acta 30: 443.

Lipoproteins can also be purchased from commercial suppliers, such as Biomedical Techniologies, Inc., Stoughton, Massachusetts, USA.

Further description of lipoproteins can be found in Zuckermann et al., PCT. Appln. No. US97/14465.

F. Polycationic Agents

Polycationic agents can be included, with or without lipoprotein, in a composition with the desired polynucleotide and/or polypeptide to be delivered.

Polycationic agents, typically, exhibit a net positive charge at physiological relevant pH and are capable of neutralizing the electrical charge of nucleic acids to facilitate delivery to a desired location. These agents have both in vitro, ex vivo, and in vivo applications. Polycationic agents can be used to deliver nucleic acids to a living subject either intramuscularly, subcutaneously, etc.

The following are examples of useful polypeptides as polycationic agents: polylysine, polyarginine, polyornithine, and protamine. Other examples of useful polypeptides include histones, protamines; human serum albumin, DNA binding proteins, non-histone chromosomal proteins, coat proteins from DNA viruses, such as ΦX174, transcriptional factors also contain domains that bind DNA and therefore may be useful as nucleic aid condensing agents. Briefly, transcriptional factors such as C/CEBP, c-jun, c-fos, AP-1, AP-2, AP-3, CPF, Prot-1, Sp-1, Oct-1, Oct-2, CREP, and TFIID contain basic domains that bind DNA sequences.

Organic polycationic agents include: spermine, spermidine, and purtrescine.

The dimensions and of the physical properties of a polycationic agent can be extrapolated from the list above, to construct other polypeptide polycationic agents or to produce synthetic polycationic agents.

G. Synthetic Polycationic Agents

Synthetic polycationic agents which are useful in pharmaceutical compositions include, for example, DEAE-dextran, polybrene. Lipofectin[™], and lipofectAMINE[™] are monomers that form polycationic complexes when combined with polynucleotides or polypeptides.

Immunodiagnostic Assays

Neisseria MenB antigens, or antigenic fragments thereof, of the invention can be used in immunoassays to detect antibody levels (or, conversely, anti-Neisseria MenB antibodies can be used to detect antigen levels). Immunoassays based on well defined, recombinant antigens can be developed to replace invasive diagnostics methods. Antibodies to Neisseria MenB proteins or fragments thereof within biological samples, including for example, blood or serum samples, can be detected. Design of the immunoassays is subject to a great deal of variation, and a variety of these are known in the art. Protocols for the immunoassay may be based, for example, upon competition, or direct reaction, or sandwich type assays. Protocols may also, for example, use solid supports, or may be by immunoprecipitation. Most assays involve the use of labeled antibody or polypeptide; the labels may be, for example, fluorescent, chemiluminescent, radioactive, or dye molecules. Assays which amplify the signals from the probe are also known; examples of which are assays which utilize biotin and avidin, and enzyme-labeled and mediated immunoassays, such as ELISA assays.

Kits suitable for immunodiagnosis and containing the appropriate labeled reagents are constructed by packaging the appropriate materials, including the compositions of the invention, in suitable containers, along with the remaining reagents and materials (for example, suitable buffers, salt solutions, etc.) required for the conduct of the assay, as well as suitable set of assay instructions.

Nucleic Acid Hybridization

"Hybridization" refers to the association of two nucleic acid sequences to one another by hydrogen bonding. Typically, one sequence will be fixed to a solid support and the other will be free in solution. Then, the two sequences will be placed in contact with one another under conditions that favor hydrogen bonding. Factors that affect this bonding include: the type and volume of solvent; reaction temperature; time of hybridization; agitation; agents to block the non-specific attachment of the liquid phase sequence to the solid support (Denhardt's reagent or BLOTTO); concentration of the sequences; use of compounds to increase the rate of association of sequences (dextran sulfate or polyethylene glycol); and the stringency of the washing conditions following hybridization. See Sambrook et al. (supra) Volume 2, chapter 9, pages 9.47 to 9.57.

"Stringency" refers to conditions in a hybridization reaction that favor association of very similar sequences over sequences that differ. For example, the combination of temperature and salt concentration should be chosen that is approximately 120 to 200°C below the calculated Tm of the hybrid under study. The temperature and salt conditions can often be determined empirically in preliminary experiments in which samples of genomic DNA immobilized on filters are hybridized to the sequence of interest and then washed under conditions of different stringencies. See Sambrook *et al.* at page 9.50.

Variables to consider when performing, for example, a Southern blot are (1) the complexity of the DNA being blotted and (2) the homology between the probe and the sequences being detected. The total amount of the fragment(s) to be studied can vary a magnitude of 10, from 0.1 to 1µg for a plasmid or phage digest to 10⁻⁹ to 10⁻⁸ g for a single copy gene in a highly complex eukaryotic genome. For lower complexity polynucleotides, substantially shorter blotting, hybridization, and exposure times, a smaller amount of starting polynucleotides, and lower specific activity of probes can be used. For example, a single-copy yeast gene can be detected with an exposure time of only 1 hour starting with 1 µg of yeast DNA, blotting for two hours, and hybridizing for 4-8 hours with a probe of 10⁸ cpm/µg. For a single-copy mammalian gene a conservative approach would start with 10 µg of DNA, blot overnight, and hybridize overnight in the presence of 10% dextran sulfate using a probe of greater than 10⁸ cpm/µg, resulting in an exposure time of ~24 hours.

Several factors can affect the melting temperature (Tm) of a DNA-DNA hybrid between the probe and the fragment of interest, and consequently, the appropriate conditions for hybridization and washing. In many cases the probe is not 100% homologous to the fragment. Other commonly encountered variables include the length and total G+C content of the hybridizing sequences and the ionic strength and formamide content of the hybridization buffer. The effects of all of these factors can be approximated by a single equation:

Tm= $81 + 16.6(\log_{10}Ci) + 0.4(\%(G+C)) - 0.6(\%formamide) - 600/n - 1.5(\%mismatch)$ where Ci is the salt concentration (monovalent ions) and n is the length of the hybrid in base pairs (slightly modified from Meinkoth & Wahl (1984) Anal. Biochem. 138:267-284).

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In designing a hybridization experiment, some factors affecting nucleic acid hybridization can be conveniently altered. The temperature of the hybridization and washes and the salt concentration during the washes are the simplest to adjust. As the temperature of the hybridization increases (i.e., stringency), it becomes less likely for hybridization to occur between strands that are nonhomologous, and as a result, background decreases. If the radiolabeled probe is not completely homologous with the immobilized fragment (as is frequently the case in gene family and interspecies hybridization experiments), the hybridization temperature must be reduced, and background will increase. The temperature of the washes affects the intensity of the hybridizing band and the degree of background in a similar manner. The stringency of the washes is also increased with decreasing salt concentrations.

In general, convenient hybridization temperatures in the presence of 50% formamide are 42°C for a probe with is 95% to 100% homologous to the target fragment, 37°C for 90% to 95% homology, and 32°C for 85% to 90% homology. For lower homologies, formamide content should be lowered and temperature adjusted accordingly, using the equation above. If the homology between the probe and the target fragment are not known, the simplest approach is to start with both hybridization and wash conditions which are nonstringent. If non-specific bands or high background are observed after autoradiography, the filter can be washed at high stringency and reexposed. If the time required for exposure makes this approach impractical, several hybridization and/or washing stringencies should be tested in parallel.

Nucleic Acid Probe Assays

Methods such as PCR, branched DNA probe assays, or blotting techniques utilizing nucleic acid probes according to the invention can determine the presence of cDNA or mRNA. A probe is said to "hybridize" with a sequence of the invention if it can form a duplex or double stranded complex, which is stable enough to be detected.

The nucleic acid probes will hybridize to the Neisserial nucleotide sequences of the invention (including both sense and antisense strands). Though many different nucleotide sequences will encode the amino acid sequence, the native Neisserial sequence is preferred because it is the actual sequence present in cells. mRNA represents a coding sequence and so a probe should be complementary to the coding sequence; single-stranded cDNA is complementary to mRNA, and so a cDNA probe should be complementary to the non-coding sequence.

The probe sequence need not be identical to the Neisserial sequence (or its complement) -- some variation in the sequence and length can lead to increased assay sensitivity if the nucleic acid probe can form a duplex with target nucleotides, which can be detected. Also, the nucleic acid probe can include additional nucleotides to stabilize the formed duplex. Additional Neisserial sequence may also be helpful as a label to detect the formed duplex. For example, a non-complementary nucleotide sequence may be attached to the 5' end of the probe, with the remainder of the probe sequence being complementary to a Neisserial sequence. Alternatively, non-complementary bases or longer sequences can be interspersed into the probe, provided that the probe sequence has sufficient complementarity with the a Neisserial sequence in order to hybridize therewith and thereby form a duplex which can be detected.

The exact length and sequence of the probe will depend on the hybridization conditions, such as temperature, salt condition and the like. For example, for diagnostic applications, depending on the complexity of the analyte sequence, the nucleic acid probe typically contains at least 10-20 nucleotides, preferably 15-25, and more preferably at least 30 nucleotides, although it may be shorter than this. Short primers generally require cooler temperatures to form sufficiently stable hybrid complexes with the template.

Probes may be produced by synthetic procedures, such as the triester method of Matteucci et al. (J. Am. Chem. Soc. (1981) 103:3185), or according to Urdea et al. (Proc. Natl. Acad. Sci. USA (1983) 80: 7461), or using commercially available automated oligonucleotide synthesizers.

The chemical nature of the probe can be selected according to preference. For certain applications, DNA or RNA are appropriate. For other applications, modifications may be incorporated e.g., backbone modifications, such as phosphorothioates or methylphosphonates, can be used to increase in vivo half-life, alter RNA affinity, increase nuclease resistance etc. (e.g., see Agrawal & Iyer (1995) Curr Opin Biotechnol 6:12-19: Agrawal (1996) TIBTECH 14:376-387); analogues such as peptide nucleic acids may also be used (e.g., see Corey (1997) TIBTECH 15:224-229; Buchardt et al. (1993) TIBTECH 11:384-386).

One example of a nucleotide hybridization assay is described by Urdea et al. in international patent application WO92/02526 (see also U.S. Patent 5,124,246).

Alternatively, the polymerase chain reaction (PCR) is another well-known means for detecting small amounts of target nucleic acids. The assay is described in: Mullis et al. (Meth. Enzymol. (1987) 155: 335-350); US patent 4,683,195; and US patent 4,683,202. Two "primer" nucleotides hybridize with the target nucleic acids and are used to prime the reaction. The primers can comprise sequence that does not hybridize to the sequence of the amplification target (or its complement) to aid with duplex stability or, for example, to incorporate a convenient restriction site. Typically, such sequence will flank the desired Neisserial sequence.

A thermostable polymerase creates copies of target nucleic acids from the primers using the original target nucleic acids as a template. After a threshold amount of target nucleic acids are generated by the polymerase, they can be detected by more traditional methods, such as Southern blots. When using the Southern blot method, the labeled probe will hybridize to the Neisserial sequence (or its complement).

Also, mRNA or cDNA can be detected by traditional blotting techniques described in Sambrook et al (supra). mRNA, or cDNA generated from mRNA using a polymerase enzyme, can be purified and separated using gel electrophoresis. The nucleic acids on the gel are then blotted onto a solid support, such as nitrocellulose. The solid support is exposed to a labeled probe and then washed to remove any unhybridized probe. Next, the duplexes containing the labeled probe are detected. Typically, the probe is labeled with a radioactive moiety.

EXAMPLES

The invention is based on the 961 nucleotide sequences from the genome of *N. meningitidis* set out in Appendix C, SEQ ID NOs:1-961 of the '573 application, which together represent substantially the complete genome of serotype B of *N. meningitidis*, as well as the full length genome sequence shown in Appendix D, SEQ ID NO 1068 of the '573

application, and the full length genome sequence shown in Appendix A hereto, SEQ ID NO.

1.

It will be self-evident to the skilled person how this sequence information can be utilized according to the invention, as above described.

The standard techniques and procedures which may be employed in order to perform the invention (e.g. to utilize the disclosed sequences to predict polypeptides useful for vaccination or diagnostic purposes) were summarized above. This summary is not a limitation on the invention but, rather, gives examples that may be used, but are not required.

These sequences are derived from contigs shown in Appendix C (SEQ ID NOs 1-961) and from the full length genome sequence shown in Appendix D (SEQ ID NO 1068), which were prepared during the sequencing of the genome of N. meningitidis (strain B). The full length sequence was assembled using the TIGR Assembler as described by G.S. Sutton et al., TIGR Assembler: A New Tool for Assembling Large Shotgun Sequencing Projects, Genome Science and Technology, 1:9-19 (1995) [see also R. D. Fleischmann, et al., Science 269, 496-512 (1995); C. M. Fraser, et al., Science 270, 397-403 (1995); C. J. Bult, et al., Science 273, 1058-73 (1996); C. M. Fraser, et. al, Nature 390, 580-586 (1997); J.-F. Tomb, et. al., Nature 388, 539-547 (1997); H. P. Klenk, et al., Nature 390, 364-70 (1997); C. M. Fraser, et al., Science 281, 375-88 (1998); M. J. Gardner, et al., Science 282, 1126-1132 (1998); K. E. Nelson, et al., Nature 399, 323-9 (1999)]. Then, using the above-described methods, putative translation products of the sequences were determined. Computer analysis of the translation products were determined based on database comparisons. Corresponding gene and protein sequences, if any, were identified in Neisseria meningitidis (Strain A) and Neisseria gonorrhoeae. Then the proteins were expressed, purified, and characterized to assess their antigenicity and immunogenicity.

In particular, the following methods were used to express, purify, and biochemically characterize the proteins of the invention.

Chromosomal DNA Preparation

N. meningitidis strain 2996 was grown to exponential phase in 100 ml of GC medium, harvested by centrifugation, and resuspended in 5 ml buffer (20% Sucrose, 50 mM Tris-HCl, 50 mM EDTA, adjusted to pH 8.0). After 10 minutes incubation on ice, the bacteria were

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lysed by adding 10 ml lysis solution (50 mM NaCl, 1% Na-Sarkosyl, 50 µg/ml Proteinase K), and the suspension was incubated at 37°C for 2 hours. Two phenol extractions (equilibrated to pH 8) and one ChCl₃/isoamylalcohol (24:1) extraction were performed. DNA was precipitated by addition of 0.3M sodium acetate and 2 volumes ethanol, and was collected by centrifugation. The pellet was washed once with 70% ethanol and redissolved in 4 ml buffer (10 mM Tris-HCl, 1mM EDTA, pH 8). The DNA concentration was measured by reading the OD at 260 nm.

Oligonucleotide design

Synthetic oligonucleotide primers were designed on the basis of the coding sequence of each ORF, using (a) the meningococcus B sequence when available, or (b) the gonococcus/meningococcus A sequence, adapted to the codon preference usage of meningococcus. Any predicted signal peptides were omitted, by deducing the 5'-end amplification primer sequence immediately downstream from the predicted leader sequence.

For most ORFs, the 5' primers included two restriction enzyme recognition sites (BamHI-NdeI, BamHI-NheI, or EcoRI-NheI, depending on the gene's restriction pattern); the 3' primers included a XhoI restriction site. This procedure was established in order to direct the cloning of each amplification product (corresponding to each ORF) into two different expression systems: pGEX-KG (using either BamHI-Xhol or EcoRI-Xhol), and pET21b+ (using either NdeI-XhoI or NheI-XhoI).

5'-end primer tail: CGCGGATCCCATATG (BamHI-NdeI)

> CGCGGATCCGCTAGC (BamHI-NheI)

(EcoRI-NheI) CCGGAATTCTAGCTAGC

3'-end primer tail: CCCGCTCGAG (XhoI)

For some ORFs, two different amplifications were performed to clone each ORF in the two expression systems. Two different 5' primers were used for each ORF; the same 3' XhoI primer was used as before:

5'-end primer tail: GGAATTCCATATGGCCATGG (NdeI)

5'-end primer tail: CGGGATCC (BamHI) Other ORFs were cloned in the pTRC expression vector and expressed as an amino-terminus His-tag fusion. The predicted signal peptide may be included in the final product. *NheI-BamHI* restriction sites were incorporated using primers:

5'-end primer tail: GATCAGCTAGCCATATG (NheI)

3'-end primer tail: CGGGATCC (BamHI)

As well as containing the restriction enzyme recognition sequences, the primers included nucleotides which hybridized to the sequence to be amplified. The number of hybridizing nucleotides depended on the melting temperature of the whole primer, and was determined for each primer using the formulae:

$$T_m = 4 (G+C)+2 (A+T)$$
 (tail excluded)

$$T_m = 64.9 + 0.41 \text{ (% GC)} - 600/N$$
 (whole primer)

The average melting temperature of the selected oligos were 65-70°C for the whole oligo and 50-55°C for the hybridising region alone.

Oligos were synthesized by a Perkin Elmer 394 DNA/RNA Synthesizer, eluted from the columns in 2 ml NH₄-OH, and deprotected by 5 hours incubation at 56 °C. The oligos were precipitated by addition of 0.3M Na-Acetate and 2 volumes ethanol. The samples were then centrifuged and the pellets resuspended in either 100µ1 or 1ml of water. OD₂₆₀ was determined using a Perkin Elmer Lambda Bio spectophotometer and the concentration was determined and adjusted to 2-10 pmol/µl.

Table 1 shows the forward and reverse primers used for each amplification. In certain cases, it might be noted that the sequence of the primer does not exactly match the sequence in the ORF. When initial amplifications are performed, the complete 5' and/or 3' sequence may not be known for some meningococcal ORFs, although the corresponding sequences may have been identified in gonoccus. For amplification, the gonococcal sequences could thus be used as the basis for primer design, altered to take account of codon preference. In particular, the following codons may be changed: ATA→ATT; TCG→TCT; CAG→CAA; AAG→AAA; GAG→GAA; CGA and CGG→CGC; GGG→GGC.

Amplification

The standard PCR protocol was as follows: 50-200 ng of genomic DNA were used as a template in the presence of 20-40 μ M of each oligo, 400-800 μ M dNTPs solution, 1x PCR

buffer (including 1.5 mM MgCl₂), 2.5 units TaqI DNA polymerase (using Perkin-Elmer AmpliTaQ, GIBCO Platinum, Pwo DNA polymerase, or Tahara Shuzo Taq polymerase).

In some cases, PCR was optimsed by the addition of 10µl DMSO or 50 µl 2M betaine.

After a hot start (adding the polymerase during a preliminary 3 minute incubation of the whole mix at 95°C), each sample underwent a double-step amplification: the first 5 cycles were performed using as the hybridization temperature the one of the oligos excluding the restriction enzymes tail, followed by 30 cycles performed according to the hybridization temperature of the whole length oligos. The cycles were followed by a final 10 minute extension step at 72°C.

The standard cycles were as follows:

	Denaturation	Hybridisation	Elongation
First 5 cycles	30 seconds	30 seconds	30-60 seconds
	95°C	50-55°C	72°C
Last 30 cycles	30 seconds	30 seconds	30-60 seconds
	95°C	65-70°C	72°C

The elongation time varied according to the length of the ORF to be amplified.

The amplifications were performed using either a 9600 or a 2400 Perkin Elmer GeneAmp PCR System. To check the results, 1/10 of the amplification volume was loaded onto a 1-1.5% agarose gel and the size of each amplified fragment compared with a DNA molecular weight marker.

The amplified DNA was either loaded directly on a 1% agarose gel or first precipitated with ethanol and resuspended in a suitable volume to be loaded on a 1% agarose gel. The DNA fragment corresponding to the right size band was then eluted and purified from gel, using the Qiagen Gel Extraction Kit, following the instructions of the manufacturer. The final volume of the DNA fragment was 30µl or 50µl of either water or 10mM Tris, pH 8.5.

Digestion of PCR fragments

The purified DNA corresponding to the amplified fragment was split into 2 aliquots and double-digested with:

NdeI/XhoI or NheI/XhoI for cloning into pET-21b+ and further expression of the protein as a C-terminus His-tag fusion

BamHI/XhoI or EcoRI/XhoI for cloning into pGEX-KG and further expression of the protein as a GST N-terminus fusion.

For ORF 76, Nhel/BamHI for cloning into pTRC-HisA vector and further expression of the protein as N-terminus His-tag fusion.

Each purified DNA fragment was incubated (37°C for 3 hours to overnight) with 20 units of each restriction enzyme (New England Biolabs) in a either 30 or 40 µl final volume in the presence of the appropriate buffer. The digestion product was then purified using the QIAquick PCR purification kit, following the manufacturer's instructions, and eluted in a final volume of 30 (or 50) µl of either water or 10mM Tris-HCl, pH 8.5. The final DNA concentration was determined by 1% agarose gel electrophoresis in the presence of titrated molecular weight marker.

Digestion of the cloning vectors (pET22B, pGEX-KG and pTRC-His A)

10 μ g plasmid was double-digested with 50 units of each restriction enzyme in 200 μ l reaction volume in the presence of appropriate buffer by overnight incubation at 37°C. After loading the whole digestion on a 1% agarose gel, the band corresponding to the digested vector was purified from the gel using the Qiagen QIAquick Gel Extraction Kit and the DNA was eluted in 50 μ l of 10 mM Tris-HCl, pH 8.5. The DNA concentration was evaluated by measuring OD₂₆₀ of the sample, and adjusted to 50 μ g/ μ l. 1 μ l of plasmid was used for each cloning procedure.

Cloning

The fragments corresponding to each ORF, previously digested and purified, were ligated in both pET22b and pGEX-KG. In a final volume of 20 µl, a molar ratio of 3:1 fragment/vector was ligated using 0.5 µl of NEB T4 DNA ligase (400 units/µl), in the presence of the buffer supplied by the manufacturer. The reaction was incubated at room temperature for 3 hours. In some experiments, ligation was performed using the Boheringer "Rapid Ligation Kit", following the manufacturer's instructions.

In order to introduce the recombinant plasmid in a suitable strain, $100 \,\mu l$ *E. coli* DH5 competent cells were incubated with the ligase reaction solution for 40 minutes on ice, then at 37°C for 3 minutes, then, after adding 800 μl LB broth, again at 37°C for 20 minutes. The cells were then centrifuged at maximum speed in an Eppendorf microfuge and resuspended in approximately 200 μl of the supernatant. The suspension was then plated on LB ampicillin (100 mg/ml).

The screening of the recombinant clones was performed by growing 5 randomly-chosen colonies overnight at 37 °C in either 2 ml (pGEX or pTC clones) or 5ml (pET clones) LB broth + 100 µg/ml ampicillin. The cells were then pelletted and the DNA extracted using the Qiagen QIAprep Spin Miniprep Kit, following the manufacturer's instructions, to a final volume of 30 µl. 5 µl of each individual miniprep (approximately 1g) were digested with either NdeI/XhoI or BamHI/XhoI and the whole digestion loaded onto a 1-1.5% agarose gel (depending on the expected insert size), in parallel with the molecular weight marker (1Kb DNA Ladder, GIBCO). The screening of the positive clones was made on the base of the correct insert size.

Cloning

Certain ORFs may be cloned into the pGEX-HIS vector using *EcoRI-PstI*, *EcoRI-SalI*, or *SalI-PstI* cloning sites. After cloning, the recombinant plasmids may be introduced in the *E*.coli host W3110.

Expression

Each ORF cloned into the expression vector may then be transformed into the strain suitable for expression of the recombinant protein product. 1 μl of each construct was used to transform 30 μl of *E.coli* BL21 (pGEX vector), *E.coli* TOP 10 (pTRC vector) or *E.coli* BL21-DE3 (pET vector), as described above. In the case of the pGEX-His vector, the same *E.coli* strain (W3110) was used for initial cloning and expression. Single recombinant colonies were inoculated into 2ml LB+Amp (100 μg/ml), incubated at 37°C overnight, then diluted 1:30 in 20 ml of LB+Amp (100 μg/ml) in 100 ml flasks, making sure that the OD₆₀₀ ranged between 0.1 and 0.15. The flasks were incubated at 30°C into gyratory water bath shakers until OD indicated exponential growth suitable for induction of expression (0.4-0.8 OD for

pET and pTRC vectors; 0.8-1 OD for pGEX and pGEX-His vectors). For the pET, pTRC and pGEX-His vectors, the protein expression was induced by addiction of 1mM IPTG, whereas in the case of pGEX system the final concentration of IPTG was 0.2 mM. After 3 hours incubation at 30°C, the final concentration of the sample was checked by OD. In order to check expression, 1ml of each sample was removed, centrifuged in a microfuge, the pellet resuspended in PBS, and analysed by 12% SDS-PAGE with Coomassie Blue staining. The whole sample was centrifuged at 6000g and the pellet resuspended in PBS for further use.

GST-fusion proteins large-scale purification.

A single colony was grown overnight at 37°C on LB+Amp agar plate. The bacteria were inoculated into 20 ml of LB+Amp liquid colture in a water bath shaker and grown overnight. Bacteria were diluted 1:30 into 600 ml of fresh medium and allowed to grow at the optimal temperature (20-37°C) to OD₅₅₀ 0.8-1. Protein expression was induced with 0.2mM IPTG followed by three hours incubation. The culture was centrifuged at 8000 rpm at 4°C. The supernatant was discarded and the bacterial pellet was resuspended in 7.5 ml cold PBS. The cells were disrupted by sonication on ice for 30 sec at 40W using a Branson sonifier B-15, frozen and thawed two times and centrifuged again. The supernatant was collected and mixed with 150µl Glutatione-Sepharose 4B resin (Pharmacia) (previously washed with PBS) and incubated at room temperature for 30 minutes. The sample was centrifuged at 700g for 5 minutes at 4C. The resin was washed twice with 10 ml cold PBS for 10 minutes, resuspended in 1ml cold PBS, and loaded on a disposable column. The resin was washed twice with 2ml cold PBS until the flow-through reached OD₂₈₀ of 0.02-0.06. The GST-fusion protein was eluted by addition of 700µl cold Glutathione elution buffer 10mM reduced glutathione, 50mM Tris-HCl) and fractions collected until the OD₂₈₀ was 0.1. 21 µl of each fraction were loaded on a 12% SDS gel using either Biorad SDS-PAGE Molecular weight standard broad range (M1) (200, 116.25, 97.4, 66.2, 45, 31, 21.5, 14.4, 6.5 kDa) or Amersham Rainbow Marker (M") (220, 66, 46, 30, 21.5, 14.3 kDa) as standards. As the MW of GST is 26kDa, this value must be added to the MW of each GST-fusion protein.

His-fusion soluble proteins large-scale purification.

A single colony was grown overnight at 37°C on a LB + Amp agar plate. The bacteria were inoculated into 20ml of LB+Amp liquid culture and incubated overnight in a water bath shaker. Bacteria were diluted 1:30 into 600ml fresh medium and allowed to grow at the optimal temperature (20-37°C) to OD₅₅₀ 0.6-0.8. Protein expression was induced by addition of 1 mM IPTG and the culture further incubated for three hours. The culture was centrifuged at 8000 rpm at 4°C, the supernatant was discarded and the bacterial pellet was resuspended in 7.5ml cold 10mM imidazole buffer (300 mM NaCl, 50 mM phosphate buffer, 10 mM imidazole, pH 8). The cells were disrupted by sonication on ice for 30 sec at 40W using a Branson sonifier B-15, frozen and thawed two times and centrifuged again. The supernatant was collected and mixed with 150µl Ni²⁺-resin (Pharmacia) (previously washed with 10mM imidazole buffer) and incubated at room temperature with gentle agitation for 30 minutes. The sample was centrifuged at 700g for 5 minutes at 4°C. The resin was washed twice with 10 ml cold 10mM imidazole buffer for 10 minutes, resuspended in 1ml cold 10mM imidazole buffer and loaded on a disposable column. The resin was washed at 4°C with 2ml cold 10mM imidazole buffer until the flow-through reached the O.D₂₈₀ of 0.02-0.06. The resin was washed with 2ml cold 20mM imidazole buffer (300 mM NaCl, 50 mM phosphate buffer, 20 mM imidazole, pH 8) until the flow-through reached the O.D₂₈₀ of 0.02-0.06. The His-fusion protein was eluted by addition of 700µl cold 250mM imidazole buffer (300 mM NaCl, 50 mM phosphate buffer, 250 mM imidazole, pH 8) and fractions collected until the O.D₂₈₀ was 0.1. 21µl of each fraction were loaded on a 12% SDS gel.

His-fusion insoluble proteins large-scale purification.

A single colony was grown overnight at 37 °C on a LB + Amp agar plate. The bacteria were inoculated into 20 ml of LB+Amp liquid culture in a water bath shaker and grown overnight. Bacteria were diluted 1:30 into 600ml fresh medium and let to grow at the optimal temperature (37°C) to O.D550 0.6-0.8. Protein expression was induced by addition of 1 mM IPTG and the culture further incubated for three hours. The culture was centrifuged at 8000rpm at 4°C. The supernatant was discarded and the bacterial pellet was resuspended in 7.5 ml buffer B (urea 8M, 10mM Tris-HCl, 100mM phosphate buffer, pH 8.8). The cells were disrupted by sonication on ice for 30 sec at 40W using a Branson sonifier B-15, frozen

and thawed twice and centrifuged again. The supernatant was stored at -20°C, while the pellets were resuspended in 2 ml guanidine buffer (6M guanidine hydrochloride, 100mM phosphate buffer, 10 mM Tris-HCl, pH 7.5) and treated in a homogenizer for 10 cycles. The product was centrifuged at 13000 rpm for 40 minutes. The supernatant was mixed with 150µl Ni²⁺-resin (Pharmacia) (previously washed with buffer B) and incubated at room temperature with gentle agitation for 30 minutes. The sample was centrifuged at 700 g for 5 minutes at 4°C. The resin was washed twice with 10 ml buffer B for 10 minutes, resuspended in 1ml buffer B, and loaded on a disposable column. The resin was washed at room temperature with 2ml buffer B until the flow-through reached the OD₂₈₀ of 0.02-0.06. The resin was washed with 2ml buffer C (urea 8M, 10mM Tris-HCl, 100mM phosphate buffer, pH 6.3) until the flow-through reached the O.D₂₈₀ of 0.02-0.06. The His-fusion protein was eluted by addition of 700µl elution buffer (urea 8M, 10mM Tris-HCl, 100mM phosphate buffer, pH 4.5) and fractions collected until the OD₂₈₀ was 0.1. 21µl of each fraction were loaded on a 12% SDS gel.

His-fusion proteins renaturation

10% glycerol was added to the denatured proteins. The proteins were then diluted to 20μg/ml using dialysis buffer I (10% glycerol, 0.5M arginine, 50mM phosphate buffer, 5mM reduced glutathione, 0.5mM oxidised glutathione, 2M urea, pH 8.8) and dialysed against the same buffer at 4°C for 12-14 hours. The protein was further dialysed against dialysis buffer II (10% glycerol, 0.5M arginine, 50mM phosphate buffer, 5mM reduced glutathione, 0.5mM oxidised glutathione, pH 8.8) for 12-14 hours at 4°C. Protein concentration was evaluated using the formula:

Protein (mg/ml) =
$$(1.55 \times OD_{280}) - (0.76 \times OD_{260})$$

Mice immunisations

20μg of each purified protein were used to immunise mice intraperitoneally. In the case of some ORFs, Balb-C mice were immunised with Al(OH)₃ as adjuvant on days 1, 21 and 42, and immune response was monitored in samples taken on day 56. For other ORFs, CD1 mice could be immunised using the same protocol. For other ORFs, CD1 mice could be immunised using Freund's adjuvant, and the same immunisation protocol was used, except that the immune response was measured on day 42, rather than 56. Similarly, for still other

ORFs, CD1 mice could be immunised with Freund's adjuvant, but the immune response was measured on day 49.

ELISA assay (sera analysis)

The acapsulated MenB M7 strain was plated on chocolate agar plates and incubated overnight at 37°C. Bacterial colonies were collected from the agar plates using a sterile dracon swab and inoculated into 7ml of Mueller-Hinton Broth (Difco) containing 0.25% Glucose. Bacterial growth was monitored every 30 minutes by following OD_{620} . The bacteria were let to grow until the OD reached the value of 0.3-0.4. The culture was centrifuged for 10 minutes at 10000 rpm. The supernatant was discarded and bacteria were washed once with PBS, resuspended in PBS containing 0.025% formaldehyde, and incubated for 2 hours at room temperature and then overnight at 4°C with stirring. 100µl bacterial cells were added to each well of a 96 well Greiner plate and incubated overnight at 4°C. The wells were then washed three times with PBT washing buffer (0.1% Tween-20 in PBS). 200 µl of saturation buffer (2.7% Polyvinylpyrrolidone 10 in water) was added to each well and the plates incubated for 2 hours at 37°C. Wells were washed three times with PBT. 200 µl of diluted sera (Dilution buffer: 1% BSA, 0.1% Tween-20, 0.1% NaN3 in PBS) were added to each well and the plates incubated for 90 minutes at 37°C. Wells were washed three times with PBT. 100 µl of HRP-conjugated rabbit anti-mouse (Dako) serum diluted 1:2000 in dilution buffer were added to each well and the plates were incubated for 90 minutes at 37°C. Wells were washed three times with PBT buffer. 100 µl of substrate buffer for HRP (25 ml of citrate buffer pH5, 10 mg of O-phenildiamine and 10 µl of H2O) were added to each well and the plates were left at room temperature for 20 minutes. 100 µl H₂SO₄ was added to each well and OD₄₉₀ was followed. The ELISA was considered positive when OD490 was 2.5 times the respective pre-immune sera.

FACScan bacteria Binding Assay procedure.

The acapsulated MenB M7 strain was plated on chocolate agar plates and incubated overnight at 37°C. Bacterial colonies were collected from the agar plates using a sterile dracon swab and inoculated into 4 tubes containing 8ml each Mueller-Hinton Broth (Difco) containing 0.25% glucose. Bacterial growth was monitored every 30 minutes by following

OD₆₂₀. The bacteria were let to grow until the OD reached the value of 0.35-0.5. The culture was centrifuged for 10 minutes at 4000 rpm. The supernatant was discarded and the pellet was resuspended in blocking buffer (1% BSA, 0.4% NaN₃) and centrifuged for 5 minutes at 4000 rpm. Cells were resuspended in blocking buffer to reach OD₆₂₀ of 0.07. 100μl bacterial cells were added to each well of a Costar 96 well plate. 100μl of diluted (1:200) sera (in blocking buffer) were added to each well and plates incubated for 2 hours at 4°C. Cells were centrifuged for 5 minutes at 4000 rpm, the supernatant aspirated and cells washed by addition of 200μl/well of blocking buffer in each well. 100μl of R-Phicoerytrin conjugated F(ab)₂ goat anti-mouse, diluted 1:100, was added to each well and plates incubated for 1 hour at 4°C. Cells were spun down by centrifugation at 4000rpm for 5 minutes and washed by addition of 200μl/well of blocking buffer. The supernatant was aspirated and cells resuspended in 200μl/well of PBS, 0.25% formaldehyde. Samples were transferred to FACScan tubes and read. The condition for FACScan setting were: FL1 on, FL2 and FL3 off; FSC-H Treshold:92; FSC PMT Voltage: E 02; SSC PMT: 474; Amp. Gains 7.1; FL-2 PMT: 539. Compensation values: 0.

OMV preparations

Bacteria were grown overnight on 5 GC plates, harvested with a loop and resuspended in 10 ml 20mM Tris-HCl. Heat inactivation was performed at 56°C for 30 minutes and the bacteria disrupted by sonication for 10' on ice (50% duty cycle, 50% output). Unbroken cells were removed by centrifugation at 5000g for 10 minutes and the total cell envelope fraction recovered by centrifugation at 50000g at 4°C for 75 minutes. To extract cytoplasmic membrane proteins from the crude outer membranes, the whole fraction was resuspended in 2% sarkosyl (Sigma) and incubated at room temperature for 20 minutes. The suspension was centrifuged at 10000g for 10 minutes to remove aggregates, and the supernatant further ultracentrifuged at 50000g for 75 minutes to pellet the outer membranes. The outer membranes were resuspended in 10mM Tris-HCl, pH8 and the protein concentration measured by the Bio-Rad Protein assay, using BSA as a standard.

Whole Extracts preparation

Bacteria were grown overnight on a GC plate, harvested with a loop and resuspended in 1ml of 20mM Tris-HCl. Heat inactivation was performed at 56°C for 30' minutes.

Western blotting

Purified proteins (500ng/lane), outer membrane vesicles (5 μg) and total cell extracts (25μg) derived from MenB strain 2996 were loaded on 15% SDS-PAGE and transferred to a nitrocellulose membrane. The transfer was performed for 2 hours at 150mA at 4°C, in transferring buffer (0.3 % Tris base, 1.44 % glycine, 20% methanol). The membrane was saturated by overnight incubation at 4°C in saturation buffer (10% skimmed milk, 0.1% Triton X100 in PBS). The membrane was washed twice with washing buffer (3% skimmed milk, 0.1% Triton X100 in PBS) and incubated for 2 hours at 37°C with 1:200 mice sera diluted in washing buffer. The membrane was washed twice and incubated for 90 minutes with a 1:2000 dilution of horseradish peroxidase labeled anti-mouse Ig. The membrane was washed twice with 0.1% Triton X100 in PBS and developed with the Opti-4CN Substrate Kit (Bio-Rad). The reaction was stopped by adding water.

Bactericidal assay

MC58 strain was grown overnight at 37°C on chocolate agar plates. 5-7 colonies were collected and used to inoculate 7ml Mueller-Hinton broth. The suspension was incubated at 37°C on a nutator and let to grow until OD₆₂₀ was in between 0.5-0.8. The culture was aliquoted into sterile 1.5ml Eppendorf tubes and centrifuged for 20 minutes at maximum speed in a microfuge. The pellet was washed once in Gey's buffer (Gibco) and resuspended in the same buffer to an OD₆₂₀ of 0.5, diluted 1:20000 in Gey's buffer and stored at 25°C.

50µl of Gey's buffer/1% BSA was added to each well of a 96-well tissue culture plate. 25µl of diluted (1:100) mice sera (dilution buffer: Gey's buffer/0.2% BSA) were added to each well and the plate incubated at 4°C. 25µl of the previously described bacterial suspension were added to each well. 25µl of either heat-inactivated (56°C waterbath for 30 minutes) or normal baby rabbit complement were added to each well. Immediately after the addition of the baby rabbit complement, 22µl of each sample/well were plated on Mueller-

Hinton agar plates (time 0). The 96-well plate was incubated for 1 hour at 37°C with rotation and then 22µl of each sample/well were plated on Mueller-Hinton agar plates (time 1). After overnight incubation the colonies corresponding to time 0 and time 1h were counted.

The following DNA and amino acid sequences are identified by titles of the following form: [g, m, or a] [#].[seq or pep], where "g" means a sequence from N. gonorrhoeae, "m" means a sequence from N. meningitidis B, and "a" means a sequence from N. meningitidis A; "#" means the number of the sequence; "seq" means a DNA sequence, and "pep" means an amino acid sequence. For example, "g001.seq" refers to an N. gonorrohoeae DNA sequence, number 1. The presence of the suffix "-1" or "-2" to these sequences indicates an additional sequence found for the same ORF. Further, open reading frames are identified as ORF #, where "#" means the number of the ORF, corresponding to the number of the sequence which encodes the ORF, and the ORF designations may be suffixed with ".ng" or ".a", indicating that the ORF corresponds to a N. gonorrhoeae sequence or a N. meningitidis A sequence, respectively. Computer analysis was performed for the comparisons that follow between "g", "m", and "a" peptide sequences; and therein the "pep" suffix is implied where not expressly stated.

EXAMPLE 1

The following ORFs were predicted from the contig sequences and/or the full length sequences using the methods herein described.

Localization of the ORFs

ORF:

contig:

279

gnm4.seq

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 2>: m279.seq

- 1 ATAACGCGGA TTTGCGGCTG CTTGATTTCA ACGGTTTTCA GGGCTTCGGC
- 51 AAGTTTGTCG GCGGCGGGTT TCATCAGGCT GCAATGGGAA GGTACGGACA
- 101 CGGGCAGCGG CAGGGCGCGT TTGGCACCGG CTTCTTTGGC GGCAGCCATG
- 151 GCGCGTCCGA CGGCGGCGGC GTTGCCTGCA ATCACGATTT GTCCGGGTGA
- 201 GTTGAAGTTG ACGGCTTCGA CCACTTCGCT TTGGGCGGCT TCGGCACAAA
- 251 TGGCTTTAAC CTGCTCATCT TCCAAGCCGA GAATCGCCGC CATTGCGCCC
- 301 ACGCCTTGCG GTACGGCGGA CTGCATCAGT TCGGCGCGCA GGCGCACGAG
- 351 TTTGACCGCG TCGGCAAAAT TCAATGCGCC GGCGGCAACG AGTGCGGTGT
- 401 ATTCGCCGAG GCTGTGTCCG GCAACGGCGG CAGGCGTTTT GCCGCCCGCT
- 451 TCTAAATAG

```
This corresponds to the amino acid sequence <SEQ ID 3; ORF 279>:
         ITRICGCLIS TVFRASASLS AAGFIRLOWE GTDTGSGRAR LAPASLAAAM
         ARPTAAALPA ITICPGELKL TASTTSLWAA SAQMALTCSS SKPRIAAIAP
      51
         TPCGTADCIS SARRRTSLTA SAKFNAPAAT SAVYSPRLCP ATAAGVLPPA
     101
     151 SK*
The following partial DNA sequence was identified in N.gonorrhoeae <SEQ ID 4>:
          atgacgcgga tttgcggctg cttgatttca acggttttga gtgtttcggc
         aagtttgtcg gcggcgggtt tcatcaggct gcaatgggaa ggaacggata
      51
     101 ccggcagcgg cagggcgcgt ttggctccgg cttctttggc ggcagccatg
     151' gtgcgtccga cggcggcggc gttgcctgca atcacgactt gtccgggcga
     201 gttgaagttg acggcttcga ccacttcgcc ctgtgcggat tcggcacaaa
     251 tetgeetgae etgtteatet tecaaaceca aaatggeege cattgegeet
     301 acgccttgcg gtacggcgga ctgcatcagt tcggcgcgca ggcggacgag.
     351 tttgacggca tcggcaaaat ccaatgcttc ggcggcgaca agcgcggtgt
     401 attcgccgag gctgtgtccg gcaacggcgg caggcgtttt gccgcccact
     451 tccaaatag
This corresponds to the amino acid sequence <SEQ ID 5; ORF 279.ng>:
q279.pep
          MTRICGCLIS TVLSVSASLS AAGFIRLOWE GTDTGSGRAR LAPASLAAAM
          VRPTAAALPA ITTCPGELKL TASTTSPCAD SAQICLTCSS SKPKMAALAP
      51
          TPCGTADCIS SARRRISLTA SAKSNASAAT SAVYSPRLCP ATAAGVLPPT
     101
          SK*
ORF 279 shows 89.5% identity over a 152 aa overlap with a predicted ORF (ORF 279.ng)
from N. gonorrhoeae:
                              . 20
                                        30
             ITRICGCLISTVFRASASLSAAGFIRLQWEGTDTGSGRARLAPASLAAAMARPTAAALPA
m279.pep
             mtri cgclistvlsvsaslsaagfirlqwegtdtgsgrarlapaslaaamvrptaaalpa
 q279
                                                  40
                                        30
                     10
                               20
                                                                    120
                                                 100
                               80
                                        90
                     70
             ITICPGELKLTASTTSLWAASAQMALTCSSSKPRIAAIAPTPCGTADCISSARRRTSLTA
 m279.pep
             ITTCPGELKLTASTTSPCADSAQICLTCSSSKPKMAAIAPTPCGTADCISSARRRTSLTA
 g279
                     70
                               80
                                        90
                                                 100
                    130
                              140
             SAKFNAPAATSAVYSPRLCPATAAGVLPPASKX
 m279.pep
              111 11 11 11111111111111111111111111
             SAKSNASAATSAVYSPRLCPATAAGVLPPTSKX
 q279
                    130
 The following partial DNA sequence was identified in N. meningitidis <SEQ ID 6>:
      a279.seq
                ATGACNONGA TITGOGGCTG CTTGATTTCA ACGGTTTNNA GGGCTTCGGC
                GAGTTTGTCG GCGGCGGTT TCATGAGGCT GCAATGGGAA GGTACNGACA
                CNGGCAGCGG CAGGGCGCGT TTGGCGCCGG CTTCTTTGGC GGCAAGCATA
           101
                GCGCGCTCGA CGGCGGCGGC ATTGCCTGCA ATCACGACTT GTCCGGGCGA
           151
               GTTGAAGTTG ACGGCTTCAA CCACTTCATC CTGTGCGGAT TCGGCGCAAA
           201
                TTTGTTTTAC CTGTTCATCT TCCAAGCCGA GAATCGCCGC CATTGCGCCC
           301 ACGCCTTGCG GTACGGCGGA CTGCATCAGT TCGGCGCGCA NGCGCACGAG
```

351 TTTGACCGCG TCGGCAAAAT CCAATGCGCC GGCGGCAACN AGTGCGGTGT

```
401
             ATTCGCCGAN GCTGTGTCCG GCAACGGCGG CAGGCGTTTT GCCGCCCGCT
          451
              TCCGAATAG
This corresponds to the amino acid sequence <SEO ID 7; ORF 279.a>:
     a279.pep
              MTXICGCLIS TVXRASASLS AAGFMRLQWE GTDTGSGRAR LAPASLAASI
              ARSTAAALPA ITTCPGELKL TASTTSSCAD SAQICFTCSS SKPRIAAIAP
           51
              TPCGTADCIS SARXRTSLTA SAKSNAPAAT SAVYSPXLCP ATAAGVLPPA
          101
          151
              SE*
m279/a279 ORFs 279 and 279.a showed a 88.2% identity in 152 aa overlap
                                  20
                         10
                                            30
                                                     40
    m279.pep
                 ITRICGCLISTVFRASASLSAAGFIRLQWEGTDTGSGRARLAPASLAAAMARPTAAALPA
                 a279
                 MTXICGCLISTVXRASASLSAAGFMRLQWEGTDTGSGRARLAPASLAASIARSTAAALPA
                                  20
                                            30
                                                  . 40
                         70
                                   80
                                            90
                                                     100
                 ITICPGELKLTASTTSLWAASAQMALTCSSSKPRIAAIAPTPCGTADCISSARRRTSLTA
    m279.pep
                 a279
                 ITTCPGELKLTASTTSSCADSAQICFTCSSSKPRIAAIAPTPCGTADCISSARXRTSLTA
                         70
                                  80
                                           . 90
                                                     100
                                                              110
                        130
                                  140
                                           150
     m279.pep
                 SAKFNAPAATSAVYSPRLCPATAAGVLPPASKX
                  a279
                  SAKSNAPAATSAVYSPXLCPATAAGVLPPASEX
                        130
                                 140
                                           150
519 and 519-1
                   gnm7.seq
The following partial DNA sequence was identified in N. meningitidis <SEQ ID 8>:
     m519.seq
               (partial)
               ..TCCGTTATCG GGCGTATGGA GTTGGACAAA ACGTTTGAAG AACGCGACGA
           1
                AATCAACAGT ACTGTTGTTG CGGCTTTGGA CGAGGCGGCC GGGGCTTGGG
          51
          101
                GTGTGAAGGT TTTGCGTTAT GAGATTAAAG ACTTGGTTCC GCCGCAAGAA
          151
                ATCCTTCGCT CAATGCAGGC GCAAATTACT GCCGAACGCG AAAAACGCGC
                CCGTATCGCC GAATCCGAAG GTCGTAAAAT CGAACAAATC AACCTTGCCA
          201
          251
                GTGGTCAGCG CGAAGCCGAA ATCCAACAAT CCGAAGGCGA GGCTCAGGCT
          301
                GCGGTCAATG CGTCAAATGC CGAGAAAATC GCCCGCATCA ACCGCGCCAA
          351
                AGGTGAAGCG GAATCCTTGC GCCTTGTTGC CGAAGCCAAT GCCGAAGCCA
          401
                TCCGTCAAAT TGCCGCCGCC CTTCAAACCC AAGGCGGTGC GGATGCGGTC
          451
                AATCTGAAGA TTGCGGAACA ATACGTCGCT GCGTTCAACA ATCTTGCCAA
          501
                AGAAAGCAAT ACGCTGATTA TGCCCGCCAA TGTTGCCGAC ATCGGCAGCC
          551
                TGATTTCTGC CGGTATGAAA ATTATCGACA GCAGCAAAAC CGCCAAATAA
This corresponds to the amino acid sequence <SEQ ID 9; ORF 519>:
     m519.pep
               (partial)
               ..SVIGRMELDK TFEERDEINS TVVAALDEAA GAWGVKVLRY EIKDLVPPQE
           ı
           51
                ILRSMQAQIT AEREKRARIA ESEGRKIEQI NLASGQREAE IQOSEGEAOA
          101
                AVNASNAEKI ARINRAKGEA ESLRLVAEAN AEAIRQIAAA LOTOGGADAV
          151
                NLKIAEQYVA AFNNLAKESN TLIMPANVAD IGSLISAGMK IIDSSKTAK*
The following partial DNA sequence was identified in N. gonorrhoeae <SEQ ID 10>:
     g519.seq
              atggaatttt tcattatctt gttggcagcc gtcgccgttt tcggcttcaa
```

atcettigte gteatecece ageaggaagt ceaegttgte gaaaggeteg

```
101 ggcgtttcca tcgcgccctg acggccggtt tgaatatttt gattcccttt
     atcgaccgcg tcgcctaccg ccattcgctg aaagaaatcc ctttagacgt
     acccagccag gtctgcatca cgcgcgataa tacgcaattg actgttgacg
201
     quatcateta titecaagta accgatecca aactegeete atacggtteg
251
     agcaactaca ttatggcaat tacccagctt gcccaaacga cgctgcgttc
301
     cqttatcggg cgtatggagt tggacaaaac gtttgaagaa cgcgacgaaa
351
     tcaacagtac cgtcgtctcc gccctcgatg aagccgccgg ggcttggggt
401
     qtgaaagtcc tccgttacga aatcaaggat ttggttccgc cgcaagaaat
451
501
     ccttcqcqca atgcaggcac aaattaccqc cgaacqcqaa aaacqcqccc
     qtattqccga atccgaaggc cgtaaaatcg aacaaatcaa ccttgccagt
551
     qqtcaqcqtq aagccqaaat ccaacaatcc gaaggcgagg ctcaggctgc
601
     ggtcaatgcg tccaatgccg agaaaatcgc ccgcatcaac cgcgccaaag
651
     gcgaagcgga atccctgcgc cttgttgccg aagccaatgc cgaagccaac
701
     cgtcaaattg ccgccgccct tcaaacccaa agcggggcgg atgcggtcaa
     tctgaagatt gcgggacaat acgttaccgc gttcaaaaat cttgccaaag
     aagacaatac gcggattaag cccgccaagg ttgccgaaat cgggaaccct
     aattttcggc ggcatgaaaa attttcgcca gaagcaaaaa cggccaaata
951
```

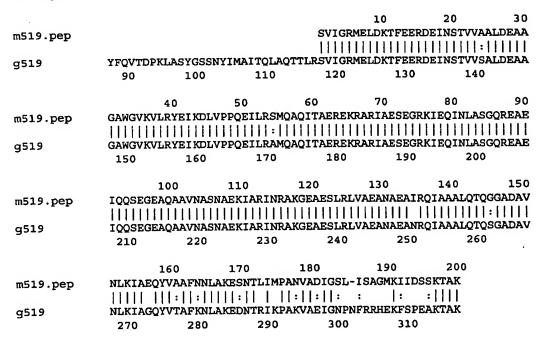
This corresponds to the amino acid sequence <SEQ ID 11; ORF 519.ng>:

```
g519.pep
```

```
MEFFIILLAA VAVFGFKSFV VIPQQEVHVV ERLGRFHRAL TAGLNILIPF
  1
     IDRVAYRHSL KEIPLDVPSQ VCITRDNTQL TVDGIIYFQV TDPKLASYGS
 51
     SNYIMAITQL AQTTLRSVIG RMELDKTFEE RDEINSTVVS ALDEAAGAWG
101
     VKVLRYEIKD LVPPQEILRA MQAQITAERE KRARIAESEG RKIEQINLAS
151
     GOREAEIQOS EGEAQAAVNA SNAEKIARIN RAKGEAESLR LVAEANAEAN
201
     RQIAAALQTQ SGADAVNLKI AGQYVTAFKN LAKEDNTRIK PAKVAEIGNP
251
    NFRRHEKFSP EAKTAK*
```

ORF 519 shows 87.5% identity over a 200 aa overlap with a predicted ORF (ORF 519.ng) from N. gonorrhoeae:

m519/g519



The following partial DNA sequence was identified in N. meningitidis <SEQ ID 12>: a519.seq

```
ATGGAATTTT TCATTATCTT GCTGGCAGCC GTCGTTGTTT TCGGCTTCAA
              ATCCTTTGTT GTCATCCCAC AGCAGGAAGT CCACGTTGTC GAAAGGCTCG
          51
              GGCGTTTCCA TCGCGCCCTG ACGGCCGGTT TGAATATTTT GATTCCCTTT
         101
              ATCGACCGCG TCGCCTACCG CCATTCGCTG AAAGAAATCC CTTTAGACGT
              ACCCAGCCAG GTCTGCATCA CGCGCGACAA TACGCAGCTG ACTGTTGACG
              GTATCATCTA TTTCCAAGTA ACCGACCCCA AACTCGCCTC ATACGGTTCG
              AGCAACTACA TTATGGCGAT TACCCAGCTT GCCCAAACGA CGCTGCGTTC
         301
         351
              CGTTATCGGG CGTATGGAAT TGGACAAAAC GTTTGAAGAA CGCGACGAAA
              TCAACAGCAC CGTCGTCTCC GCCCTCGATG AAGCCGCCGG AGCTTGGGGT
              GTGAAGGTTT TGCGTTATGA GATTAAAGAC TTGGTTCCGC CGCAAGAAAT
         451
              CCTTCGCTCA ATGCAGGCGC AAATTACTGC TGAACGCGAA AAACGCGCCC
         501
         551
              GTATCGCCGA ATCCGAAGGT CGTAAAATCG AACAAATCAA CCTTGCCAGT
              GGTCAGCGCG AAGCCGAAAT CCAACAATCC GAAGGCGAGG CTCAGGCTGC
         651
              GGTCAATGCG TCAAATGCCG AGAAAATCGC CCGCATCAAC CGCGCCAAAG
         701
              GTGAAGCGGA ATCCTTGCGC CTTGTTGCCG AAGCCAATGC CGAAGCCATC
              CGTCAAATTG CCGCCGCCCT TCAAACCCAA GGCGGTGCGG ATGCGGTCAA
         751
              TCTGAAGATT GCGGAACAAT ACGTCGCCGC GTTCAACAAT CTTGCCAAAG
         801
              AAAGCAATAC GCTGATTATG CCCGCCAATG TTGCCGACAT CGGCAGCCTG
         851
         901 ATTTCTGCCG GTATGAAAAT TATCGACAGC AGCAAAACCG CCAAATAA
This corresponds to the amino acid sequence <SEQ ID 13; ORF 519.a>:
    a519.pep
              MEFFIILLAA VVVFGFKSFV VIPQQEVHVV ERLGRFHRAL TAGLNILIPF
          51
              IDRVAYRHSL KEIPLDVPSQ VCITRDNTQL TVDGIIYFQV TDPKLASYGS
         101
              SNYIMAITQL AQTTLRSVIG RMELDKTFEE RDEINSTVVS ALDEAAGAWG
              VKVLRYEIKD LVPPQEILRS MQAQITAERE KRARIAESEG RKIEQINLAS
         151
              GOREAEIQOS EGEAQAAVNA SNAEKIARIN RAKGEAESLR LVAEANAEAI
         251
              RQIAAALQTQ GGADAVNLKI AEQYVAAFNN LAKESNTLIM PANVADIGSL
              ISAGMKIIDS SKTAK*
         301
    m519/a519
                 ORFs 519 and 519.a showed a 99.5% identity in 199 aa overlap
                                                     10
                                                              20
    m519.pep
                                             SVIGRMELDKTFEERDEINSTVVAALDEAA
                                             YFQVTDPKLASYGSSNYIMAITQLAQTTLRSVIGRMELDKTFEERDEINSTVVSALDEAA
     a519
                   90
                           100
                                              120
                                                       130
                                                                 140
                        40
                                  50
                                           60
                                                     70
                 GAWGVKVLRYEIKDLVPPQEILRSMQAQITAEREKRARIAESEGRKIEQINLASGQREAE
    m519.pep
                 a519
                 GAWGVKVLRYEIKDLVPPQEILRSMQAQITAEREKRARIAESEGRKIEQINLASGQREAE
                  150
                           160
                                    170
                                              180
                                                       190
                                                                 200
                       100
                                 110
                                          120
                                                   130
                 IQQSEGEAQAAVNASNAEKIARINRAKGEAESLRLVAEANAEAIRQIAAALQTQGGADAV
    m519.pep
                 IQQSEGEAQAAVNASNAEKIARINRAKGEAESLRLVAEANAEAIRQIAAALQTQGGADAV
     a519
                  210
                           220
                                    230
                                              240
                                                       250
                       160
                                 170
                                          180
                                                   190
                 NLKIAEQYVAAFNNLAKESNTLIMPANVADIGSLISAGMKIIDSSKTAKX
     m519.pep
                 NLKIAEQYVAAFNNLAKESNTLIMPANVADIGSLISAGMKIIDSSKTAKX
     a519
                  270
                           280
                                    290
                                              300
```

Further work revealed the following DNA sequence identified in N. meningitidis <SEQ ID 14>:

m519-1.seq

```
1 ATGGAATTTT TCATTATCTT GTTGGTAGCC GTCGCCGTTT TCGGTTTCAA
51 ATCCTTTGTT GTCATCCCAC AACAGGAAGT CCACGTTGTC GAAAGGCTGG
101 GGCGTTTCCA TCGCGCCCTG ACGGCCGGTT TGAATATTTT GATTCCCTTT
151 ATCGACCGCG TCGCCTACCG CCATTCGCTG AAAGAAATCC CTTTAGACGT
201 ACCCAGCCAG GTCTGCATCA CGCGCGACAA TACGCAGCTG ACTGTTGACG
    GCATCATCTA TTTCCAAGTA ACCGACCCCA AACTCGCCTC ATACGGTTCG
301 AGCAACTACA TTATGGCGAT TACCCAGCTT GCCCAAACGA CGCTGCGTTC
351 CGTTATCGGG CGTATGGAGT TGGACAAAAC GTTTGAAGAA CGCGACGAAA
401 TCAACAGTAC TGTTGTTGCG GCTTTGGACG AGGCGGCCGG GGCTTGGGGT
451 GTGAAGGTTT TGCGTTATGA GATTAAAGAC TTGGTTCCGC CGCAAGAAAT
501 CCTTCGCTCA ATGCAGGCGC AAATTACTGC CGAACGCGAA AAACGCGCCC
551 GTATCGCCGA ATCCGAAGGT CGTAAAATCG AACAAATCAA CCTTGCCAGT
601 GGTCAGCGCG AAGCCGAAAT CCAACAATCC GAAGGCGAGG CTCAGGCTGC
    GGTCAATGCG TCAAATGCCG AGAAAATCGC CCGCATCAAC CGCGCCAAAG
701 GTGAAGCGGA ATCCTTGCGC CTTGTTGCCG AAGCCAATGC CGAAGCCATC
751 CGTCAAATTG CCGCCGCCCT TCAAACCCAA GGCGGTGCGG ATGCGGTCAA
801 TCTGAAGATT GCGGAACAAT ACGTCGCTGC GTTCAACAAT CTTGCCAAAG
851 AAAGCAATAC GCTGATTATG CCCGCCAATG TTGCCGACAT CGGCAGCCTG
901 ATTTCTGCCG GTATGAAAAT TATCGACAGC AGCAAAACCG CCAAATAA
```

This corresponds to the amino acid sequence <SEQ ID 15; ORF 519-1>: m519-1.

```
1 MEFFIILVA VAVFGFKSFV VIPQQEVHVV ERLGRFHRAL TAGLNILIPF
51 IDRVAYRHSL KEIPLDVPSQ VCITRDNTQL TVDGIIYFQV TDPKLASYGS
101 SNYIMAITQL AQTTLRSVIG RMELDKTFEE RDEINSTVVA ALDEAAGAWG
151 VKVLRYEIKD LVPPQEILRS MQAQITAERE KRARIAESEG RKIEQINLAS
201 GQREAEIQQS EGEAQAAVNA SNAEKIARIN RAKGEAESLR LVAEANAEAI
251 RQIAAALQTQ GGADAVNLKI AEQYVAAFNN LAKESNTLIM PANVADIGSL
301 ISAGMKIIDS SKTAK*
```

The following DNA sequence was identified in N. gonorrhoeae <SEQ ID 16>: q519-1.seq

```
1 ATGGAATTTT TCATTATCTT GTTGGCAGCC GTCGCCGTTT TCGGCTTCAA
51 ATCCTTTGTC GTCATCCCCC AGCAGGAAGT CCACGTTGTC GAAAGGCTCG
    GGCGTTTCCA TCGCGCCCTG ACGGCCGGTT TGAATATTTT GATTCCCTTT
151 ATCGACCGCG TCGCCTACCG CCATTCGCTG AAAGAAATCC CTTTAGACGT
201 ACCCAGCCAG GTCTGCATCA CGCGCGATAA TACGCAATTG ACTGTTGACG
251 GCATCATCTA TTTCCAAGTA ACCGATCCCA AACTCGCCTC ATACGGTTCG
301 AGCAACTACA TTATGGCAAT TACCCAGCTT GCCCAAACGA CGCTGCGTTC
351 CGTTATCGGG CGTATGGAGT TGGACAAAAC GTTTGAAGAA CGCGACGAAA
    TCAACAGTAC CGTCGTCTCC GCCCTCGATG AAGCCGCCGG GGCTTGGGGT
451 GTGAAAGTCC TCCGTTACGA AATCAAGGAT TTGGTTCCGC CGCAAGAAAT
501 CCTTCGCGCA ATGCAGGCAC AAATTACCGC CGAACGCGAA AAACGCGCCC
551 GTATTGCCGA ATCCGAAGGC CGTAAAATCG AACAAATCAA CCTTGCCAGT
601 GGTCAGCGTG AAGCCGAAAT CCAACAATCC GAAGGCGAGG CTCAGGCTGC
651 GGTCAATGCG TCCAATGCCG AGAAAATCGC CCGCATCAAC CGCGCCAAAG
701 GCGAAGCGGA ATCCCTGCGC CTTGTTGCCG AAGCCAATGC CGAAGCCATC
TCTGAAGATT GCGGAACAAT ACGTAGCCGC GTTCAACAAT CTTGCCAAAG
851 AAAGCAATAC GCTGATTATG CCCGCCAATG TTGCCGACAT CGGCAGCCTG
901 ATTTCTGCCG GCATGAAAAT TATCGACAGC AGCAAAACCG CCAAATAA
```

This corresponds to the amino acid sequence <SEQ ID 17; ORF 519-1.ng>: g519-1.pep

1 MEFFIILLAA VAVFGFKSFV VIPQQEVHVV ERLGRFHRAL TAGLNILIPF
51 IDRVAYRHSL KEIPLDVPSQ VCITRDNTQL TVDGIIYFQV TDPKLASYGS
101 SNYIMAITQL AQTTLRSVIG RMELDKTFEE RDEINSTVVS ALDEAAGAWG
151 VKVLRYEIKD LVPPQEILRA MQAQITAERE KRARIAESEG RKIEQINLAS
201 GQREAEIQQS EGEAQAAVNA SNAEKIARIN RAKGEAESLR LVAEANAEAI
251 RQIAAALQTQ GGADAVNLKI AEQYVAAFNN LAKESNTLIM PANVADIGSL
301 ISAGMKIIDS SKTAK*

```
m519-1/g519-1 ORFs 519-1 and 519-1.ng showed a 99.0% identity in 315 aa
overlap
                 10
                          20
                                  30
                                          40
                                                  50
           MEFFIILLAAVAVFGFKSFVVIPQQEVHVVERLGRFHRALTAGLNILIPFIDRVAYRHSL
g519-1.pep
           MEFFIILLVAVAVFGFKSFVVIPQQEVHVVERLGRFHRALTAGLNILIPFIDRVAYRHSL
m519-1
                 10
                         20
                                  30
                 70
                         80
                                  90
                                         100
                                                 110
                                                          120
g519-1.pep
           KEIPLDVPSQVCITRDNTQLTVDGIIYFQVTDPKLASYGSSNYIMAITQLAQTTLRSVIG
           KEIPLDVPSQVCITRDNTQLTVDGIIYFQVTDPKLASYGSSNYIMAITQLAQTTLRSVIG
m519-1
                 70
                         80
                                  90
                                         100
                                                 110
                                                         120
                130
                        140
                                 150
                                        160
                                                 170
                                                          180
           RMELDKTFEERDEINSTVVSALDEAAGAWGVKVLRYEIKDLVPPQEILRAMQAQITAERE
g519-1.pep
           RMELDKTFEERDEINSTVVAALDEAAGAWGVKVLRYEIKDLVPPQEILRSMQAQITAERE
m519-1
                130
                         140
                                 150
                                         160
                                                 170
                190
                         200
                                 210
                                         220
                                                 230 I
                                                         240
           KRARIAESEGRKIEQINLASGQREAEIQQSEGEAQAAVNASNAEKIARINRAKGEAESLR
g519-1.pep
           KRARIAESEGRKIEQINLASGQREAEIQQSEGEAQAAVNASNAEKIARINRAKGEAESLR
m519-1
                190
                         200
                                 210
                                                 230
                                                         240
                250
                         260
                                 270
                                         280
                                                 290
                                                         300
           LVAEANAEAIRQIAAALQTQGGADAVNLKIAEQYVAAFNNLAKESNTLIMPANVADIGSL
g519-1.pep
           *************************
           LVAEANAEAIRQIAAALQTQGGADAVNLKIAEQYVAAFNNLAKESNTLIMPANVADIGSL
m519-1
                250
                         260
                                 270
                                         280
                                                 290
                                                         300
                310
g519-1.pep
           ISAGMKIIDSSKTAKX
           1:11:1:11:11:11:11
m519-1
           ISAGMKIIDSSKTAKX
                310
a519-1.seq
```

The following DNA sequence was identified in N. meningitidis <SEQ ID 18>:

1	ATGGAATTTT	TCATTATCTT	GCTGGCAGCC	GTCGTTGTTT	TCGGCTTCAA
51	ATCCTTTGTT	GTCATCCCAC	AGCAGGAAGT	CCACGTTGTC	GAAAGGCTCG
101		TCGCGCCCTG		TGAATATTTT	GATTCCCTTT
151	ATCGACCGCG	TCGCCTACCG	CCATTCGCTG	AAAGAAATCC	CTTTAGACGT
201	ACCCAGCCAG	GTCTGCATCA	CGCGCGACAA	TACGCAGCTG	ACTGTTGACG
251	GTATCATCTA	TTTCCAAGTA	ACCGACCCCA	AACTCGCCTC	ATACGGTTCG
301	AGCAACTACA	TTATGGCGAT	TACCCAGCTT	GCCCAAACGA	CGCTGCGTTC
351	CGTTATCGGG	CGTATGGAAT	TGGACAAAAC	GTTTGAAGAA	CGCGACGAAA
401	TCAACAGCAC	CGTCGTCTCC	GCCCTCGATG	AAGCCGCCGG	AGCTTGGGGT
451	GTGAAGGTTT		GATTAAAGAC	TTGGTTCCGC	CGCAAGAAAT
501	CCTTCGCTCA	ATGCAGGCGC	AAATTACTGC	TGAACGCGAA	AAACGCGCCC
551		ATCCGAAGGT		AACAAATCAA	
601	GGTCAGCGCG	AAGCCGAAAT	CCAACAATCC	GAAGGCGAGG	CTCAGGCTGC
651	GGTCAATGCG	TCAAATGCCG	AGAAAATCGC	CCGCATCAAC	CGCGCCAAAG
701	GTGAAGCGGA	ATCCTTGCGC		AAGCCAATGC	
751	CGTCAAATTG	CCGCCGCCCT		GGCGGTGCGG	ATGCGGTCAA
801	TCTGAAGATT	GCGGAACAAT	ACGTCGCCGC	GTTCAACAAT	CTTGCCAAAG
851	AAAGCAATAC	GCTGATTATG	CCCGCCAATG	TTGCCGACAT	CGGCAGCCTG
901	ATTTCTGCCG	GTATGAAAAT	TATCGACAGC	AGCAAAACCG	CCAAATAA

- 76 -

This corresponds to the amino acid sequence <SEQ ID 19; ORF 519-1.a>:

```
a519-1.pep.
       1 MEFFIILLAA VVVFGFKSFV VIPQQEVHVV ERLGRFHRAL TAGLNILIPF
      51 IDRVAYRHSL KEIPLDVPSQ VCITRDNTQL TVDGIIYFQV TDPKLASYGS
     101 SNYIMAITQL AQTTLRSVIG RMELDKTFEE RDEINSTVVS ALDEAAGAWG
```

151 VKVLRYEIKD LVPPQEILRS MQAQITAERE KRARIAESEG RKIEQINLAS 201 GQREAEIQQS EGEAQAAVNA SNAEKIARIN RAKGEAESLR LVAEANAEAI

RQIAAALQTQ GGADAVNLKI AEQYVAAFNN LAKESNTLIM PANVADIGSL

301 ISAGMKIIDS SKTAK*

ORFs 519-1 and 519-1.a showed a 99.0% identity in 315 aa m519-1/a519-1 overlap

	10	20	30	40	50	60
a519-1.pep	MEFFIILLAAVVVFGF	KSFVVIPOOE	VHVVERLGRF	IRALTAGLNI	LIPFIDRVAY	RHSL
	1111111111:11:1111		11111111111	13111111111	111111111111	1111
m519-1	MEFFIILLVAVAVFGF	KSFVVIPQQE	VHVVERLGRF	IRALTAGLNI	LIPFIDRVAY	RHSL
	10	20	30	40	50	60
	70	80	90	100	110	120
a519-1.pep	KEIPLDVPSQVCITRD	NTQLTVDGII	YFQVTDPKLAS	SYGSSNYIMA	ITQLAQTTLR	SVIG
		1111111111		1111111111	Шиши	1111
m519-1	KEIPLDVPSQVCITRD	NTQLTVDGII	YFQVTDPKLA:	SYGSSNYIMA	ITQLAQTTLR	SVIG
	70	80	90	100	110	120
·	130	140	150	160	170	180
a519-1.pep	RMELDKT FEERDEINS'					
m519-1	RMELDKTFEERDEINS'					
	130	140	150	160	170	180
	190	200	210	220	230	240
a519-1.pep	KRARIAESEGRKIEQI	-				
m519-1	KRARIAESEGRKIEQI					
	190	200	210	220	230	240
	050	260	270	200	290	200
-510 1	250		-	280	_ • •	300
a519-1.pep	LVAEANAEAIRQIAAA		NTVINEGIVA			
510 1	LVAEANAEAIROIAAA		,,,,,,,,,,			
m519-1	LVAEANAEAIRQIAAA 250	260	270	AFNNLAKESN 280	290	300
	230	200	210	200	290	300
	310					
a519-1.pep	ISAGMKIIDSSKTAKX					
anta-r.heb	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII					
m519-1	ISAGMKIIDSSKTAKX					
1	310					

576 and 576-1 gnm22.seq

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 20>:

```
m576.seq.. (partial)
      1 ..ATGCAGCAGG CAAGCTATGC GATGGGCGTG GACATCGGAC GCTCCCTGAA
            GCAAATGAAG GAACAGGGCG CGGAAATCGA TTTGAAAGTC TTTACCGAAG
      51
     101
            CCATGCAGGC AGTGTATGAC GGCAAAGAAA TCAAAATGAC CGAAGAGCAG
     151
            GCTCAGGAAG TCATGATGAA ATTCCTTCAG GAACAACAGG CTAAAGCCGT
     201
            AGAAAAACAC AAGGCGGACG CGAAGGCCAA TAAAGAAAAA GGCGAAGCCT
```

			•			
251	TTCTGAAAGA	AAATGCCGCC	AAAGACGGCG	TGAAGACCAC	TGCTTCCGGC	
301	CTGCAATACA	AAATCACCAA	ACAGGGCGAA	GGCAAACAGC	CGACCAAAGA	
351	CGACATCGTT	ACCGTGGAAT	ACGAAGGCCG	CCTGATTGAC	GGTACGGTAT	
401	TCGACAGCAG	CAAAGCCAAC	GGCGGCCCGG	TCACCTTCCC	TTTGAGCCAA	
451	GTGATTCCGG	GTTGGACCGA	AGGCGTACAG	CTTCTGAAAG	AAGGCGGCGA	
501	AGCCACGTTC	TACATCCCGT	CCAACCTTGC	CTACCGCGAA	CAGGGTGCGG	
551	GCGACAAAAT	CGGTCCGAAC	GCCACTTTGG	TATTTGATGT	GAAACTGGTC	
601						
651						
sponds (to the amino	acid sequenc	e <seq 2<="" id="" td=""><td>21: ORF 576</td><td>>:</td><td></td></seq>	21: ORF 576	> :	
_		•		,		
		DIGRSLKOMK	EOGAEIDLKV	FTEAMOAVYD	GKETKMTEEO	
51						
101	LOYKITKOGE	GKOPTKDDIV	TVEYEGRLID	GTVFDSSKAN	GGPVTFPLSO	•
151	VIPGWTEGVO	LLKEGGEATF	YIPSNLAYRE	OGAGDKIGPN	ATIVEDVKIV	
201				2011021120211	ZVI DVKDV	
	tial DNIA aga		lantified in N		···· <ceo td="" to<=""><td>225</td></ceo>	225
		uence was it	renumed in A	v. gonorrnoe	ae <seq id<="" td=""><td>22></td></seq>	22>
	.atgggcgtgg	acatcggacg	ctccctgaaa	caaatgaagg	aacagggcgc	
	ggaaatcgat	ttgaaagtct	ttaccgatgc	catgcaggca	gtgtatgacg	
	gcaaagaaat	caaaatgacc	gaagagcagg	cccaggaagt	gatgatgaaa	
	ttcctgcagg	agcagcaggc	taaagccgta	gaaaaacaca	aggcggatgc	•
	gaaggccaac	aaagaaaaag	gcgaagcctt	cctgaaggaa	aatgccgccg	
	aagacggcgt	gaagaccact	gcttccggtc	tgcagtacaa	aatcaccaaa	
	cagggtgaag	gcaaacagcc	gacaaaagac	gacatcgtta	ccgtggaata	
	cgaaggccgc	ctgattgacg	gtaccgtatt	cgacagcagc	aaagccaacg	
	gcggcccggc	caccttccct	ttgagccaag	tgattccggg	ttggaccgaa	
	ggcgtacggc	ttctgaaaga	aggcggcgaa	gccacgttct	acatcccgtc	
	caaccttgcc	taccgcgaac	agggtgcggg	cgaaaaaatc	ggtccgaacg	
	ccactttggt	atttgacgtg	aaactggtca	aaatcggcgc	acccgaaaac	
601	gcgcccgcca	agcagccgga	tcaagtcgac	atcaaaaaag	taaattaa	
• .						
		acid sequenc	e <seq 2<="" id="" td=""><td>23; ORF 576</td><td>.ng>:</td><td></td></seq>	23; ORF 576	.ng>:	
1 .	. MGVDIGRSLK	QMKEQGAEID	LKVFTDAMQA	VYDGKEIKMT	EEQAQEVMMK	
51	FLQEQQAKAV	EKHKADAKAN	KEKGEAFLKE	NAAEDGVKTT	ASGLQYKITK	
101	QGEGKQPTKD	DIVTVEYEGR	LIDGTVFDSS	KANGGPATFP	LSQVIPGWTE	
151	GVRLLKEGGE	ATFYIPSNLA	YREQGAGEKI	GPNATLVFDV	KLVKIGAPEN	
201	APAKQPDQVD	IKKVN*				
	301 351 401 451 501 551 601 651 Sponds (1) .pep 1 .51 101 151 201 201 251 301 351 401 451 501 551 601 Sponds (1) .pep (1) 51 101 151 201 251 301 351 401 451 501 551 601 551 601 551 601 651 651 651 651 651 651 651 65	301 CTGCAATACA 351 CGACATCGTT 401 TCGACAGCAG 451 GTGATTCCGG 501 AGCCACGTTC 551 GCGACAAAAT 601 AAAATCGGCG 651 CATCAAAAAA Sponds to the amino .pep. (partial) 1 .MQQASYAMGV 51 AQEVMMKFLQ 101 LQYKITKQGE 151 VIPGWTEGVQ 201 KIGAPENAPA ving partial DNA seq .seq. (partial) 1 .atgggcgtgg 51 ggaaatcgat 101 gcaaagaaat 101 gcaaagaaat 101 gcaaagaaat 151 ttcctgagg 201 gaaggccaac 251 aagacggcgt 301 cagggtgaag 351 cgaaggcgc 401 gcggccggc 401 gcggccggc 401 gcggccggc 401 gcggccggc 401 gcggccggc 401 gcgcccgca 551 ccactttggt 601 gcgcccgca sponds to the amino .pep. (partial) 1 .MGVDIGRSLK 51 FLQEQQAKAV 101 QGEGKQPTKD 151 GVRLLKEGGE	301 CTGCAATACA AAATCACCAA 351 CGACATCGTT ACCGTGGAAT 401 TCGACAGCAG CAAAGCCAAC 451 GTGATTCCGG GTTGGACCGA 501 AGCCACGTTC TACATCCCGT 551 GCGACAAAAT CGGTCCGAAC 601 AAAATCGGCG CACCCGAAAA 651 CATCAAAAAA GTAAATTAA Sponds to the amino acid sequenc .pep. (partial) 1 .MQQASYAMGV DIGRSLKQMK 51 AQEVMMKFLQ EQQAKAVEKH 101 LQYKITKQGE GKQPTKDDIV 151 VIPGWTEGVQ LLKEGGEATF 201 KIGAPENAPA KQPAQVDIKK Ving partial DNA sequence was id .seq. (partial) 1 .atgggcgtgg acatcggacg 51 ggaaatcgat ttgaaagtct 101 gcaaagaaat caaaatgacc 151 ttcctgcagg gragcagcagc 201 gaaggccaac aaagaaaaag 251 aagacggct gaagaccact 301 cagggtgaag gcaaacagcc 351 cgaaggccgc ctgattgacg 401 gcggccggc caccttccct 451 ggcgtacggc ttctgaaaga 251 caacttggc taccggaac 551 ccactttggt ttctgaaaga 501 caaccttgcc taccgcgaac 551 ccactttggt atttgacgg 501 caaccttgcc taccgcgaac 551 ccactttggt atttgacgg 501 caaccttgcc taccgcgaac 551 ccactttggt atttgacgg 501 caaccttgcc taccgcgaac 551 ccactttggt atttgacgga 501 caaccttgcc taccgcgaac 551 ccactttggt atttgacgtg 601 gcgcccgca agcagccgga sponds to the amino acid sequenc .pep. (partial) 1 .MGVDIGRSLK QMKEQGAEID 51 FLQEQQAKAV EKHKADAKAN 101 QGEGKQPTKD DIVTVEYEGR 151 GVRLLKEGGE ATFYIPSNLA	301 CTGCAATACA AAATCACCAA ACAGGGCGAA 351 CGACATCGTT ACCGTGGAAT ACGAAGGCCG 401 TCGACAGCAG CAAAGCCCAAC GGCGGCCCGG 451 GTGATTCCGG GTTGGACCGA AGGCGTACAG 501 AGCCACGTTC TACATCCCGT CCAACCTTGC 551 GCGACAAAAT CGGTCCGAAC GCCACTTTGG 601 AAAATCGGCG CACCCGAAAA CGCGCCCGCC 651 CATCAAAAAA GTAAATTAA Sponds to the amino acid sequence <seq (partial)="" .atgggcgtgg="" .mqqasyamgv="" 1="" 101="" 151="" 201="" 301="" 351="" 401="" 451="" 501="" 51="" 551="" 601="" a="" aaactggtca="" aaagaaaaag="" acatcggacg="" agcacagc="" agcaccgga="" agcacgcga="" aggcggcgaa="" agggtgcgaac="" agggtgcgac="" agggtgcgga="" agggtgcggg="" aqevmmkflq="" atttgacgg="" atttgacggt="" caaaatgacc="" caaccttgcc="" caacttgct="" caccttccct="" caccttgcc="" caccttgct="" cagggtgaag="" ccactttggt="" cgaaggccgc="" ctccctgaaa="" ctgattgacg="" digrslkqmk="" eqgaeidlkv="" eqqakavekh="" gaagagcagg="" gaaggccaac="" gacaaaagac="" gcaaacagc="" gcaagaaat="" gcgaagcctt="" gcgcccgcca="" gcggccggc="" ggaaatcgat="" ggcgtacggc="" gkqptkddiv="" gtaccgtat="" id="" kadakankek="" kigapenapa="" kqpaqvdikk="" llkeggeatf="" lqykitkqge="" partial)="" pep.="" t<="" taaagccgta="" taccgacac="" taccgcgaac="" tacctccct="" tcaagtcgac="" tcaagtcggc="" td="" ttaccgatgc="" ttcctgcagg="" ttctgaaaga="" ttgaaagtct="" ttgagccaag="" tveyegrlid="" ving="" vipgwtegvq="" vn*="" yipsnlayre=""><td>CTECAATACA AAATCACCAA ACAGGGCGAA GGCAAACAGC CGACATCGTT ACCGTGGAAT ACGAAGGCCG CCTGATTGAC TCGACAGCAG CAAAGCCAAC GGCGGCCCG TCACCTTCCC 451 GTGATTCCGG GTTGGACCGA AGGCGTACAG CTTCTCGAAG 501 AGCCACGTTC TACATCCCGT CCAACCTTGC CTACCGCGAA 551 GCGACAAAAT CGGTCCGAAC GCCACTTTGG TATTTGATGT 601 AAAATCGGCG CACCCGAAAA CGCGCCCGCC AAGCAGCCGG 651 CATCAAAAAA GTAAATTAA Sponds to the amino acid sequence <seq (partial)="" .atgggcgtgg="" .mgvdigrslk="" .mqqasyamgv="" .pep.="" .seq.="" 1="" 101="" 105="" 151="" 201="" 21;="" 23;="" 301="" 401="" 501="" 51="" 576="" 601="" <seq="" aaagaacaagc="" aaatcggcg="" aactggtca="" aaggcggcgaa="" acactgtta="" acatcggacg="" acid="" agcagcaggc="" agcagccgaa="" agcagccgga="" agcgggggaa="" amino="" aqevmmkflq="" atcaaaaaag="" atfyipsnla="" atttgaaga="" caaaatgacc="" caaatgaagg="" caacttggt="" cacettccet="" cacetttggt="" cagggtgaag="" catgcaggca="" cccaggaagt="" cgacagcagc="" ctccctgaaa="" ctgattgacg="" digrslkqmk="" divtveyegr="" dna="" ekhkadakan="" eqgaeidlkv="" eqqakavekh="" flqeqakav="" fteamqavyd="" gaaaaacaca="" gaagagcagg="" gaaggccaac="" gacaacagcaga="" gacaacagcg="" gacatcgtta="" gcaaacaagc="" gcaaagaaat="" gccaagagcaga="" gccacgttet="" gcgaccggc="" gcgcccgcc="" gcgccgcca="" gcgccggc="" gcggccggc="" geaflkenaa="" ggaaatcgat="" gkqptkddiv="" gonorrhoe="" gpnatlvfdv<="" gtaccgtatt="" gtvfdsskan="" gvrllkegge="" id="" identified="" in="" kadakankek="" kanggpatfp="" kekgeafike="" kigapenapa="" kqpaqvdikk="" lidgtvfdss="" lkvftdamqa="" llkeggeatf="" lqykitkqge="" n.="" naaedgvktt="" orf="" partial="" qgagdkigpn="" qgegkqptkd="" qmkeqgaeid="" sequence="" sponds="" tcaagtcgac="" td="" tgattccgga="" the="" to="" ttacagagcg="" ttacagagcgt="" ttaccgatgc="" ttcctgcagg="" ttgaaagtct="" ttgagcaag="" tveyegrlid="" ving="" vipgwtegvq="" vn*="" vydgkeikmt="" was="" yipsnlayre="" yreqgaeeki=""><td>301 CTGCAATACA AAATCACCAA ACAGGGCGAA GGCAAACAGC CGACCAAAGA 351 CGACATCGTT ACCGTGGAAT ACGAAGGCCG CCTGATTGAC GGTACGGTAT 401 TCGACAGCAG CAAAGCCAAC GGCGGCCCGG CCTGATTGAC GGTACGGTAT 401 TCGACAGCAG CAAAGCCAAC GGCGGCCCGG TCACCTTCCC TTTGAGACCAA 451 GTGATTCCGG GTTGGACCGA AGGCGTACAG CTTCTGAAAG AAGGCGGCGA 501 AGCCACGTTC TACATCCCGT CCAACCTTGC CTACCGCGAA CAGGGTGCGG 551 GCGACAAAAT CGGTCCGAAC GCCACTTTGG TATTTGATGT GAAACTGGTC 661 AAAATCGGG CACCGGAAA CGCGCCCGCC AAGCAGCCGG CTCAAGTCGA 651 CATCAAAAAA GTAAATTAA Sponds to the amino acid sequence SEQ ID 21; ORF 576>: .pep. (partial) 1 .MQQASYAMGV DIGRSLKOMK EQGAEIDLKV FTEAMQAVYD GKEIKMTEEQ 51 AQEVMMKELQ EQQAKAVEKH KADAKANKEK GEAFLKENAA KDGVKTTASG 101 LOYKITKOGE GKQPTKDDIV TVEYEGRLID GTVFDSSKAN GGPVTFPLSQ 151 VIFGWTEGVQ LLKEGGATF YIPSNLAYRE QGAGDKIGPN ATLVFDVKLV 201 KIGAPENAPA KQPAQVDIKK VN* ring partial DNA sequence was identified in N. gonorrhoeae SEQ ID 2.seq. (partial) 1 .atgggcgtgg acatcggacg ctccctgaaa caaatgaagg aacagggcgc 51 ggaaatcgat ttgaaagtct ttaccgatgc catgcaggca ggtgtatgacg 251 aagacggcg gaagaccact gctccctgaaacaaaaga ggcggaagc 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggagc 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggatga 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggagac 251 aagacggcg ctgattgacg gtacagaga aatcgaacaaaaaagac 251 aagacggcg ctgattgacg gtacacggac aaagacaaaga 301 cagggtgaag gcaacacgc gacaacagc tccggaaaaacc cctgagaaa aatcaccaaa 301 cagggtgaag gcaacacac gcttccgtt tgcagacaac 401 gcgaccggc ctgattgacg gtaccggat tgaacgcagc aaagccaacaac 451 ggcgtacggc ctactccct ttgagccaaa gcacagttat acatccagtc 551 caactttgc taccggaac agggtggga gcaacaggc aaacacaaca 551 caactttgc taccgcgaac agggtgggg cgaaaaaacac 551 caactttgc taccggaac agggtggga gcaactgtta aaatcagcgc 551 caactttgc taccggaac agggtgggg cgaaaaaacac 551 caacttgc taccggaac agggtgggg cgaaaaacac 551 caacttgc taccggaac agggtgggga aactggtc aaaaccaaa 550 caacttgc taccggaac agcagcgga taaagtggc aacaggcagacac 551 caacttgc taccggaac agcagcaga aactggtc aaaacagaac 550 caacttgc taccgaaca agcagcaga aactggtc a</td></seq></td></seq>	CTECAATACA AAATCACCAA ACAGGGCGAA GGCAAACAGC CGACATCGTT ACCGTGGAAT ACGAAGGCCG CCTGATTGAC TCGACAGCAG CAAAGCCAAC GGCGGCCCG TCACCTTCCC 451 GTGATTCCGG GTTGGACCGA AGGCGTACAG CTTCTCGAAG 501 AGCCACGTTC TACATCCCGT CCAACCTTGC CTACCGCGAA 551 GCGACAAAAT CGGTCCGAAC GCCACTTTGG TATTTGATGT 601 AAAATCGGCG CACCCGAAAA CGCGCCCGCC AAGCAGCCGG 651 CATCAAAAAA GTAAATTAA Sponds to the amino acid sequence <seq (partial)="" .atgggcgtgg="" .mgvdigrslk="" .mqqasyamgv="" .pep.="" .seq.="" 1="" 101="" 105="" 151="" 201="" 21;="" 23;="" 301="" 401="" 501="" 51="" 576="" 601="" <seq="" aaagaacaagc="" aaatcggcg="" aactggtca="" aaggcggcgaa="" acactgtta="" acatcggacg="" acid="" agcagcaggc="" agcagccgaa="" agcagccgga="" agcgggggaa="" amino="" aqevmmkflq="" atcaaaaaag="" atfyipsnla="" atttgaaga="" caaaatgacc="" caaatgaagg="" caacttggt="" cacettccet="" cacetttggt="" cagggtgaag="" catgcaggca="" cccaggaagt="" cgacagcagc="" ctccctgaaa="" ctgattgacg="" digrslkqmk="" divtveyegr="" dna="" ekhkadakan="" eqgaeidlkv="" eqqakavekh="" flqeqakav="" fteamqavyd="" gaaaaacaca="" gaagagcagg="" gaaggccaac="" gacaacagcaga="" gacaacagcg="" gacatcgtta="" gcaaacaagc="" gcaaagaaat="" gccaagagcaga="" gccacgttet="" gcgaccggc="" gcgcccgcc="" gcgccgcca="" gcgccggc="" gcggccggc="" geaflkenaa="" ggaaatcgat="" gkqptkddiv="" gonorrhoe="" gpnatlvfdv<="" gtaccgtatt="" gtvfdsskan="" gvrllkegge="" id="" identified="" in="" kadakankek="" kanggpatfp="" kekgeafike="" kigapenapa="" kqpaqvdikk="" lidgtvfdss="" lkvftdamqa="" llkeggeatf="" lqykitkqge="" n.="" naaedgvktt="" orf="" partial="" qgagdkigpn="" qgegkqptkd="" qmkeqgaeid="" sequence="" sponds="" tcaagtcgac="" td="" tgattccgga="" the="" to="" ttacagagcg="" ttacagagcgt="" ttaccgatgc="" ttcctgcagg="" ttgaaagtct="" ttgagcaag="" tveyegrlid="" ving="" vipgwtegvq="" vn*="" vydgkeikmt="" was="" yipsnlayre="" yreqgaeeki=""><td>301 CTGCAATACA AAATCACCAA ACAGGGCGAA GGCAAACAGC CGACCAAAGA 351 CGACATCGTT ACCGTGGAAT ACGAAGGCCG CCTGATTGAC GGTACGGTAT 401 TCGACAGCAG CAAAGCCAAC GGCGGCCCGG CCTGATTGAC GGTACGGTAT 401 TCGACAGCAG CAAAGCCAAC GGCGGCCCGG TCACCTTCCC TTTGAGACCAA 451 GTGATTCCGG GTTGGACCGA AGGCGTACAG CTTCTGAAAG AAGGCGGCGA 501 AGCCACGTTC TACATCCCGT CCAACCTTGC CTACCGCGAA CAGGGTGCGG 551 GCGACAAAAT CGGTCCGAAC GCCACTTTGG TATTTGATGT GAAACTGGTC 661 AAAATCGGG CACCGGAAA CGCGCCCGCC AAGCAGCCGG CTCAAGTCGA 651 CATCAAAAAA GTAAATTAA Sponds to the amino acid sequence SEQ ID 21; ORF 576>: .pep. (partial) 1 .MQQASYAMGV DIGRSLKOMK EQGAEIDLKV FTEAMQAVYD GKEIKMTEEQ 51 AQEVMMKELQ EQQAKAVEKH KADAKANKEK GEAFLKENAA KDGVKTTASG 101 LOYKITKOGE GKQPTKDDIV TVEYEGRLID GTVFDSSKAN GGPVTFPLSQ 151 VIFGWTEGVQ LLKEGGATF YIPSNLAYRE QGAGDKIGPN ATLVFDVKLV 201 KIGAPENAPA KQPAQVDIKK VN* ring partial DNA sequence was identified in N. gonorrhoeae SEQ ID 2.seq. (partial) 1 .atgggcgtgg acatcggacg ctccctgaaa caaatgaagg aacagggcgc 51 ggaaatcgat ttgaaagtct ttaccgatgc catgcaggca ggtgtatgacg 251 aagacggcg gaagaccact gctccctgaaacaaaaga ggcggaagc 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggagc 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggatga 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggagac 251 aagacggcg ctgattgacg gtacagaga aatcgaacaaaaaagac 251 aagacggcg ctgattgacg gtacacggac aaagacaaaga 301 cagggtgaag gcaacacgc gacaacagc tccggaaaaacc cctgagaaa aatcaccaaa 301 cagggtgaag gcaacacac gcttccgtt tgcagacaac 401 gcgaccggc ctgattgacg gtaccggat tgaacgcagc aaagccaacaac 451 ggcgtacggc ctactccct ttgagccaaa gcacagttat acatccagtc 551 caactttgc taccggaac agggtggga gcaacaggc aaacacaaca 551 caactttgc taccgcgaac agggtgggg cgaaaaaacac 551 caactttgc taccggaac agggtggga gcaactgtta aaatcagcgc 551 caactttgc taccggaac agggtgggg cgaaaaaacac 551 caacttgc taccggaac agggtgggg cgaaaaacac 551 caacttgc taccggaac agggtgggga aactggtc aaaaccaaa 550 caacttgc taccggaac agcagcgga taaagtggc aacaggcagacac 551 caacttgc taccggaac agcagcaga aactggtc aaaacagaac 550 caacttgc taccgaaca agcagcaga aactggtc a</td></seq>	301 CTGCAATACA AAATCACCAA ACAGGGCGAA GGCAAACAGC CGACCAAAGA 351 CGACATCGTT ACCGTGGAAT ACGAAGGCCG CCTGATTGAC GGTACGGTAT 401 TCGACAGCAG CAAAGCCAAC GGCGGCCCGG CCTGATTGAC GGTACGGTAT 401 TCGACAGCAG CAAAGCCAAC GGCGGCCCGG TCACCTTCCC TTTGAGACCAA 451 GTGATTCCGG GTTGGACCGA AGGCGTACAG CTTCTGAAAG AAGGCGGCGA 501 AGCCACGTTC TACATCCCGT CCAACCTTGC CTACCGCGAA CAGGGTGCGG 551 GCGACAAAAT CGGTCCGAAC GCCACTTTGG TATTTGATGT GAAACTGGTC 661 AAAATCGGG CACCGGAAA CGCGCCCGCC AAGCAGCCGG CTCAAGTCGA 651 CATCAAAAAA GTAAATTAA Sponds to the amino acid sequence SEQ ID 21; ORF 576>: .pep. (partial) 1 .MQQASYAMGV DIGRSLKOMK EQGAEIDLKV FTEAMQAVYD GKEIKMTEEQ 51 AQEVMMKELQ EQQAKAVEKH KADAKANKEK GEAFLKENAA KDGVKTTASG 101 LOYKITKOGE GKQPTKDDIV TVEYEGRLID GTVFDSSKAN GGPVTFPLSQ 151 VIFGWTEGVQ LLKEGGATF YIPSNLAYRE QGAGDKIGPN ATLVFDVKLV 201 KIGAPENAPA KQPAQVDIKK VN* ring partial DNA sequence was identified in N. gonorrhoeae SEQ ID 2.seq. (partial) 1 .atgggcgtgg acatcggacg ctccctgaaa caaatgaagg aacagggcgc 51 ggaaatcgat ttgaaagtct ttaccgatgc catgcaggca ggtgtatgacg 251 aagacggcg gaagaccact gctccctgaaacaaaaga ggcggaagc 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggagc 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggatga 251 aagacggcg gaagaccact gctccggac gaaaaacaaa aggcggagac 251 aagacggcg ctgattgacg gtacagaga aatcgaacaaaaaagac 251 aagacggcg ctgattgacg gtacacggac aaagacaaaga 301 cagggtgaag gcaacacgc gacaacagc tccggaaaaacc cctgagaaa aatcaccaaa 301 cagggtgaag gcaacacac gcttccgtt tgcagacaac 401 gcgaccggc ctgattgacg gtaccggat tgaacgcagc aaagccaacaac 451 ggcgtacggc ctactccct ttgagccaaa gcacagttat acatccagtc 551 caactttgc taccggaac agggtggga gcaacaggc aaacacaaca 551 caactttgc taccgcgaac agggtgggg cgaaaaaacac 551 caactttgc taccggaac agggtggga gcaactgtta aaatcagcgc 551 caactttgc taccggaac agggtgggg cgaaaaaacac 551 caacttgc taccggaac agggtgggg cgaaaaacac 551 caacttgc taccggaac agggtgggga aactggtc aaaaccaaa 550 caacttgc taccggaac agcagcgga taaagtggc aacaggcagacac 551 caacttgc taccggaac agcagcaga aactggtc aaaacagaac 550 caacttgc taccgaaca agcagcaga aactggtc a

Computer analysis of this amino acid sequence gave the following results: Homology with a predicted ORF from N. gonorrhoeae

m576/g576 97.2% identity in 215 aa overlap

10 20 30 40 50 6 m576.pep MQQASYAMGVDIGRSLKQMKEQGAEIDLKVFTEAMQAVYDGKEIKMTEEQAQEVMMKFL	
g576 MGVDIGRSLKQMKEQGAEIDLKVFTDAMQAVYDGKEIKMTEEQAQEVMMKFL	60
g576 MGVDIGRSLKQMKEQGAEIDLKVFTDAMQAVYDGKEIKMTEEQAQEVMMKFL	
g576 MGVDIGRSLKQMKEQGAEIDLKVFTDAMQAVYDGKEIKMTEEQAQEVMMKFL	1 1
10 20 30 40 50	
70 80 90 100 110 12	20
m576.pep EQQAKAVEKHKADAKANKEKGEAFLKENAAKDGVKTTASGLQYKITKQGEGKQPTKDDI	
	ΙΙ
g576 EQQAKAVEKHKADAKANKEKGEAFLKENAAEDGVKTTASGLQYKITKQGEGKQPTKDDI	1 1 T17
60 70 00	ΤΛ
60 70 80 90 100 110	

- 78 -

m576.pep g576	130 140 150 160 170 180 TVEYEGRLIDGTVFDSSKANGGPVTFPLSQVIPGWTEGVQLLKEGGEATFYIPSNLAYRE !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
m576.pep	190 200 210 220 QGAGDKIGPNATLVFDVKLVKIGAPENAPAKQPAQVDIKKVNX :
g576	QGAGEKIGPNATLVFDVKLVKIGAPENAPAKQPDQVDIKKVNX 180 190 200 210
The following pa	artial DNA sequence was identified in N. meningitidis <seq 24="" id="">:</seq>
a576.seq	
1	ATGAACACCA TTTTCAAAAT CAGCGCACTG ACCCTTTCCG CCGCTTTGGC
51	ACTTTCCGCC TGCGGCAAAA AAGAAGCCGC CCCCGCATCT GCATCCGAAC
101	CTGCCGCCGC TTCTTCCGCG CAGGGCGACA CCTCTTCGAT CGGCAGCACG
151	ATGCAGCAGG CAAGCTATGC GATGGGCGTG GACATCGGAC GCTCCCTGAA
201	GCAAATGAAG GAACAGGGCG CGGAAATCGA TTTGAAAGTC TTTACCGAAG
251	CCATGCAGGC AGTGTATGAC GGCAAAGAAA TCAAAATGAC CGAAGAGCAG
301	GCTCAGGAAG TCATGATGAA ATTCCTTCAG GAACAACAGG CTAAAGCCGT AGAAAAACAC AAGGCGGACG CGAAGGCCAA TAAAGAAAAA GGCGAAGCCT
351 401	TTCTGAAAGA AAATGCCGCC AAAGACGCCG TGAAGACCAC TGCTTCCGGC
451	CTGCAATACA AAATCACCAA ACAGGGCGAA GGCAAACAGC CGACCAAAGA
	CGACATCGTT ACCGTGGAAT ACGAAGGCCG CCTGATTGAC GGTACGGTAT
551	TCGACAGCAG CAAAGCCAAC GGCGGCCCGG TCACCTTCCC TTTGAGCCAA
601	GTGATTCTGG GTTGGACCGA AGGCGTACAG CTTCTGAAAG AAGGCGGCGA
651	AGCCACGTTC TACATCCCGT CCAACCTTGC CTACCGCGAA CAGGGTGCGG
701	GCGACAAAAT CGGCCCGAAC GCCACTTTGG TATTTGATGT GAAACTGGTC
751	AAAATCGGCG CACCCGAAAA CGCGCCCGCC AAGCAGCCGG CTCAAGTCGA
801	CATCAAAAA GTAAATTAA
	OTO TO OF OTO THE
This correspond	s to the amino acid sequence <seq 25;="" 576.a="" id="" orf="">:</seq>
a576.pep	
1	MNTIFKISAL TLSAALALSA CGKKEAAPAS ASEPAAASSA QGDTSSIGST
51	MQQASYAMGV DIGRSLKOMK EQGAEIDLKV FTEAMQAVYD GKEIKMTEEQ
101	•
151	
201 251	VILGWTEGVQ LLKEGGEATF YIPSNLAYRE QGAGDKIGPN ATLVFDVKLV KIGAPENAPA KQPAQVDIKK VN*
231	KIGAFENAFA KQFAQVDIKK VN
m576/a576	ORFs 576 and 576.a showed a 99.5% identity in 222 aa overlap
	10 20 30
m576.pep	MQQASYAMGVDIGRSLKQMKEQGAEIDLKV
-	
a576	CGKKEAAPASASEPAAASSAQGDTSSIGSTMQQASYAMGVDIGRSLKQMKEQGAEIDLKV
	30 40 50 60 70 80
	40 50 60 70 80 90
m576.pep	FTEAMQAVYDGKEIKMTEEQAQEVMMKFLQEQQAKAVEKHKADAKANKEKGEAFLKENAA
57.6	
a576	FTEAMQAVYDGKEIKMTEEQAQEVMMKFLQEQQAKAVEKHKADAKANKEKGEAFLKENAA 90 100 110 120 130 140
	90 100 110 120 ,130 140
	100 110 120 130 140 150
m576.pep	KDGVKTTASGLQYKITKQGEGKQPTKDDIVTVEYEGRLIDGTVFDSSKANGGPVTFPLSQ
a576	KDGVKTTASGLQYKITKQGEGKQPTKDDIVTVEYEGRLIDGTVFDSSKANGGPVTFPLSQ
	150 160 170 180 190 200

- 79 -

•	160	170	180	190	200	210
m576.pep	VIPGWTEGVOLLKE	GGEATFYIP	SNLAYREQGAG	DKIGPNATL	VFDVKLVKIG	APENAPA
	11	11111111	11111111111	111111111	11111111111	
· a576	VILGWTEGVQLLKE	GEATFYIP	SNLAYREQGAG	DKIGPNATL	VFDVKLVKIGA	PENAPA
	210	220	230	240	250	260
	220					•
m576.pep	KQPAQVDIKKVNX					
	111111111111					
a576	KQPAQVDIKKVNX					
	270					•

Further work revealed the following DNA sequence identified in N. meningitidis <SEQ ID 26>:

```
m576-1.seq
       1 ATGAACACCA TTTTCAAAAT CAGCGCACTG ACCCTTTCCG CCGCTTTGGC
      51 ACTITCCGCC TGCGGCAAAA AAGAAGCCGC CCCCGCATCT GCATCCGAAC
     101 CTGCCGCCGC TTCTTCCGCG CAGGGCGACA CCTCTTCGAT CGGCAGCACG
     151 ATGCAGCAGG CAAGCTATGC GATGGGCGTG GACATCGGAC GCTCCCTGAA
          GCAAATGAAG GAACAGGGCG CGGAAATCGA TTTGAAAGTC TTTACCGAAG
          CCATGCAGGC AGTGTATGAC GGCAAAGAAA TCAAAATGAC CGAAGAGCAG
          GCTCAGGAAG TCATGATGAA ATTCCTTCAG GAACAACAGG CTAAAGCCGT
     301
          AGAAAAACAC AAGGCGGACG CGAAGGCCAA TAAAGAAAAA GGCGAAGCCT
     351
          TTCTGAAAGA AAATGCCGCC AAAGACGGCG TGAAGACCAC TGCTTCCGGC
          CTGCAATACA AAATCACCAA ACAGGGCGAA GGCAAACAGC CGACCAAAGA
     501 CGACATCGTT ACCGTGGAAT ACGAAGGCCG CCTGATTGAC GGTACGGTAT
     551
          TCGACAGCAG CAAAGCCAAC GGCGGCCCGG TCACCTTCCC TTTGAGCCAA
          GTGATTCCGG GTTGGACCGA AGGCGTACAG CTTCTGAAAG AAGGCGGCGA
     651
          AGCCACGTTC TACATCCCGT CCAACCTTGC CTACCGCGAA CAGGGTGCGG
     701
          GCGACAAAAT CGGTCCGAAC GCCACTTTGG TATTTGATGT GAAACTGGTC
          AAAATCGGCG CACCCGAAAA CGCGCCCGCC AAGCAGCCGG CTCAAGTCGA
          CATCAAAAAA GTAAATTAA
```

This corresponds to the amino acid sequence <SEQ ID 27; ORF 576-1>: m576-1.pep

```
1 MNTIFKISAL TLSAALALSA CGKKEAAPAS ASEPAAASSA QGDTSSIGST
51 MQQASYAMGV DIGRSLKQMK EQGAEIDLKV FTEAMQAVYD GKEIKMTEEQ
101 AQEVMMKFLQ EQQAKAVEKH KADAKANKEK GEAFLKENAA KDGVKTTASG
151 LQYKITKQGE GKQPTKDDIV TVEYEGRLID GTVFDSSKAN GGPVTFPLSQ
201 VIPGWTEGVQ LLKEGGEATF YIPSNLAYRE QGAGDKIGPN ATLVFDVKLV
251 KIGAPENAPA KQPAQVDIKK VN*
```

The following DNA sequence was identified in N. gonorrhoeae <SEQ ID 28>: g576-1.seq

```
1 ATGAACACCA TTTTCAAAAT CAGCGCACTG ACCCTTTCCG CCGCTTTGGC
 51 ACTITCCGCC TGCGGCAAAA AAGAAGCCGC CCCCGCATCT GCATCCGAAC
101 CTGCCGCCGC TTCTGCCGCG CAGGGCGACA CCTCTTCAAT CGGCAGCACG
151 ATGCAGCAGG CAAGCTATGC AATGGGCGTG GACATCGGAC GCTCCCTGAA
    ACAAATGAAG GAACAGGGCG CGGAAATCGA TTTGAAAGTC TTTACCGATG
251
    CCATGCAGGC AGTGTATGAC GGCAAAGAAA TCAAAATGAC CGAAGAGCAG
    GCCCAGGAAG TGATGATGAA ATTCCTGCAG GAGCAGCAGG CTAAAGCCGT
301
    AGAAAAACAC AAGGCGGATG CGAAGGCCAA CAAAGAAAAA GGCGAAGCCT
351
    TCCTGAAGGA AAATGCCGCC AAAGACGGCG TGAAGACCAC TGCTTCCGGT
451
    CTGCAGTACA AAATCACCAA ACAGGGTGAA GGCAAACAGC CGACAAAAGA
501
    CGACATCGTT ACCGTGGAAT ACGAAGGCCG CCTGATTGAC GGTACCGTAT
    TCGACAGCAG CAAAGCCAAC GGCGGCCCGG CCACCTTCCC TTTGAGCCAA
551
    GTGATTCCGG GTTGGACCGA AGGCGTACGG CTTCTGAAAG AAGGCGGCGA
651
    AGCCACGTTC TACATCCCGT CCAACCTTGC CTACCGCGAA CAGGGTGCGG
701
    GCGAAAAAAT CGGTCCGAAC GCCACTTTGG TATTTGACGT GAAACTGGTC
    AAAATCGGCG CACCCGAAAA CGCGCCCGCC AAGCAGCCGG ATCAAGTCGA
```

801 CATCAAAAA GTAAATTAA

This corresponds to the amino acid sequence <SEQ ID 29; ORF 576-1.ng>: q576-1.pep

- MNTIFKISAL TLSAALALSA CGKKEAAPAS ASEPAAASAA QGDTSSIGST 1
- MOOASYAMGV DIGRSLKOMK EQGAEIDLKV FTDAMQAVYD GKEIKMTEEO 51
- AOEVMMKFLO EOOAKAVEKH KADAKANKEK GEAFLKENAA KDGVKTTASG 101
- 151 LQYKITKQGE GKQPTKDDIV TVEYEGRLID GTVFDSSKAN GGPATFPLSQ
- VIPGWTEGVR LLKEGGEATF YIPSNLAYRE QGAGEKIGPN ATLVFDVKLV 201
- 251 KIGAPENAPA KOPDOVDIKK VN*

g576-1/m576-1 ORFs 576-1 and 576-1.ng showed a 97.8% identity in 272 aa overlap

```
40
                                                       60
                10
                        20
                                30
                                                50
          MNTIFKISALTLSAALALSACGKKEAAPASASEPAAASAAQGDTSSIGSTMQQASYAMGV
q576-1.pep
          <u>}</u>
m576-1
          MNTIFKISALTLSAALALSACGKKEAAPASASEPAAASSAQGDTSSIGSTMQQASYAMGV
                        20
                                30
                                        40
                                                50
                                                       60
                10
                        80
                                90
                                       100
                                               110
                                                       120
          DIGRSLKOMKEQGAEIDLKVFTDAMQAVYDGKEIKMTEEQAQEVMMKFLQEQQAKAVEKH
q576-1.pep
          DIGRSLKOMKEQGAEIDLKVFTEAMQAVYDGKEIKMTEEQAQEVMMKFLQEQQAKAVEKH
m576-1
                70
                        80
                                90
                                       100
                                               110
                                                       120
                       140
                               150
                                       160
                130
          KADAKANKEKGEAFLKENAAKDGVKTTASGLQYKITKQGEGKQPTKDDIVTVEYEGRLID
g576-1.pep
          KADAKANKEKGEAFLKENAAKDGVKTTASGLQYKITKQGEGKQPTKDDIVTVEYEGRLID
m576-1
                               150
                                       160
                                               170
                                                       180
                130
                        140
                        200
                               210
                                       220
                                               230
                                                       240
                190
          GTVFDSSKANGGPATFPLSQVIPGWTEGVRLLKEGGEATFYIPSNLAYREQGAGEKIGPN
g576-1.pep
          GTVFDSSKANGGPVTFPLSQVIPGWTEGVQLLKEGGEATFYIPSNLAYREQGAGDKIGPN
m576-1
                190
                        200
                               210
                                       220
                                               230
                                270
                250
                        260
          ATLVFDVKLVKIGAPENAPAKQPDQVDIKKVNX
q576-1.pep
          m576-1
          ATLVFDVKLVKIGAPENAPAKQPAQVDIKKVNX
                        260
                250
```

The following DNA sequence was identified in N. meningitidis <SEQ ID 30>: a576-1.seg

7.00	q				
1	ATGAACACCA	TTTTCAAAAT	CAGCGCACTG	ACCCTTTCCG	CCGCTTTGGC
51	ACTTTCCGCC	TGCGGCAAAA	AAGAAGCCGC	CCCCGCATCT	GCATCCGAAC
101	CTGCCGCCGC	TTCTTCCGCG	CAGGGCGACA	CCTCTTCGAT	CGGCAGCACG
151	ATGCAGCAGG	CAAGCTATGC	GATGGGCGTG	GACATCGGAC	GCTCCCTGAA
201	GCAAATGAAG	GAACAGGGCG	CGGAAATCGA	TTTGAAAGTC	TTTACCGAAG
251	CCATGCAGGC	AGTGTATGAC	GGCAAAGAAA	TCAAAATGAC	CGAAGAGCAG
301	GCTCAGGAAG	TCATGATGAA	ATTCCTTCAG	GAACAACAGG	CTAAAGCCGT
351	AGAAAAACAC	AAGGCGGACG	CGAAGGCCAA	TAAAGAAAAA	GGCGAAGCCT
401	TTCTGAAAGA	AAATGCCGCC	AAAGACGGCG	TGAAGACCAC	TGCTTCCGGC
451	CTGCAATACA	AAATCACCAA	ACAGGGCGAA	GGCAAACAGC	CGACCAAAGA
501	CGACATCGTT	ACCGTGGAAT	ACGAAGGCCG	CCTGATTGAC	GGTACGGTAT
551	TCGACAGCAG	CAAAGCCAAC	GGCGGCCCGG	TCACCTTCCC	TTTGAGCCAA
601	GTGATTCTGG	GTTGGACCGA	AGGCGTACAG	CTTCTGAAAG	AAGGCGGCGA
651	AGCCACGTTC	TACATCCCGT	CCAACCTTGC	CTACCGCGAA	CAGGGTGCGG
701	GCGACAAAAT	CGGCCCGAAC	GCCACTTTGG	TATTTGATGT	GAAACTGGTC

201 251

301

751 AAAATCGGCG CACCCGAAAA CGCGCCCGCC AAGCAGCCGG CTCAAGTCGA 801 CATCAAAAAA GTAAATTAA This corresponds to the amino acid sequence <SEQ ID 31; ORF 576-1.a>: a576-1.pep MNTIFKISAL TLSAALALSA CGKKEAAPAS ASEPAAASSA QGDTSSIGST 51 MQQASYAMGV DIGRSLKQMK EQGAEIDLKV FTEAMQAVYD GKEIKMTEEO AQEVMMKFLQ EQQAKAVEKH KADAKANKEK GEAFLKENAA KDGVKTTASG 101 LQYKITKQGE GKQPTKDDIV TVEYEGRLID GTVFDSSKAN GGPVTFPLSO 151 VILGWTEGVQ LLKEGGEATF YIPSNLAYRE QGAGDKIGPN ATLVFDVKLV KIGAPENAPA KQPAQVDIKK VN* a576-1/m576-1 ORFs 576-1 and 576-1.a 99.6% identity in 272 aa overlap 20 30 MNTIFKISALTLSAALALSACGKKEAAPASASEPAAASSAQGDTSSIGSTMQQASYAMGV a576-1.pep m576-1MNTIFKISALTLSAALALSACGKKEAAPASASEPAAASSAQGDTSSIGSTMQQASYAMGV 10 20 30 40 50 60 70 80 90 100 110 120 DIGRSLKOMKEQGAEIDLKVFTEAMQAVYDGKEIKMTEEQAQEVMMKFLQEQQAKAVEKH a576-1.pep DIGRSLKQMKEQGAEIDLKVFTEAMQAVYDGKEIKMTEEQAQEVMMKFLQEQQAKAVEKH m576-1 70 80 90 100 130 140 150 160 170 180 a576-1.pep. KADAKANKEKGEAFLKENAAKDGVKTTASGLQYKITKQGEGKQPTKDDIVTVEYEGRLID KADAKANKEKGEAFLKENAAKDGVKTTASGLQYKITKQGEGKQPTKDDIVTVEYEGRLID m576-1 130 140 150 160 170 180 190 200 210 220 230 240 a576-1.pep GTVFDSSKANGGPVTFPLSQVILGWTEGVQLLKEGGEATFYIPSNLAYREQGAGDKIGPN GTVFDSSKANGGPVTFPLSQVIPGWTEGVQLLKEGGEATFYIPSNLAYREQGAGDKIGPN m576-1190 200 210 220 230 240 250 260 ATLVFDVKLVKIGAPENAPAKQPAQVDIKKVNX a576-1.pep m576-1 ATLVFDVKLVKIGAPENAPAKQPAQVDIKKVNX 250 260 270 919 and 919-2 gnm43.seq The following partial DNA sequence was identified in N.meningitidis <SEQ ID 32>: m919.seq ATGAAAAAAT ACCTATTCCG CGCCGCCCTG TACGGCATCG CCGCCGCCAT 1 CCTCGCCGCC TGCCAAAGCA AGAGCATCCA AACCTTTCCG CAACCCGACA 51 CATCCGTCAT CAACGGCCCG GACCGGCCGG TCGGCATCCC CGACCCCGCC 101 GGAACGACGG TCGGCGGCGG CGGGGCCGTC TATACCGTTG TACCGCACCT 151

GTCCCTGCCC CACTGGGCGG CGCAGGATTT CGCCAAAAGC CTGCAATCCT

TCCGCCTCGG CTGCGCCAAT TTGAAAAACC GCCAAGGCTG GCAGGATGTG TGCGCCCAAG CCTTTCAAAC CCCCGTCCAT TCCTTTCAGG CAAAACAGTT

TTTTGAACGC TATTTCACGC CGTGGCAGGT TGCAGGCAAC GGAAGCCTTG

401		TACCGGCTAT			
451	CGGACGGCAC	AAGCCCGCTT	CCCGATTTAC	GGTATTCCCG	ACGATTTTAT
501	CTCCGTCCCC	CTGCCTGCCG	GTTTGCGGAG	CGGAAAAGCC	CTTGTCCGCA
551	TCAGGCAGAC	GGGAAAAAAC	AGCGGCACAA	TCGACAATAC	CGGCGGCACA
601	CATACCGCCG	ACCTCTCCcG	ATTCCCCATC	ACCGCGCGCA	CAACAGCAAT
651	CAAAGGCAGG	TTTGAAGGAA	GCCGCTTCCT	CCCCTACCAC	ACGCGCAACC
701	AAATCAACGG	CGGCGCGCTT	GACGGCAAAG	CCCCGATACT	CGGTTACGCC
751	GAAGACCCTG	TCGAACTTTT	TTTTATGCAC	ATCCAAGGCT	CGGGCCGTCT
801	GAAAACCCCG	TCCGGCAAAT	ACATCCGCAT	CGGCTATGCC	GACAAAAACG
851	AACATCCYTA	CGTTTCCATC	GGACGCTATA	TGGCGGATAA	GGGCTACCTC
901	AAACTCGGAC	AAACCTCCAT	GCAGGGCATT	AAGTCTTATA	TGCGGCAAAA
951		CTCGCCGAAG			
1001		TGCCGGAAGC			
1051		TGGGGGAATA			
1101		CCCTTATTTG			
1151		CCTGATTATG			
1201		TGGATTATTT			
1251	TGCCGGCAAA	CAGAAAACCA	CGGGATATGT	CTGGCAGCTC	CTACCCAACG
1301	GTATGAAGCC	CGAATACCGC	CCGTAA		

This corresponds to the amino acid sequence <SEQ ID 33; ORF 919>: m919.pep

. pep					
i	MKKYLFRAAL	YGIAAAILAA	COSKSIQTFP	QPDTSVINGP	DRPVGIPDPA
51	GTTVGGGGAV	YTVVPHLSLP	HWAAQDFAKS	LOSFRLGCAN	LKNRQGWQDV
101	CAOAFOTPVH	SFQAKQFFER	YFTPWQVAGN	GSLAGTVTGY	YEPVLKGDDR
151	RTAOARFPIY	GIPDDFISVP	LPAGLRSGKA	LVRIRQTGKN	SGTIDNTGGT
201		TARTTAIKGR			
251	EDDVET.FFMH	IQGSGRLKTP	SGKYIRIGYA	DKNEHPYVSI	GRYMADKGYL
301	KT.GOTSMOGT	KSYMRQNPQR	LAEVLGONPS	YIFFRELAGS	SNDGPVGALG
351	TDIMCEVACA	VDRHYITLGA	PLFVATAHPV	TRKALNRLIM	AQDTGSAIKG
		GDEAGELAGK			
401	AVKVDIFWGI	GDENGELMGK	SICT TOTAINED		-

The following partial DNA sequence was identified in N.meningitidis <SEQ ID 34>:

m919-2.seq

```
1 ATGAAAAAAT ACCTATTCCG CGCCGCCCTG TACGGCATCG CCGCCGCCAT
 51 CCTCGCCGCC TGCCAAAGCA AGAGCATCCA AACCTTTCCG CAACCCGACA
101 CATCCGTCAT CAACGGCCCG GACCGGCCGG TCGGCATCCC CGACCCCGCC
151 GGAACGACGG TCGGCGGCGG CGGGGCCGTC TATACCGTTG TACCGCACCT
201 GTCCCTGCCC CACTGGGCGG CGCAGGATTT CGCCAAAAGC CTGCAATCCT
251 TCCGCCTCGG CTGCGCCAAT TTGAAAAACC GCCAAGGCTG GCAGGATGTG
301 TGCGCCCAAG CCTTTCAAAC CCCCGTCCAT TCCTTTCAGG CAAAACAGTT
351 TTTTGAACGC TATTTCACGC CGTGGCAGGT TGCAGGCAAC GGAAGCCTTG
401 CCGGTACGGT TACCGGCTAT TACGAACCGG TGCTGAAGGG CGACGACAGG
451 CGGACGGCAC AAGCCCGCTT CCCGATTTAC GGTATTCCCG ACGATTTAT
501 CTCCGTCCCC CTGCCTGCCG GTTTGCGGAG CGGAAAAGCC CTTGTCCGCA
551 TCAGGCAGAC GGGAAAAAAC AGCGGCACAA TCGACAATAC CGGCGGCACA
601 CATACCGCCG ACCTCTCCCG ATTCCCCATC ACCGCGCGCA CAACAGCAAT
651 CAAAGGCAGG TTTGAAGGAA GCCGCTTCCT CCCCTACCAC ACGCGCAACC
701 AAATCAACGG CGGCGCGCTT GACGGCAAAG CCCCGATACT CGGTTACGCC
     GAAGACCCTG TCGAACTTTT TTTTATGCAC ATCCAAGGCT CGGGCCGTCT
801 GAAAACCCCG TCCGGCAAAT ACATCCGCAT CGGCTATGCC GACAAAAACG
851 AACATCCCTA CGTTTCCATC GGACGCTATA TGGCGGATAA GGGCTACCTC
 901 AAACTCGGAC AAACCTCCAT GCAGGGCATT AAGTCTTATA TGCGGCAAAA
 951 TCCGCAACGC CTCGCCGAAG TTTTGGGTCA AAACCCCAGC TATATCTTTT
1001 TCCGCGAGCT TGCCGGAAGC AGCAATGACG GCCCTGTCGG CGCACTGGGC
1051 ACGCCGCTGA TGGGGGAATA TGCCGGCGCA GTCGACCGGC ACTACATTAC
1101 CTTGGGTGCG CCCTTATTTG TCGCCACCGC CCATCCGGTT ACCCGCAAAG
1151 CCCTCAACCG CCTGATTATG GCGCAGGATA CCGGCAGCGC GATTAAAGGC
```

```
1201 GCGGTGCGCG TGGATTATTT TTGGGGATAC GGCGACGAAG CCGGCGAACT
```

1251 TGCCGGCAAA, CAGAAAACCA CGGGATATGT CTGGCAGCTC CTACCCAACG

1301 GTATGAAGCC CGAATACCGC CCGTAA

This corresponds to the amino acid sequence <SEQ ID 35; ORF 919-2>:

m919-2.pep

```
1 MKKYLFRAAL YGIAAAILAA CQSKSIQTFP QPDTSVINGP DRPVGIPDPA
51 GTTVGGGGAV YTVVPHLSLP HWAAQDFAKS LQSFRLGCAN LKNRQGWQDV
101 CAQAFQTPVH SFQAKQFFER YFTPWQVAGN GSLAGTVTGY YEPVLKGDDR
151 RTAQARFPIY GIPDDFISVP LPAGLRSGKA LVRIRQTGKN SGTIDNTGGT
201 HTADLSRFPI TARTTAIKGR FEGSRFLPYH TRNQINGGAL DGKAPILGYA
251 EDPVELFFMH IQGSGRLKTP SGKYIRIGYA DKNEHPYVSI GRYMADKGYL
301 KLGQTSMQGI KSYMRQNPQR LAEVLGQNPS YIFFRELAGS SNDGPVGALG
351 TPLMGEYAGA VDRHYITLGA PLFVATAHPV TRKALNRLIM AQDTGSAIKG
401 AVRVDYFWGY GDEAGELAGK QKTTGYVWQL LPNGMKPEYR P*
```

The following partial DNA sequence was identified in N.gonorrhoeae <SEQ ID 36>: g919.seq

```
ATGAAAAAC ACCTGCTCCG CTCCGCCCTG TACGGCatCG CCGCCGCCAT
  51
     CctcgCCGCC TGCCAAAgca gGAGCATCCA AACCTTTCCG CAACCCGACA
101
     CATCCGTCAT CAACGGCCCG GACCGGCCGG CCGGCATCCC CGACCCCGCC
     GGAACGACGG TTGCCGGCGG CGGGGCCGTC TATACCGTTG TGCCGCACCT
     GTCCATGCCC CACTGGGCGG CGCaggATTT TGCCAAAAGC CTGCAATCCT
201
     TCCGCCTCGG CTGCGCCAAT TTGAAAAACC GCCAAGGCTG GCAGGATGTG
251
301
     TGCGCCCAAG CCTTTCAAAC CCCCGTGCAT TCCTTTCAGG CAAAGCGGTT
     TTTTGAACGC TATTTCACGC cgtGGCaggt tgcaggcaAC GGAAGcCTTG
351
401 Caggtacggt TACCGGCTAT TACGAACCGG TGCTGAAGGG CGACGGCAGG
451 CGGACGGAAC GGGCCCGCTT CCCGATTTAC GGTATTCCCG ACGATTTTAT
501 CTCCGTCCCG CTGCCTGCCG GTTTGCGGGG CGGAAAAAAC CTTGTCCGCA
551 TCAGGCAGac ggGGAAAAAC AGCGGCACGA TCGACAATGC CGGCGGCACG
601 CATACCGCCG ACCTCTCCCG ATTCCCCATC ACCGCGCGCA CAACGGcaat
651 caaaGGCAGG TTTGAaggAA GCCGCTTCCT CCCTTACCAC ACGCGCAACC
701 AAAtcaacGG CGGCgcgcTT GACGGCAAag cccCCATCCT CggttacgcC
751 GAagaccCcG tcgaacttTT TTTCATGCAC AtccaaggCT CGGGCCGCCT
801 GAAAACCCcg tccggcaaat acatCCGCAt cggaTacgcc gacAAAAACG
851 AACAtccgTa tgtttccatc ggACGctaTA TGGCGGACAA AGGCTACCTC
901 AAGCtcgggc agACCTCGAT GCAGGgcatc aaagcCTATA TGCGGCAAAA
951 TCCGCAACGC CTCGCCGAAG TTTTGGGTCA AAACCCCAGC TATATCTTTT
1001 TCCGCGAGCT TGCCGGAAGC GGCAATGAGG GCCCCGTCGG CGCACTGGGC
1051 ACGCCACTGA TGGGGGAATA CGCCGGCGCA ATCGACCGGC ACTACATTAC
1101 CTTGGGCGCG CCCTTATTTG TCGCCACCGC CCATCCGGTT ACCCGCAAAG
1151 CCCTCAACCG CCTGATTATG GCGCAGGATA CAGGCAGCGC GATCAAAGGC
1201 GCGGTGCGCG TGGATTATTT TTGGGGTTAC GGCGACGAAG CCGGCGAACT
     TGCCGGCAAA CAGAAAACCA CGGGATACGT CTGGCAGCTC CTGCCCAACG
1301 GCATGAAGCC CGAATACCGC CCGTGA
```

This corresponds to the amino acid sequence <SEQ ID 37; ORF 919.ng>: g919.pep

```
MKKHLLRSAL YGIAAAILAA CQSRSIQTFP QPDTSVINGP DRPAGIPDPA
51 GTTVAGGGAV YTVVPHLSMP HWAAQDFAKS LQSFRLGCAN LKNRQGWQDV
101 CAQAFQTPVH SFQAKRFFER YFTPWQVAGN GSLAGTVTGY YEPVLKGDGR
151 RTERARFPIY GIPDDFISVP LPAGLRGGKN LVRIRQTGKN SGTIDNAGGT
201 HTADLSRFPI TARTTAIKGR FEGSRFLPYH TRNQINGGAL DGKAPILGYA
251 EDPVELFFMH IQGSGRLKTP SGKYIRIGYA DKNEHPYVSI GRYMADKGYL
301 KLGQTSMQGI KAYMRQNPQR LAEVLGQNPS YIFFRELAGS GNEGPVGALG
351 TPLMGEYAGA IDRHYITLGA PLFVATAHPV TRKALNRLIM AQDTGSAIKG
401 AVRVDYFWGY GDEAGELAGK QKTTGYVWQL LPNGMKPEYR P*
```

ORF 919 shows 95.9 % identity over a 441 aa overlap with a predicted ORF (ORF 919.ng) from N. gonorrhoeae:

m919/g919

	10	20	30	40	50	60
m919.pep	MKKYLFRAALYGIAA	AILAACQSK	SIQTFPQPDT:	5VINGPDRPV0 	31 PDPAGTTV	:
g919	MKKHLLRSALYGIAA	AILAACOSR	SIQTFPQPDT	SVINGPDRPA	3I PDPAGTTV	AGGGAV
	10	20	30	40	50	60
•	70	80	90	100	110	120
m919.pep	YTVVPHLSLPHWAAC					
-010	: :					
g919	70	30 35 36 36 36 36 36 36 36 36 36 36 36 36 36	90	100	110	120
		444			. = -	
-010 non	130 YFTPWQVAGNGSLAG	140 בייעייביעייבי	150 T.KGDDRRTAO	160 ARFPTYGTPD	170 Detsvelpag	180 I.RSGKA
m919.pep			:			:
g919	YFTPWQVAGNGSLAC	STVTGYYEPV	LKGDGRRTER	ARFPIYGIPD	DFISVPLPAG	LRGGKN
	130	140	150	160	170	180
	190	200	210	220	230	240
m919.pep	LVRIRQTGKNSGTII	ONTGGTHTAD	LSRFPITART	TAIKGRFEGS	RFLPYHTRNC	INGGAL
~010		: Масститат	 SRFPTTART:		RELPYHTRNO	TNGGAL
g919	190	200	210	220	230	240
		0.60	000	200	200	200
m919.pep	250 DGKAPILGYAEDPVI	260 ELFFMHIOGS	270 GRLKTPSGKY	280 IRIGYADKNE	290 HPYVSIGRYM	300 MADKGYL
my1y.pcp			1111111111	1111111111	1111111111	
g919	DGKAPILGYAEDPVI					
	250	260	270	280	290	300
	310	320	330	340	350	360
m919.pep	KLGQTSMQGIKSYMI	RQNPQRLAEV	/LGQNPSYIFF	RELAGSSNDG	PVGALGTPL	MGEYAGA
g919	: 		/LGQNPSYIFF	RELAGSGNEG	PVGALGTPLI PVGALGTPL	IIIIIII 1GEYAGA
3	310	320	330	340	350	360
	3,70	380	390	400	410	420
m919.pep	VDRHYITLGAPLFV					
	: [] [] [] [] []					
g919	IDRHYITLGAPLFV	ATAHPVTRKA 380	ALNRLIMAQDI 390	rgsalkgavkv 400	DYFWGYGDE/ 410	AGELAGK 420
	3,0	300	330	-00		
	430	440				
m919.pep	QKTTGYVWQLLPNG					
g919 .	QKTTGYVWQLLPNG					
	430	440				

The following partial DNA sequence was identified in *N.meningitidis* <SEQ ID 38>: a919.seq

1	ATGAAAAAAT	ACCTATTCCG	CGCCGCCCTG	TGCGGCATCG	CCGCCGCCAT	
· 51	CCTCGCCGCC	TGCCAAAGCA	AGAGCATCCA	AACCTTTCCG	CAACCCGACA	
101				TCGGCATCCC		
151				TATACCGTTG		
201				CGCCAAAAGC		
251				GCCAAGGCTG		
301				TCCGTTCAGG		
351	TTTTGAACGC	TATTTCACGC	CGTGGCAGGT	TGCAGGCAAC	GGAAGCCTTG	
401	CCGGTACGGT	TACCGGCTAT	TACGAGCCGG	TGCTGAAGGG	CGACGACAGG	
451	CGGACGGCAC	AAGCCCGCTT	CCCGATTTAC	GGTATTCCCG	ACGATTTTAT	
501				CGGAAAAGCC		
551				TCGACAATAC		
601				ACTGCGCGCA		
651				CCCCTACCAC		
. 701				CCCCGATACT		
751				ATCCAAGGCT		
801				CGGCTATGCC		
851				TGGCGGACAA		
. 901					TGCAGCAAAA	
951				AAACCCCAGC		
1001				GCCCTGTCGG		
1051				GTCGACCGGC		
1101				CCATCCGGTT		
1151				CCGGCAGCGC		
1201				GGCGACGAAG		
1251	TGCCGGCAAA	CAGAAAACCA	CGGGATATGT	CTGGCAGCTT	CTGCCCAACG	
1301		CGAATACCGC		0.000.001	CIOCCCARCG	
This correspond	s to the amin	o acid seque	nce <seo ii<="" td=""><td>D 39: ORF 9</td><td>19 a>∙</td><td></td></seo>	D 39: ORF 9	19 a>∙	
a919.pep		o uota soque		5 55, Old 5	17.00	
1 a 313.pep	MVVVI PDAAT	CCTAAATTAA	COCKCTOMED	QPDTSVINGP	DDDUCTDDDA	
51						
101				LQSFRLGCAN GSLAGTVTGY		
. 151						
201				LVRIROTGKN	DGKAPILGYA	
251				DKNEHPYVSI		
301						
351				YIFFRELTGS TRKALNRLIM		
401				LPNGMKPEYR		
401	AVAVDIENGI	GUEAGELAGK	OVIIGIAMOT	LPNGMAPEIR	F"	
m010/c010 O	DEc 010 and	010 a abayya	A 6 00 60/ 12	lantitu in 111	مماسين	
m919/a919 O	Nrs 313 and			=	•	
			20 3		50	60
m919.pep					DRPVGIPDPAGTI	
	111111		Пинин			111111
a919	MKKYLFR				DRPVGIPDPAGTI	
		10	20 3	0 40	50	. 60
		50				
			90 9		110	120
m919.pep	YTVVPHL	SLPHWAAQDFAI	KSLOSFRLGCA	NLKNRQGWQDV	CAQAFQTPVHSFQ	AKQFFER
010				13 1 1 1 1 1	11111111111	
a919	YTVVPHL				CAQAFQTPVHSVQ	
		70 .	30 9	0 100	110	120
-010			40 15		. 170	180
m919.pep	1 FTPWQV	AGNGSLAGTVT	SYYEPVLKGDD.	RRTAQARFPIY	GIPDDFISVPLPA	GLRSGKA
010	1111111	11111111111	1			1111111
a919					GIPDDFISVPLPA	
		130 1	10 15	0 160	170	180
		100	20 ==		.	
-010			00 21		230	240
m919.pep	TAKIRÖL	JKNSGTIDNTG(JTHTAULSRFP	lTARTTAIKGR	FEGSRFLPYHTRN	QINGGAL
	1111111	rinnun.		111111111111	LI I I I I I I I I I I I I I I I I I I	

a919	LVRIRQTGKNSGTI	DNTGGTHTAD	LSQFPITART	TAIKGRFEGS	RFLPYHTRN(DINGGAL
	190	200	210	220	230	240
	252	262	020	200		200
010	250	260	270	280	290	300
m919.pep	DGKAPILGYAEDPV	Pretunides	GKTV1 L9GV1	ITETETADUNE	neivalgkii	IIIIIIII
-010	DGKAPILGYAEDP\					
a919 _.	250	260	270	280	290	300
	230	260	210	200	290	300
	310	320	330	340	350	360
m919.pep	KLGOTSMOGIKSYN					
M3231Pop				1111:11111	11111111	
a919	KLGOTSMOGIKAYN	100NPORLAEV	LGONPSYIFE	RELTGSSNDG	PVGALGTPLI	MGEYAGA
	310	320	330	340	350	360
	370	380	390	400	410	420
m919.pep	VDRHYITLGAPLF\	/ATAHPVTRK/	ALNRLIMAQDI	rgsaikgavrv	DYFWGYGDE	AGELAGK
	1111111111111		[]]]]]]	[[] [] [] [] [] [] [] [] [] [111111111	
a919	VDRHYITLGAPLF\	/ATAHPVTRK/	LNRLIMAQD'	rgsaikgavrv	DYFWGYGDE	
	370	380	390	400	410	420
	430	440				
m919.pep	QKTTGYVWQLLPN(SMKPEYRPX				
		1				
a919	QKTTGYVWQLLPN(SMKPEYRPX				
	430 440					

121 and 121-1

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 40>: m121.seq

1	ATGGAAACAC	AGCTTTACAT	CGGCATCATG	TCGGGAACCA	GCATGGACGG
51	GGCGGATGCC	GTACTGATAC	GGATGGACGG	CGGCAAATGG	CTGGGCGCGG
101	AAGGGCACGC	CTTTACCCCC	TACCCCGGCA	GGTTACGCCG	CCAATTGCTG
151	GATTTGCAGG	ACACAGGCGC	AGACGAACTG	CACCGCAGCA	GGATTTTGTC
201	GCAAGAACTC	AGCCGCCTAT	ATGCGCAAAC	CGCCGCCGAA	CTGCTGTGCA
251	GTCAAAACCT	CGCACCGTCC	GACATTACCG	CCCTCGGCTG	CCACGGGCAA
301	ACCGTCCGAC	ACGCGCCGGA	ACACGGTTAC	AGCATACAGC	TTGCCGATTT
351	GCCGCTGCTG	GCGxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
401	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
451	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
501	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
551	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
601	xxxxxxCAGC	TTCCTTACGA	CAAAAACGGT	GCAAAGTCGG	CACAAGGCAA
651	CATATTGCCG	CAACTGCTCG	ACAGGCTGCT	CGCCCACCCG	TATTTCGCAC
701	AACGCCACCC	TAAAAGCACG	GGGCGCGAAC	TGTTTGCCAT	AAATTGGCTC
751	GAAACCTACC	TTGACGGCGG	CGAAAACCGA	TACGACGTAT	TGCGGACGCT
801	TTCCCGTTTT	ACCGCGCAAA	CCGTTTGCGA	CGCCGTCTCA	CACGCAGCGG
851	CAGATGCCCG	TCAAATGTAC	ATTTGCGACG	GCGGCATCCG	CAATCCTGTT
901	TTAATGGCGG	ATTTGGCAGA	ATGTTTCGGC	ACACGCGTTT	CCCTGCACAG
951	CACCGCCGAC	CTGAACCTCG	ATCCGCAATG	GGTGGAAGCC	GCCGnATTTG
1001	CGTGGTTGGC	GGCGTGTTGG	ATTAATCGCA	TTCCCGGTAG	TCCGCACAAA
1051	GCAACCGGCG	CATCCAAACC	GTGTATTCTG	Ancgcgggat	ATTATTATTG
1101	A				

This corresponds to the amino acid sequence <SEQ ID 41; ORF 121>: m121.pep

- 1 METQLYIGIM SGTSMDGADA VLIRMDGGKW LGAEGHAFTP YPGRLRRQLL 51 DLQDTGADEL HRSRILSQEL SRLYAQTAAE LLCSQNLAPS DITALGCHGQ

101				xxxxxxxxx	
151	XXXXXXXXX				
201	XXQLPYDKNG	AKSAQGNILP	QLLDRLLAHP	YFAQRHPKST	GRELFAINWL
251	ETYLDGGENR	YDVLRTLSRF	TAQTVCDAVS	HAAADARQMY	ICDGGIRNPV
301					INRIPGSPHK
351	ATCASKPCTI.	XACYYY*	-		

The following partial DNA sequence was identified in N. gonorrhoeae <SEQ ID 42>: g121.seq

1	ATGGAAACAC	AGCTTTACAT	CGGCATTATG	TCGGGAACCA	GTATGGACGG
51	GGCGGATGCC	GTGCTGGTAC	GGATGGACGG	CGGCAAATGG	CTGGGCGCGG
101	AAGGGCACGC	CTTTACCCCC	TACCCTGACC	GGTTGCGCCG	CAAATTGCTG
151				CACCGCAGCA	
201	GCAAGAACTC	AGCCGCCTGT	ACGCGCAAAC	CGCCGCCGAA	CTGCTGTGCA
251	GTCAAAACCT	CGCTCCGTGC	GACATTACCG	CCCTCGGCTG	CCACGGGCAA
301	ACCGTCCGAC	ACGCGCCGGA	ACACGGTtac	AGCATACAGC	TTGCCGATTT
351	GCCGCTGCTG	GCGGAACTGa	cgcggatttT	TACCGTCggc	gacttcCGCA
401	GCCGCGACCT	TGCTGCCGGC	GGacaAGGTG	CGCCGCTCGT	CCCCGCCTTT
451	CACGAAGCCC	TGTTCCGCGA	TGACAGGGAA	ACACGCGTGG	TACTGAACAT
501				CCCCGGCGCA	
551	GCTTCGACAC	AGGCCGGGC	AATATGCTGA	TGGAcgcgtg	gacgcaggca
601	cacTGGcagc	TGCCTTACGA	CAAAAacggt	gcAAAGgcgg	CacAAGGCAA
651	catatTGCcg	CAACTGCTCG	gcaggctGCT	CGCCcaccCG	TATTTCTCAC
701	AACCCcaccc	aaAAAGCACG	GGgcGCGaac	TgtttgcccT	AAattggctc
751				tacgacgtat	
801				cgccgtctca	CACGCAGCGG
851	CAGATGCCCG	TCAAATGTAC	ATTTGCGGCG	GCGGCATCCG	CAATCCTGTT
901	TTAATGGCGG	ATTTGGCAGA	ATGTTTCGGC	ACACGCGTTT	CCCTGCACAG
951	CACCGCCGAA	CTGAACCTCG	ATCCTCAATG	GGTGGAGGCG	gccgCATTtg
1001	cgtggttggC	GGCGTGTTGG	ATTAACCGCA	TTCCCGGTAG	TCCGCACAAA
1051	GCGACCGGCG	CATCCAAACC	GTGTATTCTG	GGCGCGGGAT	ATTATTATTG
1101	A				

This corresponds to the amino acid sequence <SEQ ID 43; ORF 121.ng>: g121.pep

```
1 METQLYIGIM SGTSMDGADA VLVRMDGGKW LGAEGHAFTP YPDRLRRKLL
51 DLQDTGTDEL HRSRMLSQEL SRLYAQTAAE LLCSQNLAPC DITALGCHGQ
101 TVRHAPEHGY SIQLADLPLL AELTRIFTVG DFRSRDLAAG GQGAPLVPAF
151 HEALFRDDRE TRVVLNIGGI ANISVLPPGA PAFGFDTGPG NMLMDAWTQA
201 HWQLPYDKNG AKAAQGNILP QLLGRLLAHP YFSQPHPKST GRELFALNWL
251 ETYLDGGENR YDVLRTLSRF TAQTVWDAVS HAAADARQMY ICGGGIRNPV
301 LMADLAECFG TRVSLHSTAE LNLDPQWVEA AAFAWLAACW INRIPGSPHK
351 ATGASKPCIL GAGYYY*
```

ORF 121 shows 73.5% identity over a 366 aa overlap with a predicted ORF (ORF121.ng) from N. gonorrhoeae: m121/g121

	. 10	20	30	40	50	60
m121.pep	METQLYIGIMSGT	SMDGADAVLI	RMDGGKWLGAE	EGHAFTPYPGF	LRRQLLDLQ	TGADEL
					111:11111	
g121	METQLYIGIMSGT	SMDGADAVLVI	RMDGGKWLGAE	EGHAFTPYPDF	LRRKLLDLQ	TGTDEL
	10	20	30	40	50	60
	70	80	90	100	110	120
m121.pep	HRSRILSQELSRL	YAQTAAELLC	SQNLAPSDITA	ALGCHGQTVRH	APEHGYSIQI	ADLPLL
•			[[]]	111111111111	HIBBERT	111111
g121	HRSRMLSQELSRL	YAQTAAELLC	SQNLAPCDITA	ALGCHGQTVRH	APEHGYSIO	ADLPLL
	70	80	90	100	110	120
	130	140	150	160	170	180

m121.pep	XXXXXXXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXX	XXXXXX
	1 : :			:		
g121	AELTRIFTVGDFRS	SRDLAAGGQG	APLVPAFHEA L	FRDDRETRVV	LNIGGIANI	SVLPPGA
	130	140	150	160	170	180
	190	200	210	220	230	240
m121.pep	XXXXXXXXXXXXX	QXXXXXXXX	LPYDKNGAKSA	QGNILPQLLC	RLLAHPYFA	QRHPKST
	:	: 1	131311111:1	інши	111111111:	1 11111
g121	PAFGFDTGPGNML	IDAWTQAHWQ	LPYDKNGAKAA	QGNILPQLLC	RLLAHPYFS	QPHPKST
-	190	200	210	220	230	240
	250	260	270	280	290	300
m121.pep	GRELFAINWLETY]	LDGGENRYDV	LRTLSRFTAQT	VCDAVSHAAA	DARQMYICD	GGIRNPV
	111111:11111		1111111111111	1 111111111	11111111	1111111
g121	GRELFALNWLETY!	LDGGENRYDV	LRTLSRFTAQT	VWDAVSHAAA	DARQMYICG	GGIRNPV
,	250	260	270	280	290	300
•	310	320	330	340	350	360
m121.pep	LMADLAECFGTRV:	SLHSTADLNL	DPQWVEAAXFA	WLAACWINR	PGSPHKATG	ASKPCIL
		111111:111	111111111111111111111111111111111111111	111111111		
g121	LMADLAECFGTRV	SLHSTAELNL	DPQWVEAAAFA	WLAACWINR	PGSPHKATG	ASKPCIL
	310	320	330	340	350	360
m121.pep	XAGYYYX					
mrzr.beb	111111					
m1 21	GAGYYYX					
g121	GAGIIIA					

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 44>:

```
al21.seq
         ATGGAAACAC AGCTTTACAT CGGCATCATG TCGGGAACCA GCATGGACGG
         GGCGGATGCC GTACTGATAC GGATGGACGG CGGCAAATGG CTGGGCGCGG
    101 AAGGGCACGC CTTTACCCCC TACCCCGGCA GGTTACGCCG CAAATTGCTG
     151 GATTTGCAGG ACACAGGCGC GGACGAACTG CACCGCAGCA GGATGTTGTC
         GCAAGAACTC AGCCGCCTGT ACGCGCAAAC CGCCGCCGAA CTGCTGTGCA
     251
         GTCAAAACCT CGCGCCGTCC GACATTACCG CCCTCGGCTG CCACGGGCAA
     301 ACCGTCAGAC ACGCGCCGGA ACACAGTTAC AGCGTACAGC TTGCCGATTT
     351 GCCGCTGCTG GCGGAACGGA CTCAGATTTT TACCGTCGGC GACTTCCGCA
     401 GCCGCGACCT TGCGGCCGGC GGACAAGGCG CGCCGCTCGT CCCCGCCTTT
     451 CACGAAGCCC TGTTCCGCGA CGACAGGGAA ACACGCGCGG TACTGAACAT
         CGGCGGGATT GCCAACATCA GCGTACTCCC CCCCGACGCA CCCGCCTTCG
     501
         GCTTCGACAC AGGACCGGGC AATATGCTGA TGGACGCGTG GATGCAGGCA
     551
         CACTGGCAGC TTCCTTACGA CAAAAACGGT GCAAAGGCGG CACAAGGCAA
     601
     651 CATATTGCCG CAACTGCTCG ACAGGCTGCT CGCCCACCCG TATTTCGCAC
     701 AACCCCACCC TAAAAGCACG GGGCGCGAAC TGTTTGCCCT AAATTGGCTC
         GAAACCTACC TTGACGGCGG CGAAAACCGA TACGACGTAT TGCGGACGCT
     801 TTCCCGATTC ACCGCGCAAA CCGTTTTCGA CGCCGTCTCA CACGCAGCGG
         CAGATGCCCG TCAAATGTAC ATTTGCGGCG GCGGCATCCG CAATCCTGTT
     851
         TTAATGGCGG ATTTGGCAGA ATGTTTCGGC ACACGCGTTT CCCTGCACAG
          CACCGCCGAA CTGAACCTCG ATCCGCAATG GGTAGAAGCC GCCGCGTTCG
         CATGGATGGC GGCGTGTTGG GTCAACCGCA TTCCCGGTAG TCCGCACAAA
    1001
         GCAACCGGCG CATCCAAACC GTGTATTCTG GGCGCGGGAT ATTATTATTG
    1051
    1101
```

This corresponds to the amino acid sequence <SEQ ID 45; ORF 121.a>:

```
al21.pep

1 METQLYIGIM SGTSMDGADA VLIRMDGGKW LGAEGHAFTP YPGRLRRKLL
51 DLQDTGADEL HRSRMLSQEL SRLYAQTAAE LLCSQNLAPS DITALGCHGQ
101 TVRHAPEHSY SVQLADLPLL AERTQIFTVG DFRSRDLAAG GQGAPLVPAF
151 HEALFRDDRE TRAVLNIGGI ANISVLPPDA PAFGFDTGPG NMLMDAWMQA
201 HWQLPYDKNG AKAAQGNILP QLLDRLLAHP YFAQPHPKST GRELFALNWL
251 ETYLDGGENR YDVLRTLSRF TAQTVFDAVS HAAADARQMY ICGGGIRNPV
301 LMADLAECFG TRVSLHSTAE LNLDPQWVEA AAFAWMAACW VNRIPGSPHK
```

351 ATGASKPCIL GAGYYY*

	351	ATGASKPC	IL GAGY <u>YY</u> *					
121/a1	L21 (ORFs 121	and 121.	a 74.0%	identity	in 366 aa	overlap	
		•	10	20	30	40	50	60
m1	21.pep				MDGGKWLGAE			
- 1	01				 MDGGKWLGAE			
aı	21	WEIGH	10	20	30	40	50	60
			70	80	90	100	110	120
m1	21.pep				EQNLAPSDITA			
a1	.21	HRSRM	LSOELSRLYA	OTAAELLCS	SONLAPSDITA	LGCHGQTVRH	IAPEHSYSVQL	ADLPLL
			70	80	90	100	110	120
			120	140	150	160	170	180
. m1	.21.pep	ΔΥΥΥΥ	130 *****	140 *****	150 XXXXXXXXXX			
ш		:	:			:		
a1	121	AERTO			APLVPAFHEAL			
			130	140	150	160	170	180
			190	200	210	220	230	240
m]	121.pep	XXXXX			LPYDKNGAKSA			
			:					
a.	121	PAFGF	DTGPGNMLMD	AWMQAHWQI 200	LPYDKNGAKAA 210	QGNILPQLLI 220	ORLLAHPYFAQ 230	PHPKST 240
			190	200	210		230	240
			250	260	270	280	290	300
m.	121.pep				LRTLSRFTAQI			
	121							
α.		GREET	250	260	270	280	290	300
							250	2.50
	121.pep	TMADT	310	320 	330 DPQWVEAAXFA	340 MI.AACWTNR	350 TPGSPHKATGA	360
m	ızı.pep							
a	121		AECFGTRVSI	HSTAELNL	DPQWVEAAAFA	AWMAACWVNR:	I PGSPHKATGA	SKPCIL
			310	320	330	340	350	360
m	121.pep	XAGYY	γγx					
211	ıı. pop	1111						
a	121	GAGYY	YYX					
			: DNA sequ	ence iden	tified in N.	meningitidi	is <seq id<="" td=""><td>46>:</td></seq>	46>:
m	121-1.se	-	CAC ACCOMM	.cam cccc	אשכאשכ שככנ	CANCEN CC	א ^י שרכא כככ	
	1 51				ATCATG TCG(GGACGG CGG(
					CCGGCA GGT			
	151				GAACTG CAC			
	201 . 251				GCAAAC CGCC			
	301				GGTTAC AGC			
	351	GCCGCTG	CTG GCGGAAG	CGGA CGCG	GATTTT TAC	CGTCGGC GA	CTTCCGCA	
	401				AAGGCG CGC			
	451 501				AGGGAA ACA ACTCCC CCC			
	551				TGCTGA TGG			
	601				AACGGT GCA			
	651				GCTGCT CGC			
	701 751				GCGAAC TGT AACCGA TAC			
	131	GAAACCII	TO TIGHT	JUGG CGAA	ANCCOM INC	GUCCINI IC	COGREGE	

801 TTCCCGTTTT ACCGCGCAAA CCGTTTGCGA CGCCGTCTCA CACGCAGCGG

90T 1.7	CCCGIIII ACCGCGCA	ar cociii	00011 00000				
851 CF	AGATGCCCG TCAAATGTA	AC ATTTGC	GGCG GCGGC	ATCCG CAAT	CCTGTT		
901 TT	AATGGCGG ATTTGGCA	GA ATGTTT	CGGC ACACG	CGTTT CCCT	GCACAG		
951 CA	ACCGCCGAC CTGAACCT	CG ATCCGC	AATG GGTGG	SAAGCC GCCG	NATTTG		
1001 00	TGGTTGGC GGCGTGTT	יים בידים	CGCA TTCCC	GGTAG TCCG	CACAAA		
1001 00	CAACCGGCG CATCCAAA	C C C C C T T T T T T T T T T T T T T T	TOTA ANCE	CCCAT ATTA	ጥጥልጥጥር		
	AACCGGCG CATCCAAA	C GIGIAI	TOTO PAICO	,000m: 111111			
1101 A							
			EO ID 47.	OPE 121 1			
This corresponds to	o the amino acid seq	uence <5.	EQ 11 4/;	OKF 121-1-			
m121-1.pep							
1 ME	ETQLYIGIM SGTSMDGA	DA VLIRMD	GGKW LGAE	CHAFTP YPGR	LRRQLL		
51 DI	LODTGADEL HRSRILSO	EL SRLYAC	TARE LLCS	NLAPS DITA	LGCHGQ		
101 93	VRHAPEHGY SIQLADLP	T.T. AERTRI	FTVG DFRSI	RDLAAG GOGA	PLVPAF		
101 1	EALFRONRE TRAVLNIG	CT ANTSVI	PPDA PAFGI	EDTERG NMIM	DAWTOA		
. 151 H	MQLPYDKNG AKAAQGNI	TD OLIDAL	TAUD VENO	DEDKET CDET	FAI.NWI.		
201 HV	WOLFIDANG ARAAQGNI	TE OFFICE	TWUE TEVA	ADOMY TOCC	CIDNOU		
· 251 E	TYLDGGENR YDVLRTLS	RE TAQTVC	DAVS HAAAI	JAROMI ICGG	GIRNEY		
	MADLAECFG TRVSLHST	AD LNLDPC	WATER WELVE	NLAACW INKI	PGSPHK		
351 A	TGASKPCIL XAGY <u>YY</u> *						
						:- 266	
m121-1/g121	ORFs 121-1 as	nd 121-1	.ng showed	1 a 95.6%	identity	1n 366	aa
overlap							
	10	20	30	40	50	60	
m121-1.pep	METQLYIGIMSGTSMD	GADAVLIRN	IDGGKWLGAE	GHAFTPYPGRI	RRQLLDLQD	TGADEL	
	11111111111111111	1111111:11		11111111 11	11:11111	11:111	
g121	METQLYIGIMSGTSMD	GADAVLVRN	1DGGKWLGAE	GHAFTPYPDRI	RRKLLDLQD	TGTDEL	
gizi	10	20	30	40	50	60	
	10	20		• • • • • • • • • • • • • • • • • • • •			
	70	80	90	100	110	120	
404 4	HRSRILSQELSRLYAC						
m121-1.pep	: :	TAREPPCS	ZNUMESULIM	TOCHGOI AIGE			
	HRSRMLSQELSRLYAC	1111111			IIIIIIIIIIIIII	יווווו דוס זחגי	
g121						120	
•	70	80	90	100	110	120	
					170	100	
	, 130	140	150	160	170	180	
m121-1.pep	AERTRIFTVGDFRSRI)LAAGGQGA	PLVPAFHEAL	FRDNRETRAV	LNIGGIANIS	VLPPDA	
	- 11 14114111111111			111:1111:1		11111	
g121	AELTRIFTVGDFRSRI)LAAGGQGA	PLVPAFHEAL	FRDDRETRVV	LNIGGIANIS		
•	130	140	150	160	170	180	
	190	200	210	220	230	240	
m121-1.pep	PAFGFDTGPGNMLMDA	MTOAHWOL	PYDKNGAKAA	OGNILPOLLD	RLLAHPYFA	OPHPKST	
mizi i.pcp	1111111111111111		111111111	în nin		Ī111111	
g121	PAFGFDTGPGNMLMDA	AWTON HWOT.	PAUKNCVKVV	OGNITI.POLLG	RLLAHPYFS	OPHPKST	
gızı	190	200	210	220	230	240	
	190	200	210	220	200		
	250	260	270	280	290	300	
	GRELFALNWLETYLD	ZOU					
m121-1.pep	GRELFALNWLETYLDO	-GENKIUVL	KILDKLIMQI	VCDAVSHAAA	DANOMITCO	IIIIII	
	111111111111111111111111111111111111111		11111111	11111111	1111111111	CCTDNDU	
g121	GRELFALNWLETYLDO						
	250	260	270	280	290	300	
						2.52	
	310	320	330	340	350	360	
m121-1.pep	LMADLAECFGTRVSL	HSTADLNLD	POWVEAAXF	WLAACWINRI	PGSPHKATG.	ASKPCIL	
- •	1411111111111	!!!!:!!!	1111111 11		111111111	111111	
g121	LMADLAECFGTRVSL	HSTAELNLD	PQWVEAAAFA	WLAACWINRI	PGSPHKATG.	ASKPCIL	
J	310	320	330	340	350	360	
m121-1.pep	XAGYYYX						
mizi-i.pep							
_1 0 1							
g121	GAGYYYX						

a121-1

190

200

```
The following partial DNA sequence was identified in N. meningitidis <SEQ ID 48>:
     a121-1.seq
            1
              ATGGAAACAC AGCTTTACAT CGGCATCATG TCGGGAACCA GCATGGACGG
              GGCGGATGCC GTACTGATAC GGATGGACGG CGGCAAATGG CTGGGCGCGG
           51
              AAGGGCACGC CTTTACCCCC TACCCCGGCA GGTTACGCCG CAAATTGCTG
          101
              GATTTGCAGG ACACAGGCGC GGACGAACTG CACCGCAGCA GGATGTTGTC
          151
              GCAAGAACTC AGCCGCCTGT ACGCGCAAAC CGCCGCCGAA CTGCTGTGCA
          201
              GTCAAAACCT CGCGCCGTCC GACATTACCG CCCTCGGCTG CCACGGGCAA
          251
              ACCGTCAGAC ACGCGCCGGA ACACAGTTAC AGCGTACAGC TTGCCGATTT
          301
              GCCGCTGCTG GCGGAACGGA CTCAGATTTT TACCGTCGGC GACTTCCGCA
          351
          401
              GCCGCGACCT TGCGGCCGGC GGACAAGGCG CGCCGCTCGT CCCCGCCTTT
              CACGAAGCCC TGTTCCGCGA CGACAGGGAA ACACGCGCGG TACTGAACAT
          451
              CGGCGGGATT GCCAACATCA GCGTACTCCC CCCCGACGCA CCCGCCTTCG
          501
          551
              GCTTCGACAC AGGACCGGGC AATATGCTGA TGGACGCGTG GATGCAGGCA
              CACTGGCAGC TTCCTTACGA CAAAAACGGT GCAAAGGCGG CACAAGGCAA
          601
              CATATTGCCG CAACTGCTCG ACAGGCTGCT CGCCCACCCG TATTTCGCAC
          651
              AACCCCACCC TAAAAGCACG GGGCGCGAAC TGTTTGCCCT AAATTGGCTC
          701
              GAAACCTACC TTGACGGCGG CGAAAACCGA TACGACGTAT TGCGGACGCT
          751
              TTCCCGATTC ACCGCGCAAA CCGTTTTCGA CGCCGTCTCA CACGCAGCGG
          801
              CAGATGCCCG TCAAATGTAC ATTTGCGGCG GCGGCATCCG CAATCCTGTT
          851
              TTAATGGCGG ATTTGGCAGA ATGTTTCGGC ACACGCGTTT CCCTGCACAG
          901
          951
              CACCGCCGAA CTGAACCTCG ATCCGCAATG GGTAGAAGCC GCCGCGTTCG
               CATGGATGGC GGCGTGTTGG GTCAACCGCA TTCCCGGTAG TCCGCACAAA
         1001
              GCAACCGGCG CATCCAAACC GTGTATTCTG GGCGCGGGAT ATTATTATTG
         1051
         1101
This corresponds to the amino acid sequence <SEQ ID 49; ORF 121-1.a>:
     a121-1.pep
              METOLYIGIM SGTSMDGADA VLIRMDGGKW LGAEGHAFTP YPGRLRRKLL
               DLQDTGADEL HRSRMLSQEL SRLYAQTAAE LLCSQNLAPS DITALGCHGQ
           51
               TVRHAPEHSY SVQLADLPLL AERTQIFTVG DFRSRDLAAG GQGAPLVPAF
          101
               HEALFRDDRE TRAVLNIGGI ANISVLPPDA PAFGFDTGPG NMLMDAWMQA
          151
              HWQLPYDKNG AKAAQGNILP QLLDRLLAHP YFAQPHPKST GRELFALNWL
ETYLDGGENR YDVLRTLSRF TAQTVFDAVS HAAADARQMY ICGGGIRNPV
          251
               LMADLAECFG TRVSLHSTAE LNLDPQWVEA AAFAWMAACW VNRIPGSPHK
          301
               ATGASKPCIL GAGYYY*
     m121-1/a121-1 ORFs 121-1 and 121-1.a showed a 96.4% identity in 366 aa overlap
                                   20
                                                      40
                                            30
                 METQLYIGIMSGTSMDGADAVLIRMDGGKWLGAEGHAFTPYPGRLRRQLLDLQDTGADEL
     m121-1.pep
                  a121-1
                  METQLYIGIMSGTSMDGADAVLIRMDGGKWLGAEGHAFTPYPGRLRRKLLDLQDTGADEL
                          10
                                   20
                                            30
                                                      40
                                                                50
                                                                         60
                                   80
                                             90
                                                     100
     m121-1.pep
                  HRSRILSQELSRLYAQTAAELLCSQNLAPSDITALGCHGQTVRHAPEHGYSIQLADLPLL
                  HRSRMLSQELSRLYAQTAAELLCSQNLAPSDITALGCHGQTVRHAPEHSYSVQLADLPLL
     a121-1
                          70
                                   80
                                             90
                                                     100
                                                               110
                         130
                                  140
                                            150
                                                     160
                                                               170
                                                                        180
                  AERTRIFTVGDFRSRDLAAGGOGAPLVPAFHEALFRDNRETRAVLNIGGIANISVLPPDA
     m121-1.pep
                  AERTQIFTVGDFRSRDLAAGGQGAPLVPAFHEALFRDDRETRAVLNIGGIANISVLPPDA
     a121-1
                                  140
                                            150
                                                               170
                                                                         180
                         130
                                                     160
                         190
                                  200
                                            210
                                                     220
                                                               230
                                                                         240
                  PAFGFDTGPGNMLMDAWTQAHWQLPYDKNGAKAAQGNILPQLLDRLLAHPYFAQPHPKST
     m121-1.pep
```

PAFGFDTGPGNMLMDAWMQAHWQLPYDKNGAKAAQGNILPQLLDRLLAHPYFAQPHPKST

220

230

240

210

m121-1.pep	250 GRELFALNWLETYL	1111111111	1111111111	1 11111111	1111111111	
m121-1.pep	310 LMADLAECFGTRVS LMADLAECFGTRVS 310	11111:1111	тінні п	1:1111:111	111111111	111111
m121-1.pep	XAGYYYX GAGYYYX					

128 and 128-1 ·

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 50>:

```
m128.seq (partial)
       1 ATGACTGACA ACGCACTGCT CCATTTGGGC GAAGAACCCC GTTTTGATCA
      51 AATCAAAACC GAAGACATCA AACCCGCCCT GCAAACCGCC ATCGCCGAAG
     101 CGCGCGAACA AATCGCCGCC ATCAAAGCCC AAACGCACAC CGGCTGGGCA
     151 AACACTGTCG AACCCCTGAC CGGCATCACC GAACGCGTCG GCAGGATTTG
     201 GGGCGTGGTG TCGCACCTCA ACTGCGTCGC CGACACGCCC GAACTGCGCG
     251 CCGTCTATAA CGAACTGATG CCCGAAATCA CCGTCTTCTT CACCGAAATC
     301 GGACAAGACA TCGAGCTGTA CAACCGCTTC AAAACCATCA AAAATTCCCC
     351 CGAATTCGAC ACCCTCTCCC CCGCACAAAA AACCAAACTC AACCAC
          TACGCCAGCG AAAAACTGCG CGAAGCCAAA TACGCGTTCA GCGAAACCGA
      51 WGTCAAAAAA TAYTTCCCYG TCGGCAAWGT ATTAAACGGA CTGTTCGCCC
     101 AAMTCAAAAA ACTMTACGGC ATCGGATTTA CCGAAAAAAC YGTCCCCGTC
     151 TGGCACAAAG ACGTGCGCTA TTKTGAATTG CAACAAAACG GCGAAmCCAT
     201 AGGCGGCGTT TATATGGATT TGTACGCACG CGAAGGCAAA CGCGGCGGCG
     251 CGTGGATGAA CGACTACAAA GGCCGCCGCC GTTTTTCAGA CGGCACGCTG
     301 CAAYTGCCCA CCGCCTACCT CGTCTGCAAC TTCGCCCCAC CCGTCGGCGG
     351 CAGGGAAGCC CGCYTGAGCC ACGACGAAAT CCTCATCCTC TTCCACGAAA
401 CCGGACACGG GCTGCACCAC CTGCTTACCC AAGTGGACGA ACTGGGCGTA
     451 TCCGGCATCA ACGGCGTAKA ATGGGACGCG GTCGAACTGC CCAGCCAGTT
     501 TATGGAAAAT TTCGTTTGGG AATACAATGT CTTGGCACAA mTGTCAGCCC
     551 ACGAAGAAAC CGGcgTTCCC yTGCCGAAAG AACTCTT8GA CAAAwTGCTC
     601 GCCGCCAAAA ACTTCCAASG CGGCATGTTC yTsGTCCGGC AAWTGGAGTT
     651 CGCCCTCTTT GATATGATGA TTTACAGCGA AGACGACGAA GGCCGTCTGA
     701 AAAACTGGCA ACAGGTTTTA GACAGCGTGC GCAAAAAAGT CGCCGTCATC
     751 CAGCCGCCG AATACAACCG CTTCGCCTTG AGCTTCGGCC ACATCTTCGC
     801 AGGCGGCTAT TCCGCAGCTn ATTACAGCTA CGCGTGGGCG GAAGTATTGA
     851 GCGCGGACGC ATACGCCGCC TTTGAAGAAA GCGACGATGT CGCCGCCACA
     901 GGCAAACGCT TTTGGCAGGA AATCCTCGCC GTCGGGGNAT CGCGCAGCGG
     951 nGCAGAATCC TTCAAAGCCT TCCGCGGCCG CGAACCGAGC ATAGACGCAC
    1001 TCTTGCGCCA CAGCGGTTTC GACAACGCGG TCTGA
```

This corresponds to the amino acid sequence <SEQ ID 51; ORF 128>:

```
m128.pep
           (partial)
         MTDNALLHLG EEPRFDQIKT EDIKPALQTA IAEAREQIAA IKAQTHTGWA
     51 NTVEPLTGIT ERVGRIWGVV SHLNCVADTP ELRAVYNELM PEITVFFTEI
    101 GODIELYNRF KTIKNSPEFD TLSPAQKTKL NH
//
       1 YASEKLREAK YAFSETXVKK YFPVGXVLNG LFAQXKKLYG IGFTEKTVPV
```

```
51 WHKDVRYXEL QQNGEXIGGV YMDLYAREGK RGGAWMNDYK GRRRFSDGTL
101 QLPTAYLVCN FAPPVGGREA RLSHDEILIL FHETGHGLHH LLTQVDELGV
151 SGINGVXWDA VELPSQFMEN FVWEYNVLAQ XSAHEETGVP LPKELXDKXL
201 AAKNFQXGMF XVRQXEFALF DMMIYSEDDE GRLKNWQQVL DSVRKKVAVI
251 QPPEYNRFAL SFGHIFAGGY SAAXYSYAWA EVLSADAYAA FEESDDVAAT
301 GKRFWQEILA VGXSRSGAES FKAFRGREPS IDALLRHSGF DNAV*
```

The following partial DNA sequence was identified in N. gonorrhoeae <SEQ ID 52>: g128.seq

```
atgattgaca acgCActgct ccacttgggc gaagaaccCC GTTTTaatca
  1
     aatccaaacc gaagACAtca AACCCGCCGT CCAAACCGCC ATCGCCGAAG
 51
      CGCGCGGACA AATCGCCGCC GTCAAAGCGC AAACGCACAC CGGCTGGGCG
101
     AACACCGTCG AGCGTCTGAC CGGCATCACC GAACGCGTCG GCAGGATTTG
151
     GGGCGTCGTG TCCCATCTCA ACTCCGTCGT CGACACGCCC GAACTGCGCG
201
      CCGTCTATAA CGAACTGATG CCTGAAATCA CCGTCTTCTT CACCGAAATC
251
      GGACAAGACA TCGAACTGTA CAACCGCTTC AAAACCATCA AAAATTCCCC
 301
      CGAATTTGCA ACGCTTTCCC CCGCACAAAA AACCAAGCTC GATCACGACC
 351
      TGCGCGATTT CGTATTGAGC GGCGCGGAAC TGCCGCCCGA ACGGCAGGCA
401
      GAACTGGCAA AACTGCAAAC CGAAGGCGCG CAACTTTCCG CCAAATTCTC
 451
      CCAAAACGTC CTAGACGCGA CCGACGCGTT CGGCATTTAC TTTGACGATG
 501
      CCGCACCGCT TGCCGGCATT CCCGAAGACG CGCTCGCCAT GTTTGCCGCC!
 551
      GCCGCGCAAA GCGAAGGCAA AACAGGTTAC AAAATCGGCT TGCAGATTCC
 601
      GCACTACCTT GCCGTTATCC AATACGCCGG CAACCGCGAA CTGCGCGAAC
 701
      AAATCTACCG CGCCTACGTT ACCCGTGCCA GCGAACTTTC AAACGACGGC
 751
      AAATTCGACA ACACCGCCAA CATCGACCGC ACGCTCGAAA ACGCATTGAA
      AACCGccaaa cTGCTCGGCT TTAAAAATTA CGCCGAATTG TCGCTGGCAA
      CCAAAATGGC GGACACGCCC GAACAGGTTT TAAACTTCCT GCACGACCTC
 851
      GCCCGCCGCG CCAAACCCTA CGCCGAAAAA GACCTCGCCG AAGTCAAAGC
 901
      CTTCGCCCGC GAACACCTCG GTCTCGCCGA CCCGCAGCCG TGGGACTTGA
 951
      GCTACGCCGG CGAAAAACTG CGCGAAGCCA AATACGCATT CAGCGAAACC
1001
      GAAGTCAAAA AATACTTCCC CGTCGGCAAA GTTCTGGCAG GCCTGTTCGC
1051
1101
      CCAAATCAAA AAACTCTACG GCATCGGATT CGCCGAAAAA ACCGTTCCCG
      TCTGGCACAA AGACGTGCGC TATTTTGAAT TGCAACAAAA CGGCAAAACC
1151
      ATCGGCGGCG TTTATATGGA TTTGTACGCA CGCGAAGGCA AACGCGGCGG
      CGCGTGGATG AACGACtaca AAGGCCGCCG CCGCTTTGCC GACGgcacGC
1301
      TGCAACTGCC CACCGCCTAC CTCGTCTGCA ACTTCGCCCC GCCCGTCGGC
1351
      GGCAAAGAAG CGCGTTTAAG CCACGACGAA ATCCTCACCC TCTTCCACGA
      AacCGGCCAC GGACTGCACC ACCTGCTTAC CCAAGTGGAC GAACTGGGCG
      TGTCCGGCAT CAAcggcgtA GAATGGGACG CGGTCGAACT GCCCAGCCAG
1451
      TTTATGGAAA ACTTCGTTTG GGAATACAAT GTATTGGCAC AAATGTCCGC
      CCACGAAGAA ACCGGCGAGC CCCTGCCGAA AGAACTCTTC GACAAAATGC
      TCGCCGCCAA AAACTTCCAG CGCGGTATGT TCCTCGTCCG GCAAATGGAG
      TTCGCCCTCT TCGATATGAT GATTTACAGT GAAAGCGACG AATGCCGTCT
      GAAAAACTGG CAGCAGGTTT TAGACAGCGT GCGCAAAGAA GTcGCCGTCA
1751
      TCCAACCGCC CGAATACAAC CGCTTCGCCA ACAGCTTCGG CCacatctTC
      GCcggcGGCT ATTCCGCAGG CTATTACAGC TACGCATGGG CCGAAGTCCt
1801.
      CAGCACCGAT GCCTACGCCG CCTTTGAAGA AAGCGACGac gtcGCCGCCA
1851
      CAGGCAAACG CTTCTGGCAA GAAAtccttg ccgtcggcgg ctCCCGCAGC
1901
      gcgGCGGAAT CCTTCAAAGC CTTCCGCGGA CGCGAACCGA GCATAGACGC
1951
2001 ACTGCTGCGC CAaagcggtT TCGACAACGC gGCttgA
```

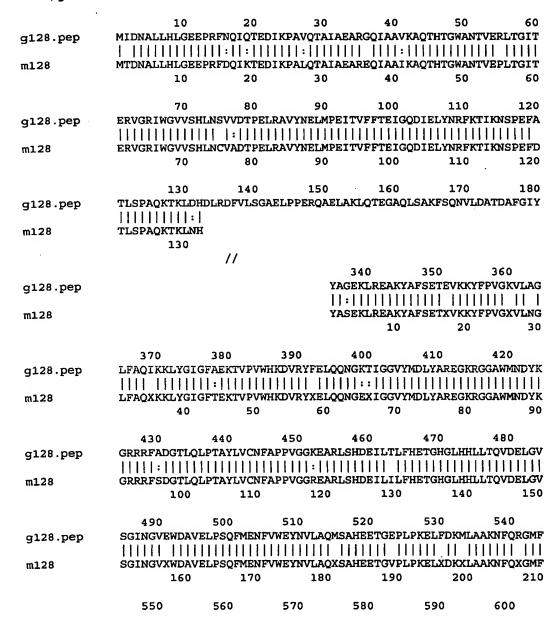
This corresponds to the amino acid sequence <SEQ ID 53; ORF 128.ng>: q128.pep

```
1 MIDNALLHLG EEPRFNQIQT EDIKPAVQTA IAEARGQIAA VKAQTHTGWA
51 NTVERLTGIT ERVGRIWGVV SHLNSVVDTP ELRAVYNELM PEITVFFTEI
101 GQDIELYNRF KTIKNSPEFA TLSPAQKTKL DHDLRDFVLS GAELPFERQA
151 ELAKLQTEGA QLSAKFSQNV LDATDAFGIY FDDAAPLAGI PEDALAMFAA
201 AAQSEGKTGY KIGLQIPHYL AVIQYAGNRE LREQIYRAYV TRASELSNDG
```

KFDNTANIDR TLENALKTAK LLGFKNYAEL SLATKMADTP EQVLNFLHDL ARRAKPYAEK DLAEVKAFAR EHLGLADPOP WDLSYAGEKL REAKYAFSET 301 EVKKYFPVGK VLAGLFAQIK KLYGIGFAEK TVPVWHKDVR YFELQQNGKT IGGVYMDLYA REGKRGGAWM NDYKGRRRFA DGTLQLPTAY LVCNFAPPVG 401 GKEARLSHDE ILTLFHETGH GLHHLLTQVD ELGVSGINGV EWDAVELPSQ 451 FMENFVWEYN VLAQMSAHEE TGEPLPKELF DKMLAAKNFQ RGMFLVRQME 501 FALFDMMIYS ESDECRLKNW QQVLDSVRKE VAVIQPPEYN RFANSFGHIF 551 AGGYSAGYYS YAWAEVLSTD AYAAFEESDD VAATGKRFWQ EILAVGGSRS 601 AAESFKAFRG REPSIDALLR QSGFDNAA* 651

ORF 128 shows 91.7% identity over a 475 as overlap with a predicted ORF (ORF 128.ng) from N. gonorrhoeae:

m128/g128

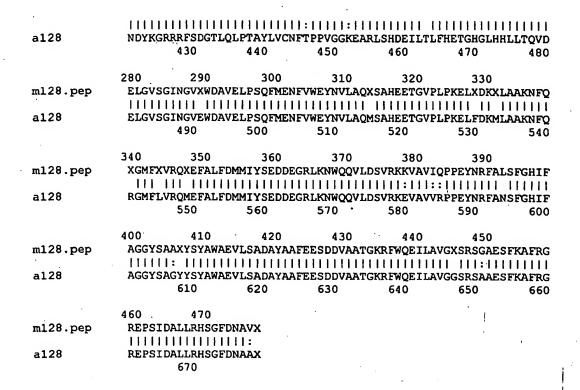


g128.pep	LVRQMEFALFDM	MIYSESDECRI :	KNWQQVLDSVI	RKEVAVIQPPE\ :	nrfansfgh 	IFAGGY
m128	XVRQXEFALFDM	MIYSEDDEGRI	LKNWQQVLDSVI	RKKVAVIQPPE	NRFALSFGH	IFAGGY
	220	230	240	250	260	270
	610	620	630	640 65	6 6	60
q128.pep	SAGYYSYAWAEV	LSTDAYAAFEI	ESDDVAATGKRI	FWQEILAVGGS	RSAAESFKAF	RGREPS
•	[1]: [1][[1][]	11:1111111				ШШ
m128	SAAXYSYAWAEV	LSADAYAAFEI	SDDVAATGKR	FWQEILAVGXS	RSGAESFKAF	RGREPS
	280	290	300	310	320	330
	670	679	•	•		
q128.pep	IDALLRQSGFDN	XAAX			•	
- -	1111111:11111	1:				
m128	IDALLRHSGFDN	IAVX		•		
	. 340	•		•		

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 54>: a128.seq

ATGACTGACA ACGCACTGCT CCATTTGGGC GAAGAACCCC GTTTTGATCA AATCAAAACC GAAGACATCA AACCCGCCCT GCAAACCGCC ATTGCCGAAG 51 101 CGCGCGAACA AATCGCCGCC ATCAAAGCCC AAACGCACAC CGGCTGGGCA AACACTGTCG AACCCCTGAC CGGCATCACC GAACGCGTCG GCAGGATTTG GGGCGTGGTG TCGCACCTCA ACTCCGTCAC CGACACGCCC GAACTGCGCG 201 CCGCCTACAA TGAATTAATG CCCGAAATTA CCGTCTTCTT CACCGAAATC 251 GGACAAGACA TCGAGCTGTA CAACCGCTTC AAAACCATCA AAAACTCCCC 301 CGAGTTCGAC ACCCTCTCCC ACGCGCAAAA AACCAAACTC AACCACGATC 351 TGCGCGATTT CGTCCTCAGC GGCGCGGAAC TGCCGCCCGA ACAGCAGGCA 401 451 GAATTGCAA AACTGCAAAC CGAAGGCGCG CAACTTTCCG CCAAATTCTC CCAAAACGTC CTAGACGCGA CCGACGCGTT CGGCATTTAC TTTGACGATG 501 CCGCACCGCT TGCCGGCATT CCCGAAGACG CGCTCGCCAT GTTTGCCGCT 551 601 GCCGCGCAAA GCGAAGGCAA AACAGGCTAC AAAATCGGTT TGCAGATTCC 651 GCACTACCTC GCCGTCATCC AATACGCCGA CAACCGCAAA CTGCGCGAAC AAATCTACCG CGCCTACGTT ACCCGCGCCA GCGAGCTTTC AGACGACGGC 701 751 AAATTCGACA ACACCGCCAA CATCGACCGC ACGCTCGAAA ACGCCCTGCA AACCGCCAAA CTGCTCGGCT TCAAAAACTA CGCCGAATTG TCGCTGGCAA CCAAAATGGC GGACACCCCC GAACAAGTTT TAAACTTCCT GCACGACCTC GCCCGCCGCG CCAAACCCTA CGCCGAAAAA GACCTCGCCG AAGTCAAAGC 901 CTTCGCCCGC GAAAGCCTCG GCCTCGCCGA TTTGCAACCG TGGGACTTGG 951 1001 GCTACGCCGG CGAAAAACTG CGCGAAGCCA AATACGCATT CAGCGAAACC GAAGTCAAAA AATACTTCCC CGTCGGCAAA GTATTAAACG GACTGTTCGC 1051 CCAAATCAAA AAACTCTACG GCATCGGATT TACCGAAAAA ACCGTCCCCG 1101 TCTGGCACAA AGACGTGCGC TATTTTGAAT TGCAACAAAA CGGCGAAACC ATAGGCGGCG TTTATATGGA TTTGTACGCA CGCGAAGGCA AACGCGGCGG CGCGTGGATG AACGACTACA AAGGCCGCCG CCGTTTTTCA GACGGCACGC TGCAACTGCC CACCGCCTAC CTCGTCTGCA ACTTCACCCC GCCCGTCGGC 1301 GGCAAAGAAG CCCGCTTGAG CCATGACGAA ATCCTCACCC TCTTCCACGA 1401 AACCGGACAC GGCCTGCACC ACCTGCTTAC CCAAGTCGAC GAACTGGGCG TATCCGGCAT CAACGCCGTA GAATGGGACG CAGTCGAACT GCCCAGTCAG 1451 TTTATGGAAA ATTTCGTTTG GGAATACAAT GTCTTGGCGC AAATGTCCGC CCACGAAGAA ACCGGCGTTC CCCTGCCGAA AGAACTCTTC GACAAAATGC 1551 1601 TCGCCGCCAA AAACTTCCAA CGCGGAATGT TCCTCGTCCG CCAAATGGAG TTCGCCCTCT TTGATATGAT GATTTACAGC GAAGACGACG AAGGCCGTCT 1651 GAAAAACTGG CAACAGGTTT TAGACAGCGT GCGCAAAGAA GTCGCCGTCG 1701 TCCGACCGCC CGAATACAAC CGCTTCGCCA ACAGCTTCGG CCACATCTTC 1751 GCAGGCGGCT ATTCCGCAGG CTATTACAGC TACGCGTGGG CGGAAGTATT 1801 1851 GAGCGCGGAC GCATACGCCG CCTTTGAAGA AAGCGACGAT GTCGCCGCCA 1901 CAGGCAAACG CTTTTGGCAG GAAATCCTCG CCGTCGGCGG ATCGCGCAGC 1951 GCGGCAGAAT CCTTCAAAGC CTTCCGCGGA CGCGAACCGA GCATAGACGC ACTCTTGCGC CACAGCGGCT TCGACAACGC GGCTTGA 2001

This corresponds	s to the amin	o acid seque	ence <sec< th=""><th>Q ID 55; OF</th><th>RF 128.a>:</th><th></th><th></th></sec<>	Q ID 55; OF	RF 128.a>:		
al28.pep							
1	MTDNALLHLG						•
51	NTVEPLTGIT						
101	GQDIELYNRF						
151	ELAKLQTEGA						
201	AAQSEGKTGY						
251	KFDNTANIDR						
301 351	ARRAKPYAEK EVKKYFPVGK						
401	IGGVYMDLYA						
451	GKEARLSHDE						
501	FMENFVWEYN						
551	FALFDMMIYS						
601	AGGYSAGYYS						
651	AAESFKAFRG						
m128/a128 OF	RFs 128 and	128.a show	ed a 66.0%	6 identity ir	1 677 aa ove	erlap	
		10	20	30	40	50	60
m128.pep	MTDNALL	HLGEEPRFDQ1	KTEDIKPAI	LOTALAEARE	QIAAIKAQTHI	GWANTVEP	LTGIT
		ниний					
a128	MTDNALL	HLGEEPRFDQI	KTEDIKPAI	QTAIAEARE(QIAAIKAQTHT	'GWANTVEP	LTGIT
		10	20	30	40	50	60
		70	80	90	100	110	120
m128.pep	ERVGRIW	GVVSHLNCVAI	OTPELRAVYI	NELMPEITVE	FTEIGQDIELY	NRFKTIKN	SPEFD
	1111111		1111111:1	11111111			
a128	ERVGRIW	GVVSHLNSVTI					
		70	80	90	100	110	120
		120					
400		130					
m128.pep		TKLNH					
-100	111 111	IIIII TKLNHDLRDF	UT.GCART.DD	FOODET.DKT.O	TECAOLSAKES	מדבת.ועומה	AFCTY
a128	_		140	150	160	170	180
	•		110	100	100	2.0	
m128.pep							
•							
a128	FDDAAPĹ	AGIPEDALAM					
		190	200	210	220	230	240
m128.pep							
4.00	mp a cor c	DDGKFDNTAN	TDDMI ENAT	OTABLE CEPT	עאפר פו אפעש	A DEPOSIT N	דר טרד
a128	TRASELS		260 10K1DENAD	270	280	290	300
		250	200	210	200	230	300
					140	150	
m128.pep					SEKLREAKYA		FPVGX
mizo.pcp					: [] [] [] []		
a128	ARRAKPY	AEKDLAEVKA	FARESLGLA				
0200			320	330	340	350	360
	160	170	180	190	200	210	
m128.pep		AQXKKLYGIGF					
		11 11 11 11 11					
a128	VLNGLFA	QIKKLYGIGF					
		370	380	390	400	410	420
		000	00		0.50	030	
	220	230	240	250	260	270	T # ^**
m128.pep	NDYKGRI	RRFSDGTLQLP	TAYLVCNFA	PPVGGREARI	SHDETLITEH	ETGHGLHHI	ттQVD



Further work revealed the DNA sequence identified in N. meningitidis <SEQ ID 56>: m128-1.seq

```
ATGACTGACA ACGCACTGCT CCATTTGGGC GAAGAACCCC GTTTTGATCA
      AATCAAAACC GAAGACATCA AACCCGCCCT GCAAACCGCC ATCGCCGAAG
 101
      CGCGCGAACA AATCGCCGCC ATCAAAGCCC AAACGCACAC CGGCTGGGCA
     AACACTGTCG AACCCCTGAC CGGCATCACC GAACGCGTCG GCAGGATTTG
 151
      GGGCGTGGTG TCGCACCTCA ACTCCGTCGC CGACACGCCC GAACTGCGCG
 251
      CCGTCTATAA CGAACTGATG CCCGAAATCA CCGTCTTCTT CACCGAAATC
 301
      GGACAAGACA TCGAGCTGTA CAACCGCTTC AAAACCATCA AAAATTCCCC
 351
      CGAATTCGAC ACCCTCTCCC CCGCACAAAA AACCAAACTC AACCACGATC
      TGCGCGATTT CGTCCTCAGC GGCGCGGAAC TGCCGCCCGA ACAGCAGGCA
 401
      GAACTGGCAA AACTGCAAAC CGAAGGCGCG CAACTTTCCG CCAAATTCTC
 451
      CCAAAACGTC CTAGACGCGA CCGACGCGTT CGGCATTTAC TTTGACGATG
 501
      CCGCACCGCT TGCCGGCATT CCCGAAGACG CGCTCGCCAT GTTTGCCGCC
 551
 601
      GCCGCGCAAA GCGAAAGCAA AACAGGCTAC AAAATCGGCT TGCAGATTCC
 651
      ACACTACCTC GCCGTCATCC AATACGCCGA CAACCGCGAA CTGCGCGAAC
 701
      AAATCTACCG CGCCTACGTT ACCCGCGCCA GCGAACTTTC AGACGACGGC
 751
      AAATTCGACA ACACCGCCAA CATCGACCGC ACGCTCGCAA ACGCCCTGCA
 801
      AACCGCCAAA CTGCTCGGCT TCAAAAACTA CGCCGAATTG TCGCTGGCAA
      CCAAAATGGC GGACACGCCC GAACAAGTTT TAAACTTCCT GCACGACCTC
 851
 901
      GCCCGCCGCG CCAAACCCTA CGCCGAAAAA GACCTCGCCG AAGTCAAAGC
      CTTCGCCCGC GAAAGCCTGA ACCTCGCCGA TTTGCAACCG TGGGACTTGG
 951
1001
      GCTACGCCAG CGAAAAACTG CGCGAAGCCA AATACGCGTT CAGCGAAACC
1051
      GAAGTCAAAA AATACTTCCC CGTCGGCAAA GTATTAAACG GACTGTTCGC
      CCAAATCAAA AAACTCTACG GCATCGGATT TACCGAAAAA ACCGTCCCCG
1101
1151
      TCTGGCACAA AGACGTGCGC TATTTTGAAT TGCAACAAAA CGGCGAAACC
1201
      ATAGGCGGCG TTTATATGGA TTTGTACGCA CGCGAAGGCA AACGCGGCGG
1251
      CGCGTGGATG AACGACTACA AAGGCCGCCG CCGTTTTTCA GACGGCACGC
      TGCAACTGCC CACCGCCTAC CTCGTCTGCA ACTTCGCCCC ACCCGTCGGC
1301
1351
      GGCAGGGAAG CCCGCCTGAG CCACGACGAA ATCCTCATCC TCTTCCACGA
      AACCGGACAC GGGCTGCACC ACCTGCTTAC CCAAGTGGAC GAACTGGGCG
1401
```

```
1451 TATCCGGCAT CAACGGCGTA GAATGGGACG CGGTCGAACT GCCCAGCCAG
1501 TTTATGGAAA ATTTCGTTTG GGAATACAAT GTCTTGGCAC AAATGTCAGC
1551 CCACGAAGAA ACCGCCGTTC CCCTGCCGAA AGAACTCTTC GACAAAATGC
1601 TCGCCGCCAA AAACTTCCAA CGCGGCATGT TCCTCGTCCG GCAAATGGAG
1651 TTCGCCCTCT TTGATATGAT GATTTACAGC GAAGACGACG AAGGCCGTCT
1701 GAAAAACTGG CAACAGGTTT TAGACAGCGT GCGCAAAAAA GTCGCCGTCA
1751 TCCAGCCGCC CGAATACAAC CGCTTCGCCT TGAGCTTCGG CCACATCTTC
1801 GCAGGCGGCT ATTCCGCAGG CTATTACAGC TACGCGTGGG CGGAAGTATT
1851 GAGCGCGGAC GCATACGCCG CCTTTGAAGA AAGCCGACGA GTCGCCGCA
1901 CAGGCAAACG CTTTTGGCAG GAAATCCTCG CCGTCGGCG ATCGCCGCAGC
1951 GCGGCAGAAT CCTTCAAAGC CTTCCGCGGC CGCGAACCGA GCATAGACGC
2001 ACTCTTGCGC CACAGCGGTT TCGACAACGC GGTCTGA
```

This corresponds to the amino acid sequence <SEQ ID 57; ORF 128-1>:

m128-1.pep.

1 MTDNALLHLG EEPRFDQIKT EDIKPALQTA IAEAREQIAA IKAQTHTGWA
51 NTVEPLTGIT ERVGRIWGVV SHLNSVADTP ELRAVYNELM PEITVFFTEI
101 GQDIELYNRF KTIKNSPEFD TLSPAQKTKL NHDLRDFVLS GAELPPEQQA
151 ELAKLQTEGA QLSAKFSQNV LDATDAFGIY FDDAAPLAGI PEDALAMFAA
201 AAQSESKTGY KIGLQIPHYL AVIQYADNRE LREQIYRAYV TRASELSDDG
251 KFDNTANIDR TLANALQTAK LLGFKNYAEL SLATKMADTP EQVLNFLHDL
301 ARRAKPYAEK DLAEVKAFAR ESLNLADLQP WDLGYASEKL REAKYAFSET
351 EVKKYFPVGK VLNGLFAQIK KLYGIGFTEK TVPVWHKDVR YFELQQNGET
401 IGGVYMDLYA REGKRGGAWM NDYKGRRRFS DGTLQLPTAY LVCNFAPPVG
451 GREARLSHDE ILILFHETGH GLHHLLTQVD ELGVSGINGV EWDAVELPSQ
501 FMENFVWEYN VLAQMSAHEE TGVPLPKELF DKMLAAKNFQ RGMFLVRQME
551 FALFDMMIYS EDDEGRLKNW QQVLDSVRKK VAVIQPPEYN RFALSFGHIF
601 AGGYSAGYYS YAWAEVLSAD AYAAFEESDD VAATGKRFWQ EILAVGGSRS

The following partial DNA sequence was identified in N. gonorrhoeae <SEQ ID 58>:

q128-1.seq (partial) 1 ATGATTGACA ACGCACTGCT CCACTTGGGC GAAGAACCCC GTTTTAATCA 51 AATCAAAACC GAAGACATCA AACCCGCCGT CCAAACCGCC ATCGCCGAAG 101 CGCGCGGACA AATCGCCGCC GTCAAAGCGC AAACGCACAC CGGCTGGGCG 151 AACACCGTCG AGCGTCTGAC CGGCATCACC GAACGCGTCG GCAGGATTTG GGGCGTCGTG TCCCATCTCA ACTCCGTCGT CGACACGCCC GAACTGCGCG CCGTCTATAA CGAACTGATG CCTGAAATCA CCGTCTTCTT CACCGAAATC GGACAAGACA TCGAACTGTA CAACCGCTTC AAAACCATCA AAAATTCCCC 301 351 CGAATTTGCA ACGCTTTCCC CCGCACAAAA AACCAAGCTC GATCACGACC TGCGCGATTT CGTATTGAGC GGCGCGGAAC TGCCGCCCGA ACGGCAGGCA 451 GAACTGGCAA AACTGCAAAC CGAAGGCGCG CAACTTTCCG CCAAATTCTC CCAAAACGTC CTAGACGCGA CCGACGCGTT CGGCATTTAC TTTGACGATG CCGCACCGCT TGCCGGCATT CCCGAAGACG CGCTCGCCAT GTTTGCCGCC 601 GCCGCGCAAA GCGAAGGCAA AACAGGTTAC AAAATCGGCT TGCAGATTCC 651 GCACTACCTT GCCGTTATCC AATACGCCGG CAACCGCGAA CTGCGCGAAC 701 AAATCTACCG CGCCTACGTT ACCCGTGCCA GCGAACTTTC AAACGACGGC 751 AAATTCGACA ACACCGCCAA CATCGACCGC ACGCTCGAAA ACGCATTGAA 801 AACCGCCAAA CTGCTCGGCT TTAAAAATTA CGCCGAATTG TCGCTGGCAA CCAAAATGGC GGACACGCCC GAACAGGTTT TAAACTTCCT GCACGACCTC 851 GCCCGCCGCG CCAAACCCTA CGCCGAAAAA GACCTCGCCG AAGTCAAAGC 951 CTTCGCCCGC GAACACCTCG GTCTCGCCGA CCCGCAGCCG TGGGACTTGA 1001 GCTACGCCGG CGAAAAACTG CGCGAAGCCA AATACGCATT CAGCGAAACC 1051 GAAGTCAAAA AATACTTCCC CGTCGGCAAA GTTCTGGCAG GCCTGTTCGC 1101 CCAAATCAAA AAACTCTACG GCATCGGATT CGCCGAAAAA ACCGTTCCCG 1151 TCTGGCACAA AGACGTGCGC TATTTTGAAT TGCAACAAAA CGGCAAAACC 1201 ATCGGCGGCG TTTATATGGA TTTGTACGCA CGCGAAGGCA AACGCGGCGG CGCGTGGATG AACGACTACA AAGGCCGCCG CCGCTTTGCC GACGGCACGC 1251 TGCAACTGCC CACCGCCTAC CTCGTCTGCA ACTTCGCCCC GCCCGTCGGC 1351 GGCAAAGAAG CGCGTTTAAG CCACGACGAA ATCCTCACCC TCTTCCACGA 1401 AACCGGCCAC GGACTGCACC ACCTGCTTAC CCAAGTGGAC GAACTGGGCG 1451 TGTCCGGCAT CAACGGCGTA AAA

This corresponds to the amino acid sequence <SEQ ID 59; ORF 128-1.ng>: g128-1.pep (partial)

	(partial)						
	DNALLHLG EEPRFNQI						
	VERLTGIT ERVGRIWG						
	DIELYNRF KTIKNSPE	_					
	AKLQTEGA QLSAKFSQ						
	QSEGKTGY KIGLQIPH						
	DNTANIDR TLENALKT						
-	RAKPYAEK DLAEVKAF		_				
	KKYFPVGK VLAGLFAQ						
	GVYMDLYA REGKRGGA				FAPPVG		
451 GK	EARLSHDE ILTLFHET	GH GLHHLLT(QVD ELGVSG	INGV K	•		
	·						
m128-1/g128-	1 ORFs 128-1 a	nd 128-1.n	g showed	a 94.5%	identity	in 491	aa
overlap							
	10	20	30	40	50	60	
g128-1.pep	MIDNALLHLGEEPRFN	QIKTEDIKPA'	VQTAIAEARG	QIAAVKAQTI	HTGWANTVER	LTGIT	
							•
m128-1	MTDNALLHLGEEPRF	QIKTEDIKPA	LQTAIAEARE	QIAAIKAQT			
•	10	20	30	40	50	60	
					•	1	
	70	80	90	100	110	120	
g128-1.pep	ERVGRIWGVVSHLNSV						:
m128-1	ERVGRIWGVVSHLNSV	ADTPELRAVY	NELMPEITVF	FTEIGQDIE	LYNRFKTIKN	SPEFD	
	. 70	80	90	100	110	120	
	130	140	150	160	170	180	
g128-1.pep	TLSPAQKTKLDHDLRI	FVLSGAELPP	ERQAELAKLQ	TEGAQLSAK	FSQNVLDATE	AFGIY	
•			1:11111111	111111111	1111111111	11111	
m128-1	TLSPAQKTKLNHDLRI	FVLSGAELPP	EQQAELAKLQ	TEGAQLSAK	FSQNVLDAT [AFGIY	
	130	140	150	160	170	180	
	190	200	210	220	230	240	
g128-1.pep	FDDAAPLAGIPEDAL/						
	111111111111						
m128-1	FDDAAPLAGIPEDALA	MFAAAAQSES	KTGYKIGLQI	PHYLAVIQY	ADNRELREQI	YRAYV	
	. 190	200	210	220	230	240	
							•
	250	260	270	280	290	300	
g128-1.pep	TRASELSNDGKFDNT						
	1111111:1111111						
m128-1	TRASELSDDGKFDNT	MIDRTLANAL	QTAKLLGFKN	YAELSLATK	MADTPEQVL	FLHDL	
	250	260	270	280	290	300	
	•						
•	310	320	330	340	350	360	
g128-1.pep	ARRAKPYAEKDLAEVI	Kafarehlgla	DPQPWDLSYA	GEKLREAKY	AFSETEVKK)	/fpvgk	
m128-1	ARRAKPYAEKDLAEVI	KAFARESLNLA	DLQPWDLGYA	SEKLREAKY	AFSETEVKK	/FPVGK	
	310	320	330	340	350	360	
	370	380	390	400	410	420	
g128-1.pep	VLAGLFAQIKKLYGI			_			
m128-1	VLNGLFAQIKKLYGI					RGGAWM	
	370	380	390	400	410	420	
			•				
	420	4.40	450	4.00	470	400	

440

g128-1.pep

450

 $\verb"NDYKGRRRFADGTLQLPTAYLVCNFAPPVGGKEARLSHDEILTLFHETGHGLHHLLTQVD"$

460

470

- 100 -

```
NDYKGRRRFSDGTLQLPTAYLVCNFAPPVGGREARLSHDEILILFHETGHGLHHLLTQVD
     m128-1
                          430
                                    440
                                              450
                                                        460
                          490
                  ELGVSGINGVK
     g128-1.pep
                   ELGVSGINGVEWDAVELPSQFMENFVWEYNVLAQMSAHEETGVPLPKELFDKMLAAKNFQ
     m128-1
                                                        520
                                    500
                                              510
The following DNA sequence was identified in N. meningitidis <SEQ ID 60>:
     a128-1.seq
               ATGACTGACA ACGCACTGCT CCATTTGGGC GAAGAACCCC GTTTTGATCA
             1
                AATCAAAACC GAAGACATCA AACCCGCCCT GCAAACCGCC ATTGCCGAAG
                CGCGCGAACA AATCGCCGCC ATCAAAGCCC AAACGCACAC CGGCTGGGCA
               AACACTGTCG AACCCCTGAC CGGCATCACC GAACGCGTCG GCAGGATTTG
                GGGCGTGGTG TCGCACCTCA ACTCCGTCAC CGACACGCCC GAACTGCGCG
                CCGCCTACAA TGAATTAATG CCCGAAATTA CCGTCTTCTT CACCGAAATC
                GGACAAGACA TCGAGCTGTA CAACCGCTTC AAAACCATCA AAAACTCCCC
                CGAGTTCGAC ACCCTCTCCC ACGCGCAAAA AACCAAACTC AACCACGATC
                TGCGCGATTT CGTCCTCAGC GGCGCGGAAC TGCCGCCCGA ACAGCAGGCA
           401
                GAATTGGCAA AACTGCAAAC CGAAGGCGCG CAACTTTCCG CCAAATTCTC
           451
                CCAAAACGTC CTAGACGCGA CCGACGCGTT CGGCATTTAC TTTGACGATG
           501
                CCGCACCGCT TGCCGGCATT CCCGAAGACG CGCTCGCCAT GTTTGCCGCT
           551
                GCCGCGCAAA GCGAAGGCAA AACAGGCTAC AAAATCGGTT TGCAGATTCC
                GCACTACCTC GCCGTCATCC AATACGCCGA CAACCGCAAA CTGCGCGAAC
                AAATCTACCG CGCCTACGTT ACCCGCGCCA GCGAGCTTTC AGACGACGGC
           701
                AAATTCGACA ACACCGCCAA CATCGACCGC ACGCTCGAAA ACGCCCTGCA
           751
                AACCGCCAAA CTGCTCGGCT TCAAAAACTA CGCCGAATTG TCGCTGGCAA
                CCAAAATGGC GGACACCCCC GAACAAGTTT TAAACTTCCT GCACGACCTC
           851
                GCCCGCCGCG CCAAACCCTA CGCCGAAAAA GACCTCGCCG AAGTCAAAGC
           901
                CTTCGCCCGC GAAAGCCTCG GCCTCGCCGA TTTGCAACCG TGGGACTTGG
                GCTACGCCGG CGAAAAACTG CGCGAAGCCA AATACGCATT CAGCGAAACC
          1001
                GAAGTCAAAA AATACTTCCC CGTCGGCAAA GTATTAAACG GACTGTTCGC
          1051
                CCAAATCAAA AAACTCTACG GCATCGGATT TACCGAAAAA ACCGTCCCCG
          1101
                TCTGGCACAA AGACGTGCGC TATTTTGAAT TGCAACAAAA CGGCGAAACC
                ATAGGCGGCG TTTATATGGA TTTGTACGCA CGCGAAGGCA AACGCGGCGG
          1201
                CGCGTGGATG AACGACTACA AAGGCCGCCG CCGTTTTTCA GACGGCACGC
          1251
                TGCAACTGCC CACCGCCTAC CTCGTCTGCA ACTTCACCCC GCCCGTCGGC
                GGCAAAGAAG CCCGCTTGAG CCATGACGAA ATCCTCACCC TCTTCCACGA
                AACCGGACAC GGCCTGCACC ACCTGCTTAC CCAAGTCGAC GAACTGGGCG
          1401
                TATCCGGCAT CAACGCCGTA GAATGGGACG CAGTCGAACT GCCCAGTCAG
          1451
                TTTATGGAAA ATTTCGTTTG GGAATACAAT GTCTTGGCGC AAATGTCCGC
          1501
                CCACGAAGAA ACCGGCGTTC CCCTGCCGAA AGAACTCTTC GACAAAATGC
          1551
                TCGCCGCCAA AAACTTCCAA CGCGGAATGT TCCTCGTCCG CCAAATGGAG
          1601
                TTCGCCCTCT TTGATATGAT GATTTACAGC GAAGACGACG AAGGCCGTCT
          1651
                 GAAAAACTGG CAACAGGTTT TAGACAGCGT GCGCAAAGAA GTCGCCGTCG
           1701
                TCCGACCGCC CGAATACAAC CGCTTCGCCA ACAGCTTCGG CCACATCTTC
           1751
                 GCAGGCGGCT ATTCCGCAGG CTATTACAGC TACGCGTGGG CGGAAGTATT
                 GAGCGCGGAC GCATACGCCG CCTTTGAAGA AAGCGACGAT GTCGCCGCCA
                CAGGCAAACG CTTTTGGCAG GAAATCCTCG CCGTCGGCGG ATCGCGCAGC
           1901
                GCGGCAGAAT CCTTCAAAGC CTTCCGCGGA CGCGAACCGA GCATAGACGC
           1951
           2001 ACTCTTGCGC CACAGCGGCT TCGACAACGC GGCTTGA
 This corresponds to the amino acid sequence <SEQ ID 61; ORF 128-1.a>:
       a128-1.pep
                MTDNALLHLG EEPRFDQIKT EDIKPALQTA IAEAREQIAA IKAQTHTGWA
                NTVEPLTGIT ERVGRIWGVV SHLNSVTDTP ELRAAYNELM PEITVFFTEI
            101 GQDIELYNRF KTIKNSPEFD TLSHAQKTKL NHDLRDFVLS GAELPPEQQA
            151 ELAKLQTEGA QLSAKFSQNV LDATDAFGIY FDDAAPLAGI PEDALAMFAA
                 AAQSEGKTGY KIGLQIPHYL AVIQYADNRK LREQIYRAYV TRASELSDDG
                 KFDNTANIDR TLENALQTAK LLGFKNYAEL SLATKMADTP EQVLNFLHDL
```

301	ARRAKPYAEK DLAEVKAF	AR ESLGLADLQP WDLGYAGEKL REAKYAFSET
351	EVKKYFPVGK VLNGLFAQ	IK KLYGIGFTEK TVPVWHKDVR YFELQQNGET
401	IGGVYMDLYA REGKRGGA	WM NDYKGRRRFS DGTLQLPTAY LVCNFTPPVG
451	GKEARLSHDE ILTLFHET	GH GLHHLLTQVD ELGVSGINGV EWDAVELPSQ
501	FMENFVWEYN VLAQMSAH	EE TGVPLPKELF DKMLAAKNFQ RGMFLVRQME
551	FALFDMMIYS EDDEGRLK	NW QQVLDSVRKE VAVVRPPEYN RFANSFGHIF
601	AGGYSAGYYS YAWAEVLS	AD AYAAFEESDD VAATGKRFWQ EILAVGGSRS
651	AAESFKAFRG REPSIDAL	LR HSGFDNAA*

m128-1/a128-1 ORFs 128-1 and 128-1.a showed a 97.8% identity in 677 aa overlap

•	10	20	30	40	50	60
a128-1.pep	MTDNALLHLGEEPRF	DOIKTEDIK	PALQTAIAEA	REQIAAIKAQ	THTGWANTVE	PLTGIT
m128-1						
11120-1	10	20	30	AEQIAAIRAQ . 40	50	60
				.,		
	70	80	90	100	110	120
a128-1.pep	ERVGRIWGVVSHLNS	VIDIPELRA	YANETWEETL	VFFTEIGQDI	ELYNRFKTIK	NSPEED
m128-1	ERVGRIWGVVSHLNS	VADTPELRA	YNELMPEIT	VFFTEIGODI	ELYNRFKTIK	NSPEFD
	70	80	90	100	110	120
	130	140	150	1.60	170 :	100
a128-1.pep	TLSHAQKTKLNHDLR	140 DEVLSGAELI	150 PPEODAELAK	160	170 KESONULDAT	180
dilo lipop	111 11111111111					
m128-1	TLSPAQKTKLNHDLR					DAFGIY
	130	140	150	. 160	170	180
•	190	200	210	220	230	240
a128-1.pep	FDDAAPLAGIPEDAL	amfaaaaqsi	EGKTGYKIGL			
	11314111111111111					
m128-1	FDDAAPLAGIPEDAL 190	amfaaaaqsi 200	ESKTGYKIGL 210	QIPHYLAVIQ 220	YADNRELREC 230	IYRAYV 240
:	190	200	210	220	230	240
	250	260	270	280	290	300
a128-1.pep	TRASELSDDGKFDNT					
m128-1		ן ן ן ן ן ן ן ן ן ן ן ן ן ן ן ן ן ן ן			MADEOU	NELUDI
11120-1	250	260	270	280	290	300
					-, -	
-100 1	310	320	330	340	350	360
a128-1.pep	ARRAKPYAEKDLAEV					
m128-1	ARRAKPYAEKDLAEV					
	310	320	330	340	350	360
	370	380	390	400	. 410	400
a128-1.pep	VLNGLFAQIKKLYGI			400 OONGETTGGV	410 YMDI.YAREGE	420 RGGAWM
	1111111111111					111111
m128-1	VLNGLFAQIKKLYGI					
	370	380	390	400	410	420
•	430	440	450	460	470	480
a128-1.pep	NDYKGRRRFSDGTLQ					
-120 1		11111111	1:11111:11	111111111	1111111111	
m128-1	NDYKGRRRFSDGTLQ 430	LPTAYLVCNI 440	FAPPVGGREA 450	RLSHDEILIL 460	FHETGHGLHF 470	ILLTQVD 480
•	330	110	1 JU	4 UU .	4.70	480
	490	500	510	520	530	540
a128-1.pep	ELGVSGINGVEWDAV	ELPSQFMENI	VWEYNVLAQ	MSAHEETGVP	LPKELFDKMI	AAKNFQ
				aaaaaaa	1111111111111	111111

WO 00/66791 PCT/US00/05928

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m128-1	ELGVSGINGVEWDAY	/ELPSQFMEN	FVWEYNVLAQ	MSAHEETGVP	LPKELFDKMI	AAKNFQ
	490	500	510	520	530	540
	550	560	570	580	590	600
a128-1.pep	RGMFLVRQMEFALF	OMMIYSEDDE	GRLKNWQQVL	DSVRKEVAVV	RPPEYNRFAI	NSFGHIF
		ШНИ	1111111111	11111:111:	:11111111	111111
m128-1	RGMFLVRQMEFALF	OMMIYSEDDE	GRLKNWQQVL	DSVRKKVAVI	QPPEYNRFA	LSFGHIF
	550	560	570	580	590	600
	610	620	630	640	650	660
a128-1.pep	AGGYSAGYYSYAWAI	EVLSADAYAA	AFEESDDVAAT	GKRFWQEILA	VGGSRSAAES	SFKAFRG
•		[1111111111	4111111111		
m128-1	AGGYSAGYYSYAWAI		-	_		SFKAFRG
	610	620	630	640	650	660
	670	679				
a128-1.pep	REPSIDALLRHSGF					
m128-1	REPSIDALLRHSGF	XVANC				
	670					

206

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 62>: m206.seq

```
1 ATGTTTCCC CCGACAAAAC CCTTTTCCTC TGTCTCAGCG CACTGCTCCT
51 CGCCTCATGC GGCACGACCT CCGGCAAACA CCGCCAACCG AAACCCAAAC
101 AGACAGTCCG GCAAATCCAA GCCGTCCGCA TCAGCCACAT CGACCGCACA
151 CAAGGCTCGC AGGAACTCAT GCTCCACAGC CTCGGACTCA TCGGCACGCC
201 CTACAAATGG GGCGCAGCA GCACCGCAAC CGGCTTCGAT TGCAGCGGCA
251 TGATTCAATT CGTTTACAAY AACGCCCTCA ACGTCAAGCT GCCGCGCACC
301 GCCCGCGACA TGGCGGCGGC AAGCCGSAAA ATCCCCGACA GCCGCYTCAA
351 GGCCGGCGAC CTCGTATTCT TCAACACCGG CGGCGCACAC CGCTACTCAC
401 ACGTCGGACT CTACATCGGC AACGGCGAAT TCATCCATGC CCCCAGCAGC
451 GGCAAAACCA TCAAAACCGA AAAACTCTCC ACACCGTTTT ACGCCAAAAA
501 CTACCTCGGC GCACATACTT TTTTTACAGA ATGA
```

This corresponds to the amino acid sequence <SEQ ID 63; ORF 206>:

m206.pep..

1 MFPPDKTLFL CLSALLLASC GTTSGKHRQP KPKQTVRQIQ AVRISHIDRT

51 QGSQELMLHS LGLIGTPYKW GGSSTATGFD CSGMIQFVYK NALNVKLPRT .

101 ARDMAAASRK IPDSRXKAGD LVFFNTGGAH RYSHVGLYIG NGEFIHAPSS

151 GKTIKTEKLS TPFYAKNYLG AHTFFTE*

The following partial DNA sequence was identified in N. gonorrhoeae <SEQ ID 64>: g206.seq

```
atgititice cegacaaaac cettiteete tgieteggeg cactgeteet
51 egeeteatge ggeaegaeet eeggeaaaca eegeeaaeeg aaaceeaaac
101 agacagteeg geaaateeaa geegteegea teageeaeat eggeegeaea
151 eaaggetege aggaaeteat geteeaeage eteggaetea teggeaegee
201 etacaaatgg ggeggeagea geaeegeaae eggetiegae tgeageggea
251 tgatteaatt ggitiacaaa aaegeeetea aegiteaaget geegegeaee
301 geeegegaea teggeggege aageegeaaa ateeeegaea geegeeteaa
351 ggeeggegae ategititet teaaeaeegg eggegeaeae egetaeteae
401 aegiteggaet etaeategge aaeggegaat teateeatge eeeeggaage
451 ggeaaaaeea teaaaaeega aaaaetetee aeaeeggittit aegeeaaaaa
501 etaeettgga gegeataegt tittiaeaga atga
```

•		•	•		
This corresponds	to the amino acid sequ	uence <seo< td=""><td>ID 65: ORF</td><td>206.ng>:</td><td></td></seo<>	ID 65: ORF	206.ng>:	
	to the minio acid seq.	moneo DDQ	10 00, 014		•
g206.pep			D 1/D1/07/17/07/	NUM TOUTON	
1	MFSPDKTLFL CLGALLLAS				
51	QGSQELMLHS LGLIGTPYK				
101	ARDMAAASRK IPDSRLKAG	D IVFFNTGGA	H RYSHVGLYIC	3 NGEFIHAPGS	
151	GKTIKTEKLS TPFYAKNYI	G AHTFFTE*		•	
. •	·				
•					*
ORF 206 shows	96.0% identity over a	177 aa overla	p with a pred	licted ORF (OI	RF 206.ng
		•	• •	•	
from N. gonorrh	beae.				
m206/g206				* •	
	10		30 4	-	60
m206.pep	MFPPDKTLFLCLSALLI	Lascgttsgkhr	QPKPKQTVRQI	QAVRISHIDRTQGS	SQELMLHS
			111111111		
g206	MFSPDKTLFLCLGALLI	LASCGTTSGKHR	QPKPKQTVRQI	QAVRISHIGRTQGS	SOELMLHS
3	10	20	30 4		60
			•		
	70	80	90 10	0 110	120
	LGLIGTPYKWGGSSTA				
m206.pep	LGLIGIPIKWGGSSIA.	I I I I I I I I I I I I I I I I I I I	INMAMMAKER		III IIII
g206	LGLIGTPYKWGGSSTA	_			
	70	80	90 10	0 110	120
			•		
	130		.50 16	-	
m206.pep	LVFFNTGGAHRYSHVG	Lyigngefihap	SSGKTIKTEKL	Stpfyaknylgah	TFFTEX
	:	11111111111111	: ! ! ! ! ! ! ! ! ! ! ! !	11111111111	11111
g206	IVFFNTGGAHRYSHVG	LYIGNGEFIHAP	GSGKTIKTEKL	STPFYAKNYLGAH	TFFTE
32	130	140 1	.50 16	0 170	
The fellowing n	artial DNA sequence v	vac identified	in M monin	mitidie <seo ii<="" td=""><td>7 66></td></seo>	7 66>
	artial DIVA sequence v	vas identified	шту. memm	giiiais -SEQ II	J 00
a206.seq					
. 1	ATGTTTCCCC CCGACAAA				
51	CGCCTCATGC GGCACGAC				
101	AGACAGTCCG GCAAATCC				
151	CAAGGCTCGC AGGAACTC				
201	CTACAAATGG GGCGGCAG	CA GCACCGCA	AC CGGCTTCGA	T TGCAGCGGCA	
251	TGATTCAATT CGTTTACA	AA AACGCCCTC	CA ACGTCAAGC	T GCCGCGCACC	
301	GCCCGCGACA TGGCGGCG				
351	GGCCGGCGAC CTCGTATT	CT TCAACACCC	G CGGCGCACA	C CGCTACTCAC	
401	ACGTCGGACT CTATATCG	GC AACGGCGAA	AT TCATCCATO	C CCCCAGCAGC	•.
451	GGCAAAACCA TCAAAACC	GA AAAACTCTO	CC ACACCGTTT	T ACGCCAAAAA	
501	CTACCTCGGC GCACATAC	TT TCTTTACAC	SA ATGA		•
This correspond	s to the amino acid sec	mence <seo< td=""><td>ID 67: ORF</td><td>206.a>:</td><td></td></seo<>	ID 67: ORF	206.a>:	
a206.pep	b to the animo acid set	100000 024			
	MEDDOWNIET CICALLIA	ec comecvus	OD POPOMUDOI	יים אנום דב עד הם	
1	MFPPDKTLFL CLSALLLA				
	QGSQELMLHS LGLIGTPY				
	ARDMAAASRK IPDSRLKA		AH RYSHVGLYI	G NGETTHAPSS	
151	GKTIKTEKLS TPFYAKNY	LG AHTFFTE*		•	
m206/a206 O	RFs 206 and 206.a sho	wed a 99.4%	identity in 1	// aa overlap	•
	10	20	30 4	10 50	60
m206.pep	MFPPDKTLFLCLSALL				
a206	MFPPDKTLFLCLSALL				
4200	10	20		10 50	60

- 104 -

	70	80	90	100	110	120
m206.pep	LGLIGTPYKWGGS	STATGFDCSG	11QFVYKNALI	NVKLPRTARDM	IAAASRKIPDS	RXKAGD
a206	LGLIGTPYKWGGS	STATGFDCSG1	1IQFVYKNAL I	NVKLPRTARDM	IAAASRKIPDS	RLKAGD
	70	80	90	100	110	120
	130	140	150	160	170	
m206.pep	LVFFNTGGAHRYSI	NGLYIGNGE	FIHAPSSGKT	IKTEKLSTPFY	AKNYLGAHTE	FTEX
	1111111111111	1111111111	1111111111	[[]]]	1111111111	1111
a206	LVFFNTGGAHRYSI	HVGLYIGNGE	THAPSSGKT	IKTEKLSTPFY	AKNYLGAHTE	FTEX
	130	140	150	160	170	

287

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 68>:

```
m287.seq
          ATGTTTAAAC GCAGCGTAAT CGCAATGGCT TGTATTTTTG CCCTTTCAGC
          CTGCGGGGGC GGCGGTGGCG GATCGCCCGA TGTCAAGTCG GCGGACACGC
          TGTCAAAACC TGCCGCCCCT GTTGTTTCTG AAAAAGAGAC AGAGGCAAAG
     151 GAAGATGCGC CACAGGCAGG TTCTCAAGGA CAGGGCGCGC CATCCGCACA
     201 AGGCAGTCAA GATATGGCGG CGGTTTCGGA AGAAAATACA GGCAATGGCG
     251 GTGCGGTAAC AGCGGATAAT CCCAAAAATG AAGACGAGGT GGCACAAAAT
     301 GATATGCCGC AAAATGCCGC CGGTACAGAT AGTTCGACAC CGAATCACAC
     351 CCCGGATCCG AATATGCTTG CCGGAAATAT GGAAAATCAA GCAACGGATG
     401
          CCGGGGAATC GTCTCAGCCG GCAAACCAAC CGGATATGGC AAATGCGGCG
     451
          GACGGAATGC AGGGGGACGA TCCGTCGGCA GGCGGGCAAA ATGCCGGCAA
          TACGGCTGCC CAAGGTGCAA ATCAAGCCGG AAACAATCAA GCCGCCGGTT
     501
     551 CTTCAGATCC CATCCCGCG TCAAACCCTG CACCTGCGAA TGGCGGTAGC
     601 AATTTTGGAA GGGTTGATTT GGCTAATGGC GTTTTGATTG ACGGGCCGTC
     651 GCAAAATATA ACGTTGACCC ACTGTAAAGG CGATTCTTGT AGTGGCAATA
     701 ATTTCTTGGA TGAAGAAGTA CAGCTAAAAT CAGAATTTGA AAAATTAAGT
     751 GATGCAGACA AAATAAGTAA TTACAAGAAA GATGGGAAGA ATGATAAATT
          TGTCGGTTTG GTTGCCGATA GTGTGCAGAT GAAGGGAATC AATCAATATA
     851 TTATCTTTTA TAAACCTAAA CCCACTTCAT TTGCGCGATT TAGGCGTTCT
     901 GCACGGTCGA GGCGGTCGCT TCCGGCCGAG ATGCCGCTGA TTCCCGTCAA
          TCAGGCGGAT ACGCTGATTG TCGATGGGGA AGCGGTCAGC CTGACGGGGC
    1001 ATTCCGGCAA TATCTTCGCG CCCGAAGGGA ATTACCGGTA TCTGACTTAC
    1051 GGGGCGGAAA AATTGCCCGG CGGATCGTAT GCCCTTCGTG TTCAAGGCGA
          ACCGGCAAAA GGCGAAATGC TTGCGGGCGC GGCCGTGTAC AACGGCGAAG
    1101
    1151
          TACTGCATTT CCATACGGAA AACGGCCGTC CGTACCCGAC CAGGGGCAGG
    1201 TTTGCCGCAA AAGTCGATTT CGGCAGCAAA TCTGTGGACG GCATTATCGA
    1251 CAGCGGCGAT GATTTGCATA TGGGTACGCA AAAATTCAAA GCCGCCATCG
    1301 ATGGAAACGG CTTTAAGGGG ACTTGGACGG AAAATGGCAG CGGGGATGTT
    1351 TCCGGAAAGT TTTACGGCCC GGCCGGCGAG GAAGTGGCGG GAAAATACAG
          CTATCGCCCG ACAGATGCGG AAAAGGGCGG ATTCGGCGTG TTTGCCGGCA
          AAAAAGAGCA GGATTGA
```

This corresponds to the amino acid sequence <SEQ ID 69; ORF 287>:

m287.pep					
1	MFKRSVIAMA	CIFALSACGG	GGGGSPDVKS	ADTLSKPAAP	VVSEKETEAK
51	EDAPQAGSQG	QGAPSAQGSQ	DMAAVSEENT	GNGGAVTADN	PKNEDEVAQN
101	DMPQNAAGTD	SSTPNHTPDP	NMLAGNMENQ	ATDAGESSQP	ANQPDMANAA
151	DGMQGDDPSA	GGQNAGNTAA	QGANQAGNNQ	AAGSSDPIPA	SNPAPANGGS
201	NFGRVDLANG	VLIDGPSQNI	TLTHCKGDSC	SGNNFLDEEV	QLKSEFEKLS
251	DADKISNYKK	DGKNDKFVGL	VADSVQMKGI	NQYIIFYKPK	PTSFARFRRS
301	ARSRRSLPAE	MPLIPVNOAD	TLIVDGEAVS	LTGHSGNIFA	PEGNYRYLTY

```
351 GAEKLPGGSY ALRVQGEPAK GEMLAGAAVY NGEVLHFHTE NGRPYPTRGR
401 FAAKVDFGSK SVDGIIDSGD DLHMGTQKFK AAIDGNGFKG TWTENGSGDV
451 SGKFYGPAGE EVAGKYSYRP TDAEKGGFGV FAGKKEQD*
```

The following partial DNA sequence was identified in N. gonorrhoeae <SEQ ID 70>: g287.seq

```
1
     atgittaaac gcagtgigat igcaatggct igtattitic ccctticagc
 51
     ctgtgggggc ggcggtggcg gatcgcccga tgtcaagtcg gcggacacgc
     cgtcaaaacc ggccgccccc gttgttgctg aaaatgccgg ggaaggggtg
     ctgccgaaag aaaagaaaga tgaggaggca gcggggggtg cgccgcaagc
151
201 cgatacgcag gacgcaaccg ccggagaagg cagccaagat atggcggcag
251 tttcggcaga aaatacaggc aatggcggtg cggcaacaac ggacaacccc
301 aaaaatgaag acgcgggggc gcaaaatgat atgccgcaaa atgccgccga
351 atccgcaaat caaacaggga acaaccaacc cgccggttct tcagattccg
401 cccccgcgtc aaaccctgcc cctgcgaatg gcggtagcga ttttggaagg
 451
     acgaacgtgg gcaattctgt tgtgattgac ggaccgtcgc aaaatataac
     gttgacccac tgtaaaggcg attcttgtaa tggtgataat ttattggatg
501
551
     aagaagcacc gtcaaaatca gaatttgaaa aattaagtga tgaagaaaaa
601 attaagcgat ataaaaaaga cgagcaacgg gagaattttg tcggtttggt
     tgctgacagg gtaaaaaagg atggaactaa caaatatatc atcttctata
     cggacaaacc acctactcgt tctgcacggt cgaggaggtc gcttccggcc
701
751
     gagattccgc tgattcccgt caatcaggcc gatacgctga ttgtggatgg
801
     ggaagcggtc agcctgacgg ggcattccgg caatatcttc gcgcccgaag
851
     ggaattaccg gtatctgact tacggggcgg aaaaattgcc cggcggatcg
     tatgccctcc gtgtgcaagg cgaaccggca aaaggcgaaa tgcttgttgg
901
951 cacggccgtg tacaacggcg aagtgctgca tttccatatg gaaaacggcc
     gtccgtaccc gtccggaggc aggtttgccg caaaagtcga tttcggcagc
1051 aaatctgtgg acggcattat cgacagcggc gatgatttgc atatgggtac
1101 gcaaaaattc aaagccgcca tcgatggaaa cggctttaag gggacttgga
1151 cggaaaatgg cggcggggat gtttccggaa ggttttacgg cccggccggc
1201
     gaggaagtgg cgggaaaata cagctatcgc ccgacagatg ctgaaaaggg
1251 cggattcggc gtgtttgccg gcaaaaaaga tcgggattga
```

This corresponds to the amino acid sequence <SEQ ID 71; ORF 287.ng>: q287.pep

```
1 MFKRSVIAMA CIFPLSACGG GGGGSPDVKS ADTPSKPAAP VVAENAGEGV
51 LPKEKKDEEA AGGAPQADTQ DATAGEGSQD MAAVSAENTG NGGAATTDNP
101 KNEDAGAQND MPQNAAESAN QTGNNQPAGS SDSAPASNPA PANGGSDFGR
151 TNVGNSVVID GPSQNITLTH CKGDSCNGDN LLDEEAPSKS EFEKLSDEEK
201 IKRYKKDEQR ENFVGLVADR VKKDGTNKYI IFYTDKPPTR SARSRRSLPA
251 EIPLIPVNQA DTLIVDGEAV SLTGHSGNIF APEGNYRYLT YGAEKLPGGS
301 YALRVQGEPA KGEMLVGTAV YNGEVLHFHM ENGRPYPSGG RFAAKVDFGS
351 KSVDGIIDSG DDLHMGTQKF KAAIDGNGFK GTWTENGGGD VSGRFYGPAG
401 EEVAGKYSYR PTDAEKGGFG VFAGKKDRD*
```

m287/g287 ORFs 287 and 287.ng showed a 70.1% identity in 499 aa overlap

		10	20	30	40		49
m287.pep	MFKRS			SPDVKSADTLS	KPAAPVVSE-		-KETEA
005	11111				111111111111111		1: 11
g287	MFKRS	VIAMACIFP.	LSACGGGGGG:	SPDVKSADTPS	KPAAPVVAEN.	AGEGVLPKE	KKDEEA
		10	20	.30	40	50	60
	50	60	70	80	90	100	109
m287.pep	KEDAP	QAGSQGQGA	PSAQGSQDMAI	AVSEENTGNGG	AVTADNPKNE	DEVAQNDMP	QNAAGT
	- 11		:::	{	1:1:111111	1 111111	1111
g287	AGGAP	QADTQDA	TAGEGSQDMAJ	AVSAENTGNGG	AATTONPKNE	DAGAQNDMP	QNAA
		70	80	90	100	110	

m287.pep	110 120 DSSTPNHTPDPN	130	140	150 Эманаарсмос	160	169
mzo/.pep	DSSTENNIEDEN	MINGMMENQAID	VGE92ÖLVIĞE	DOMOGRAPHING	DDE SHGGQI	INUNIA
g287				'		
•						
	170 180	190	200	210	220	229
m287.pep	AQGANQAGNNQA					
mzo, pop						
g287	-ESANQTGNNQP					
	120	130 14	0 150	160	170)
	220 240	250	260	270	200	200
m287.pep	230 240 CSGNNFLDEEVQ	250	260 KTSNVKKDGKNI	270 nkfyci.vansv	280 ZOMKGTNOVI	289
mzo / . pep	1:1:1:111:	:				
g287	CNGDNLLDEEAP					
3		190 20		220	230	
	290 300	310	320 -	330	340	349
m287.pep	KPTSFARFRRSA					
g287	: KPPTRSA					
g287	240	250	260	270	280	290
	350 360	370	380	390	400	409
m287.pep	YGAEKLPGGSYA	-				
g287		LRVQGEPAKGEM	ILVGTAVYNGEV 320	LHFHMENGRPY 330	PSGGRFAAI 340	SVDFGS 350
	300	310	320	330	340	350
	410 420	430	440	450	460	469
m287.pep		LHMGTQKFKAAI				
	11111111111111	111111111111111	111111111111	11:11111:11		
g287		LHMGTQKFKAAI				
	360	370	380	390	400	410
	470 480	489				
m287.pep	PTDAEKGGFGVE					
	11111111111					
g287	PTDAEKGGFGV	FAGKKDRDX				
	420	430				
0.11	1 737.4	•••	1 . 37		-CEO ED A	70.
	artial DNA seque	nce was ident	ined in N. m	eningitiais <	SEQ ID	/2>:
a287.seq						
1	ATGTTTAAAC GCAG					
51 101	TGTCAAAACC TGC					
151	CTGCCGAAAG AAAA					
201	CGATACGCAG GAC					
251	TTTCGGCAGA AAA	TACAGGC AATGO	SCGGTG CGGCA	ACAAC GGAT	AATCCC	
301						
351	TACAGATAGT TCG					
401	GAGATATGGG AAAC					
451 501	GTCGGCAGGG GAA					
551	CTGAAAACAA TCAA					
601	CCTAACGCCA CGAZ					
651	TGGCATCAAG CTTC					
701	AAGACAAAGT ATG					
751	TCAGAATTTG AAA					
801	AGACGAGCAA CGAC	SAGAATT TTGT(GGTTT GGTTG	CTGAC AGGG	TAGAAA	

851

AGAATGGAAC TAACAAATAT GTCATCATTT ATAAAGACAA GTCCGCTTCA

```
TCTTCATCTG CGCGATTCAG GCGTTCTGCA CGGTCGAGGC GGTCGCTTCC
          901
          951
              GGCCGAGATG CCGCTGATTC CCGTCAATCA GGCGGATACG CTGATTGTCG
        1001
              ATGGGGAAGC GGTCAGCCTG ACGGGGCATT CCGGCAATAT CTTCGCGCCC
              GAAGGGAATT ACCGGTATCT GACTTACGGG GCGGAAAAAT TGTCCGGCGG
         1051
         1101
              ATCGTATGCC CTCAGTGTGC AAGGCGAACC GGCAAAAGGC GAAATGCTTG
              CGGGCACGGC CGTGTACAAC GGCGAAGTGC TGCATTTCCA TATGGAAAAC
         1151
              GGCCGTCCGT CCCCGTCCGG AGGCAGGTTT GCCGCAAAAG TCGATTTCGG
        1201
              CAGCAAATCT GTGGACGGCA TTATCGACAG CGGCGATGAT TTGCATATGG
         1251
              GTACGCAAAA ATTCAAAGCC GTTATCGATG GAAACGGCTT TAAGGGGACT
         1301
              TGGACGGAAA ATGGCGGCGG GGATGTTTCC GGAAGGTTTT ACGGCCCGGC
        1351
         1401
              CGGCGAAGAA GTGGCGGGAA AATACAGCTA TCGCCCGACA GATGCGGAAA
              AGGGCGGATT CGGCGTGTTT GCCGGCAAAA AAGAGCAGGA TTGA
This corresponds to the amino acid sequence <SEQ ID 73; ORF 287.a>:
     a287.pep
              MFKRSVIAMA CIVALSACGG GGGGSPDVKS ADTLSKPAAP VVTEDVGEEV
              LPKEKKDEEA VSGAPQADTQ DATAGKGGQD MAAVSAENTG NGGAATTDNP
           51
         101
              ENKDEGPOND MPONAADTDS STPNHTPAPN MPTRDMGNOA PDAGESAOPA
          151
              NQPDMANAAD GMQGDDPSAG ENAGNTADQA ANQAENNQVG GSQNPASSTN
              PNATNGGSDF GRINVANGIK LDSGSENVTL THCKDKVCDR DFLDEEAPPK
          201
              SEFEKLSDEE KINKYKKDEQ RENFVGLVAD RVEKNGTNKY VIIYKDKSAS
          251
              SSSARFRRSA RSRRSLPAEM PLIPVNQADT LIVDGEAVSL TGHSGNIFAP
          301
              EGNYRYLTYG AEKLSGGSYA LSVQGEPAKG EMLAGTAVYN GEVLHFHMEN
          351
          401
              GRPSPSGGRF AAKVDFGSKS VDGIIDSGDD LHMGTQKFKA VIDGNGFKGT
              WTENGGGDVS GRFYGPAGEE VAGKYSYRPT DAEKGGFGVF AGKKEOD*
     m287/a287
                 ORFs 287 and 287.a showed a 77.2% identity in 501 aa overlap
                         10
                                  20
                                            30
                                                     40
                                                                        49
                 MFKRSVIAMACIFALSACGGGGGGSPDVKSADTLSKPAAPVVSE---
     m287.pep
                                                                 ----KETEA
                 MFKRSVIAMACIVALSACGGGGGGSPDVKSADTLSKPAAPVVTEDVGEEVLPKEKKDEEA
     a287
                         10
                                  20
                                            30
                                   70
                                             80
                                                      90
                                                               100
                 KEDAPQAGSQGQAPSAQGSQDMAAVSEENTGNGGAVTADNPKNEDEVAQNDMPQNAAGT
     m287.pep
                    1111 :1
                             VSGAPQADTQ--DATAGKGGQDMAAVSAENTGNGGAATTDNPENKDEGPQNDMPQNAADT
     a287
                         70
                                    80
                                             90
                                                      100
                                                               110
               110
                         120
                                  130
                                            140
                                                     150
                                                              160
                 DSSTPNHTPDPNMLAGNMENQATDAGESSQPANQPDMANAADGMQGDDPSAGGQNAGNTA
     m287.pep
                 DSSTPNHTPAPNMPTRDMGNQAPDAGESAQPANQPDMANAADGMQGDDPSAG-ENAGNTA
     a287
                120
                          130
                                   140
                                             150
                                                      160
                                                                170
               170
                         180
                                  190
                                            200
                                                     210
                                                              220
                                                                       229
     m287.pep
                 AQGANQAGNNQAAGSSDPIPASNPAPANGGSNFGRVDLANGVLIDGPSQNITLTHCKGDS
                  1:1111 | 111::11::1 ::11 ::1111:111:::111:::1:1:1:1111
                 DQAANQAENNQVGGSQNPASSTNPNATNGGSDFGRINVANGIKLDSGSENVTLTHCKDKV
     a287
                 180
                          190
                                    200
                                             210
                                                       220
               230
                         240
                                  250
                                            260
                                                     270
                                                               280
                                                                       289
                 CSGNNFLDEEVQLKSEFEKLSDADKISNYKKDGKNDKFVGLVADSVQMKGINQYIIFYKP
     m287.pep
                 1: :11111: 1111/1111 :11::1111 : ::1111111 1: :1 1:1:1:11
                 CD-RDFLDEEAPPKSEFEKLSDEEKINKYKKDEQRENFVGLVADRVEKNGTNKYVIIYKD
     a287
                  240
                           250
                                     260
                                              270
                                                        280
                                                                 290
               290
                          300
                                             320
                                                       330
                                                                340
     m287.pep
                 KP--TSFARFRRSARSRRSLPAEMPLIPVNQADTLIVDGEAVSLTGHSGNIFAPEGNYRY
```

- 108 -

a287	KSASSSSA	RFRRSARSF	RSLPAEMPLI	PVNQADTLIVI	DGEAVSLTGH	SGNI FAPEGNYF	łΥ
	300	310	320	330	340	350	
	350	360	370	380	390	400	
m287.pep	LTYGAEKI	PGGSYALRV	QGEPAKGEML	AGAAVYNGEV I	LHFHTENGRP	YPTRGRFAAKVI	Œ
•	1111111	111111	41111111H	11:1111111		1: 11111111	П
a287	LTYGAEKI	SGGSYALSV	QGEPAKGEML	AGTAVYNGEV	LHFHMENGRP	SPSGGRFAAKVI	ΣF
	360	370	380	390	400	410	
	410	420	430	440	450	460	
m287.pep	GSKSVDGI	IDSGDDLHM	IGTQKFKAAID	GNGFKGTWTE	NGSGDVSGKF	YGPAGEEVAGK?	(S
	11111111	111111111	111111111111111111111111111111111111111		11:11111:1	11111111111	П
a287	GSKSVDGI	IDSGDDLHN	IGTQKFKAVID	GNGFKGTWTEI	NGGGDVSGRF	YGPAGEEVAGKY	ſS
+	420	430	440	450	460	470	
	470	480	489				
m287.pep		GGFGVFAGE					
mzo/.pep	IRPIDAED	ILLLLLLLL	(KEQDX				
	11111111	11111111	777071				
a287		GGFGVFAGE	KEQUX				
	480	490					

406

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 74>: m406.seq

```
1 ATGCAAGCAC GGCTGCTGAT ACCTATTCTT TTTTCAGTTT TTATTTTATC
51 CGCCTGCGGG ACACTGACAG GTATTCCATC GCATGGCGGA GGTAAACGCT
101 TTGCGGTCGA ACAAGAACTT GTGGCCGCTT CTGCCAGAGC TGCCGTTAAA
151 GACATGGATT TACAGGCATT ACACGGACGA AAAGTTGCAT TGTACATTGC
201 CACTATGGGC GACCAAGGTT CAGGCAGTTT GACAGGGGGT CGCTACTCCA
251 TTGATGCACT GATTCGTGGC GAATACATAA ACAGCCCTGC CGTCCGTACC
301 GATTACACCT ATCCACGTTA CGAAACCACC GCTGAAACAA CATCAGGCGG
351 TTTGACAGGT TTAACCACTT CTTTATCTAC ACTTAATGCC CCTGCACTCT
401 CTCGCACCCA ATCAGACGGT AGCGGAAGTA AAAGCAGTCT GGGCTTAAAT
451 ATTGGCGGGA TGGGGGATTA TCGAAATGAA ACCTTGACGA CTAACCCGCG
501 CGACACTGCC TTTCTTTCCC ACTTGGTACA GACCGTATTT TTCCTGCGCG
551 GCATAGACGT TGTTTCTCCT GCCAATGCCG ATACAGATGT GTTTATTAAC
601 ATCGACGTAT TCGGAACGAT ACGCAACAGA ACCGAAATGC ACCTATACAA
651 TGCCGAAACA CTGAAAGCCC AAACAAAACT GGAATATTTC GCAGTAGACA
701 GAACCAATAA AAAATTGCTC ATCAAACCAA AAACCAATGC GTTTGAAGCT
751 GCCTATAAAG AAAATTACGC ATTGTGGATG GGGCCGTATA AAGTAAGCAA
801 AGGAATTAAA CCGACGGAAG GATTAATGGT CGATTTCTCC GATATCCGAC
851 CATACGGCAA TCATACGGGT AACTCCGCCC CATCCGTAGA GGCTGATAAC
901 AGTCATGAGG GGTATGGATA CAGCGATGAA GTAGTGCGAC AACATAGACA
951 AGGACAACCT TGA
```

This corresponds to the amino acid sequence <SEQ ID 75; ORF 406>: m406.pep

1	MOARLLIPIL	FSVFILSACG	TLTGIPSHGG	GKRFAVEQEL	VAASARAAVK
51	DMDLQALHGR	KVALYIATMG	DQGSGSLTGG	RYSIDALIRG	EYINSPAVRT
101	DYTYPRYETT	AETTSGGLTG	LTTSLSTLNA	PALSRTQSDG	SGSKSSLGLN
151	IGGMGDYRNE	TLTTNPRDTA	FLSHLVQTVF	FLRGIDVVSP	ANADTDVFIN
201	IDVFGTIRNR	TEMHLYNAET	LKAQTKLEYF	AVDRTNKKLL	IKPKTNAFEA
251	AYKENYALWM	GPYKVSKGIK	PTEGLMVDFS	DIRPYGNHTG	NSAPSVEADN
301	SHEGYGYSDE	VVRQHRQGQP	*		

The following partial DNA sequence was identified in N. gonorrhoeae <SEQ ID 76>: g406.seq

ATGCGGGCAC GGCTGCTGAT ACCTATTCTT TTTTCAGTTT TTATTTTATC 1 CGCCTGCGGG ACACTGACAG GTATTCCATC GCATGGCGGA GGCAAACGCT 51 TCGCGGTCGA ACAAGAACTT GTGGCCGCTT CTGCCAGAGC TGCCGTTAAA 101 151 GACATGGATT TACAGGCATT ACACGGACGA AAAGTTGCAT TGTACATTGC 201 AACTATGGGC GACCAAGGTT CAGGCAGTTT GACAGGGGGT CGCTACTCCA 251 TTGATGCACT GATTCGCGGC GAATACATAA ACAGCCCTGC CGTCCGCACC 301 GATTACACCT ATCCGCGTTA CGAAACCACC GCTGAAACAA CATCAGGCGG 351 TTTGACGGGT TTAACCACTT CTTTATCTAC ACTTAATGCC CCTGCACTCT 401 CGCGCACCCA ATCAGACGGT AGCGGAAGTA GGAGCAGTCT GGGCTTAAAT 451 ATTGGCGGGA TGGGGGATTA TCGAAATGAA ACCTTGACGA CCAACCCGCG CGACACTGCC TTTCTTTCCC ACTTGGTGCA GACCGTATTT TTCCTGCGCG 501 GCATAGACGT TGTTTCTCCT GCCAATGCCG ATACAGATGT GTTTATTAAC 551 ATCGACGTAT TCGGAACGAT ACGCAACAGA ACCGAAATGC ACCTATACAA 601 TGCCGAAACA CTGAAAGCCC AAACAAAACT GGAATATTTC GCAGTAGACA 651 701 GAACCAATAA AAAATTGCTC ATCAAACCCA AAACCAATGC GTTTGAAGCT GCCTATAAAG AAAATTACGC ATTGTGGATG GGGCCGTATA AAGTAAGCAA 801 AGGAATCAAA CCGACGGAAG GATTGATGGT CGATTTCTCC GATATCCAAC CATACGGCAA TCATACGGGT AACTCCGCCC CATCCGTAGA GGCTGATAAC AGTCATGAGG GGTATGGATA CAGCGATGAA GCAGTGCGAC AACATAGACA

This corresponds to the amino acid sequence <SEQ ID 77; ORF 406.ng>: g406.pep

- 1 MRARLLIPIL FSVFILSACG TLTGIPSHGG GKRFAVEQEL VAASARAAVK
 51 DMDLQALHGR KVALYIATMG DQGSGSLTGG RYSIDALIRG EYINSPAVRT
- 101 DYTYPRYETT AETTSGGLTG LTTSLSTLNA PALSRTQSDG SGSRSSLGLN
- 151 IGGMGDYRNE TLTTNPRDTA FLSHLVQTVF FLRGIDVVSP ANADTDVFIN
- 201 IDVFGTIRNR TEMHLYNAET LKAQTKLEYF AVDRTNKKLL IKPKTNAFEA
- 251 AYKENYALWM GPYKVSKGIK PTEGLMVDFS DIQPYGNHTG NSAPSVEADN
- 301 SHEGYGYSDE AVRQHRQGQP *

AGGGCAACCT TGA

ORF 406.ng shows 98.8% identity over a 320 as overlap with a predicted ORF (ORF406.a) from N. gonorrhoeae: g406/m406

	10	20	30	40	50	60
g406.pep	MRARLLIPILFS	VFILSACGTLTG	IPSHGGGKRI	FAVEQELVAAS	ARAAVKOMD	LQALHGR
m406		/FILSACGTLTG	I PSHGGGKRI		ARAAVKOMD	LOALHGR
	10	20	30	40	50	60
	70	80	90	100	110	120
g406.pep	KVALYIATMGDQQ					
			ШШШ		1111111111	
m406	KVALYIATMGDQ	SSGSLTGGRYSI	DALIRGEYI 1	NSPAVRTDYTY	PRYETTAET	TSGGLTG
•	70	80	90	100	110	120
	120	140	3.50	3.60		
0.00	130	140	150	160	170	180
g406.pep	LTTSLSTLNAPAI	LSRTQSDGSGSR	SSLGLNIGGN	MGDYRNETLTT	nprdtafls	HLVQTVF
		[[[]]]	1111111		11111111	111111
m406	LTTSLSTLNAPAI	LSRTQSDGSGSK	SSLGLNIGGN	MGDYRNETLTT	NPRDTAFLS	HLVOTVF
	130	140	150	160	170	180
	190	200	210	220	230	240
						210

g406.pep	FLRGIDVVSPANADTDVFINIDVFGTIRNRTEMHLYNAETLKAQTKLEYFAVDRTNKKLL	
m406	FLRGIDVVSPANADTDVFINIDVFGTIRNRTEMHLYNAETLKAQTKLEYFAVDRTNKKLL 190 200 210 220 230 240	
	·	
g406.pep	250 260 270 280 290 300 IKPKTNAFEAAYKENYALWMGPYKVSKGIKPTEGLMVDFSDIQPYGNHTGNSAPSVEADN	
5100.Pop		
m406	IKPKTNAFEAAYKENYALWMGPYKVSKGIKPTEGLMVDFSDIRPYGNHTGNSAPSVEADN 250 260 270 280 290 300	
	250 260 270 280 290 300	
	310 320	
g406.pep	SHEGYGYSDEAVRQHRQGQPX	
m406	SHEGYGYSDEVVRQHRQGQPX	
	310 320	
The following	partial DNA sequence was identified in N. meningitidis <seq 78="" id=""></seq>	. .
a406. sec	- · · · · · · · · · · · · · · · · · · ·	•
, 1	1 ATGCAAGCAC GGCTGCTGAT ACCTATTCTT TTTTCAGTTT TTATTTTATC	
51		
101 151		
201		
251		
301		
351	1 TTTGACAGGT TTAACCACTT CTTTATCTAC ACTTAATGCC CCTGCACTCT	
401		
451		
501		
551		
601		
65]		
701 751		
801		
851		
901	· · · · · · · · · · · · · · · · · · ·	
951		
This same	nds to the amine said sequence <seo 406="" 70;="" e="" id="" ode="">.</seo>	
•	nds to the amino acid sequence <seq 406.a="" 79;="" id="" orf="">:</seq>	
a406.per		
51	1 MOARLLIPIL FSVFILSACG TLTGIPSHGG GKRFAVEQEL VAASARAAVK 1 DMDLQALHGR KVALYIATMG DQGSGSLTGG RYSIDALIRG EYINSPAVRT	
103		
151		
201		
251		
301		
m406/a40	06 ORFs 406 and 406.a showed a 98.8% identity in 320 aa over	-1 am
M406/240	ones and and anotal showed a 90.0% identity in 520 as over	rap
	10 20 30 40 50	60
m406.per	p MQARLLIPILFSVFILSACGTLTGIPSHGGGKRFAVEQELVAASARAAVKDMDLQAI	
a406	MQARLLIPILFSVFILSACGTLTGIPSHGGGKRFAVEQELVAASARAAVKDMDLQAJ	
400	10 20 30 40 50	60
	20 20 30 30	50
	70 80 90 100 110	120
m406.peg		
		HH

a406	KVALYIATMGDQGS	GSLTGGRYS	DALIRGEYIN	SPAVRTDYTY	PRYETTAETT	SGGLTG
•	70	80	90	100	110	120
	130	140	150	160	170	180
m406.pep	LTTSLSTLNAPALS	- · ·			- •	
	- 1111111111111111111111111111111111111	111111111	11111111111	1111111111	.11111111111	111111
a406	LTTSLSTLNAPALS	_				-
•	130	140	150	160	170	180
	190	200	210	220	230	240
m406.pep	FLRGIDVVSPANAD					
m400.pep	11111111111111	111111111				111111
a406	FLRGIDVVSPANAD	TOVFINIOV	FGTIRNRTEMH	LYNAETLKAC	TKLEYFAVDR	
	190	200	210	220	230	240
	250	260	270	280	290	300
m406.pep	IKPKTNAFEAAYKE	NYALWMGPYI	KVSKGIKPTEG	LMVDFSDIRE	YGNHTGNSAP	
				111111111111		
a406	IKPKTNAFEAAYKE 250	NYALWMGPY) 260	RVSKGIRPTEG 270	280	PYGNHMGNSAP 290	SVEADN 300
	230	200	210	200	290	300
	310	320				
m406.pep	SHEGYGYSDEVVRQ	HRQGQPX	•		!	
	111111111111:11:	111111				
a406	SHEGYGYSDEAVRR					•
	310	320				

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 80>:

m726.seq						
1	ATGACCATCT	ATTTCAAAAA	CGGCTTTTAC	GACGACACAT	TGGGCGGCAT	
51	CCCCGAAGGC	GCGGTTGCCG	TCCGCGCCGA	AGAATACGCC	GAATACGCC GCCCTTTTGG	
101	CAGGACAGGC	GCAGGGCGGG	CAGATTGCCG	CAGATTCCGA	CGGCCGCCCC	
151	GTTTTAACCC	CGCCGCGCCC	GTCCGATTAC	CACGAATGGG	ACGGCAAAAA	
201	ATGGAAAATC	AGCAAAGCCG	CCGCCGCCGC	CCGTTTCGCC	AAACAAAAAA	
251	CCGCCTTGGC	ATTCCGCCTC	GCGGAAAAGG	CGGACGAACT	CAAAAACAGC	
301	CTCTTGGCGG	GCTATCCCCA	AGTGGAAATC	GACAGCTTTT	ACAGGCAGGA	
351	AAAAGAAGCC	CTCGCGCGGC	AGGCGGACAA	CAACGCCCCG	ACCCCGATGC	
401	TGGCGCAAAT	CGCCGCCGCA	AGGGGCGTGG	AATTGGACGT	TTTGATTGAA	
451	AAAGTTATCG	AAAAATCCGC	CCGCCTGGCT	GTTGCCGCCG	GCGCGATTAT	
501	CGGAAAGCGT	CAGCAGCTCG	AAGACAAATT	GAACACCATC	GAAACCGCGC	
551	CCGGATTGGA	CGCGCTGGAA	AAGGAAATCG	AAGAATGGAC	GCTAAACATC	
601	GGCTGA					

This corresponds to the amino acid sequence <SEQ ID 81; ORF 726>:

```
m726.pep

1 MTIYFKNGFY DDTLGGIPEG AVAVRAEEYA ALLAGQAQGG QIAADSDGRP
51 VLTPPRPSDY HEWDGKKWKI SKAAAAARFA KQKTALAFRL AEKADELKNS
101 LLAGYPQVEI DSFYRQEKEA LARQADNNAP TPMLAQIAAA RGVELDVLIE
151 KVIEKSARLA VAAGAIIGKR QQLEDKLNTI ETAPGLDALE KEIEEWTLNI
201 G*
```

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 82>:

m907-2.seq

- 1 ATGAGAAAAC CGACCGATAC CCTACCCGTT AATCTGCAAC GCCGCCGCCT
- 51 GTTGTGTGCC GCCGGTGCGT TGTTGCTCAG TCCTCTGGCG CACGCCGGCG
- 101 CGCAACGTGA GGAAACGCTT GCCGACGATG TGGCTTCCGT GATGAGGAGT

```
151 TCTGTCGGCA GCGTCAATCC GCCGAGGCTG GTGTTTGACA ATCCGAAAGA
201 GGGCGAGCGT TGGTTGTCTG CCATGTCGGC ACGTTTGGCA AGGTTCGTCC
    CCGAGGAGGA GGAGCGCCC AGGCTGCTGG TCAATATCCA GTACGAAAGC
    AGCCGGGCCG GTTTGGATAC GCAGATTGTG TTGGGGCTGA TTGAGGTGGA
    AAGCGCGTTC CGCCAGTATG CAATCAGCGG TGTCGGCGCG CGCGGCCTGA
351
401 TGCAGGTTAT GCCGTTTTGG AAAAACTACA TCGGCAAACC GGCGCACAAC
451 CTGTTCGACA TCCGCACCAA CCTGCGTTAC GGCTGTACCA TCCTGCGCCA
501 TTACCGGAAT CTTGAAAAAG GCAACATCGT CCGCGCGCTT GCCCGCTTTA
551 ACGGCAGCTT GGGCAGCAAT AAATATCCGA ACGCCGTTTT GGGCGCGTGG
601 CGCAACCGCT GGCAGTGGCG TTGA
```

This corresponds to the amino acid sequence <SEQ ID 83; ORF 907-2>:

m907-2.pep

- 1 MRKPTDTLPV NLQRRRLLCA AGALLLSPLA HAGAQREETL ADDVASVMRS
- 51 SVGSVNPPRL VFDNPKEGER WLSAMSARLA RFVPEEEERR RLLVNIQYES
- 101 SRAGLDTQIV LGLIEVESAF RQYAISGVGA RGLMQVMPFW KNYIGKPAHN
- 151 LFDIRTNLRY GCTILRHYRN LEKGNIVRAL ARFNGSLGSN KYPNAVLGAW
- 201 RNRWOWR*

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 84>:

m953.seq

- 1 ATGAAAAAA TCATCTTCGC CGCACTCGCA GCCGCCGCCA TCAGTACTGC
- 51 CTCCGCCGCC ACCTACAAAG TGGACGAATA TCACGCCAAC GCCCGTTTCG
- 101 CCATCGACCA TTTCAACACC AGCACCAACG TCGGCGGTTT TTACGGTCTG
- 151 ACCGGTTCCG TCGAGTTCGA CCAAGCAAAA CGCGACGGTA AAATCGACAT
- 201 CACCATCCCC ATTGCCAACC TGCAAAGCGG TTCGCAACAC TTTACCGACC 251 ACCTGAAATC AGCCGACATC TTCGATGCCG CCCAATATCC GGACATCCGC
- 301 TTTGTTTCCA CCAAATTCAA CTTCAACGGC AAAAAACTGG TTTCCGTTGA 351 CGGCAACCTG ACCATGCACG GCAAAACCGC CCCCGTCAAA CTCAAAGCCG
- 401 AAAAATTCAA CTGCTACCAA AGCCCGATGG AGAAAACCGA AGTTTGTGGC
- 451 GGCGACTTCA GCACCACCAT CGACCGCACC AAATGGGGCA TGGACTACCT
- 501 CGTTAACGTT GGTATGACCA AAAGCGTCCG CATCGACATC CAAATCGAGG
- 551 CAGCCAAACA ATAA

This corresponds to the amino acid sequence <SEQ ID 85; ORF 953>:

m953.pep

- MKKIIFAALA AAAISTASAA TYKVDEYHAN ARFAIDHFNT STNVGGFYGL
- TGSVEFDQAK RDGKIDITIP IANLQSGSQH FTDHLKSADI FDAAQYPDIR
- FVSTKFNFNG KKLVSVDGNL TMHGKTAPVK LKAEKFNCYQ SPMEKTEVCG
- 151 GDFSTTIDRT KWGMDYLVNV GMTKSVRIDI QIEAAKQ*

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 86>:

orf1-1.seg

_	T. sec	4				
	1	ATGAAAACAA	CCGACAAACG	GACAACCGAA	ACACACCGCA	AAGCCCCGAA
	51	AACCGGCCGC	ATCCGCTTCT	CGCCTGCTTA	CTTAGCCATA	TGCCTGTCGT
	101	TCGGCATTCT	TCCCCAAGCC	TGGGCGGGAC	ACACTTATTT	CGGCATCAAC
	151	TACCAATACT	ATCGCGACTT	TGCCGAAAAT	AAAGGCAAGT	TTGCAGTCGG
	201	GGCGAAAGAT	ATTGAGGTTT	ACAACAAAAA	AGGGGAGTTG	GTCGGCAAAT
	251	CAATGACAAA	AGCCCCGATG	ATTGATTTTT	CTGTGGTGTC	GCGTAACGGC
	301	GTGGCGGCAT	TGGTGGGCGA	TCAATATATT	GTGAGCGTGG	CACATAACGG
	351	CGGCTATAAC	AACGTTGATT	TTGGTGCGGA	AGGAAGAAAT	CCCGATCAAC
	401	ATCGTTTTAC	TTATAAAATT	GTGAAACGGA	ATAATTATAA	AGCAGGGACT
	451	AAAGGCCATC	CTTATGGCGG	CGATTATCAT	ATGCCGCGTT	TGCATAAATT
	501	TGTCACAGAT	GCAGAACCTG	TTGAAATGAC	CAGTTATATG	GATGGGCGGA

AATATATCGA TCAAAATAAT TACCCTGACC GTGTTCGTAT TGGGGCAGGC AGGCAATATT GGCGATCTGA TGAAGATGAG CCCAATAACC GCGAAAGTTC ATATCATATT GCAAGTGCGT ATTCTTGGCT CGTTGGTGGC AATACCTTTG CACAAATGG ATCAGGTGGT GGCACAGTCA ACTTAGGTAG TGAAAAAATT AAACATAGCC CATATGGTTT TTTACCAACA GGAGGCTCAT TTGGCGACAG TGGCTCACCA ATGTTTATCT ATGATGCCCA AAAGCAAAAG TGGTTAATTA ATGGGGTATT GCAAACGGGC AACCCCTATA TAGGAAAAAG CAATGGCTTC CAGCTGGTTC GTAAAGATTG GTTCTATGAT GAAATCTTTG CTGGAGATAC CCATTCAGTA TTCTACGAAC CACGTCAAAA TGGGAAATAC TCTTTTAACG 1001 ACGATAATAA TGGCACAGGA AAAATCAATG CCAAACATGA ACACAATTCT CTGCCTAATA GATTAAAAAC ACGAACCGTT CAATTGTTTA ATGTTTCTTT 1051 1101 ATCCGAGACA GCAAGAGAAC CTGTTTATCA TGCTGCAGGT GGTGTCAACA 1151 GTTATCGACC CAGACTGAAT AATGGAGAAA ATATTTCCTT TATTGACGAA 1201 GGAAAAGGCG AATTGATACT TACCAGCAAC ATCAATCAAG GTGCTGGAGG 1251 ATTATATTC CAAGGAGATT TTACGGTCTC GCCTGAAAAT AACGAAACTT 1301 GGCAAGGCGC GGGCGTTCAT ATCAGTGAAG ACAGTACCGT TACTTGGAAA GTAAACGGCG TGGCAAACGA CCGCCTGTCC AAAATCGGCA AAGGCACGCT GCACGTTCAA GCCAAAGGGG AAAACCAAGG CTCGATCAGC GTGGGCGACG GTACAGTCAT TTTGGATCAG CAGGCAGACG ATAAAGGCAA AAAACAAGCC 1451 TTTAGTGAAA TCGGCTTGGT CAGCGGCAGG GGTACGGTGC AACTGAATGC 1501 CGATAATCAG TTCAACCCCG ACAAACTCTA TTTCGGCTTT CGCGGCGGAC GTTTGGATTT AAACGGGCAT TCGCTTTCGT TCCACCGTAT TCAAAATACC 1651 GATGAAGGGG CGATGATTGT CAACCACAAT CAAGACAAAG AATCCACCGT! 1701 TACCATTACA GGCAATAAAG ATATTGCTAC AACCGGCAAT AACAACAGCT TGGATAGCAA AAAAGAAATT GCCTACAACG GTTGGTTTGG CGAGAAAGAT 1751 1801 ACGACCAAAA CGAACGGGCG GCTCAACCTT GTTTACCAGC CCGCCGCAGA 1851 AGACCGCACC CTGCTGCTTT CCGGCGGAAC AAATTTAAAC GGCAACATCA 1901 CGCAAACAAA CGGCAAACTG TTTTTCAGCG GCAGACCAAC ACCGCACGCC 1951 TACAATCATT TAAACGACCA TTGGTCGCAA AAAGAGGGCA TTCCTCGCGG GGAAATCGTG TGGGACAACG ACTGGATCAA CCGCACATTT AAAGCGGAAA 2001 ACTTCCAAAT TAAAGGCGGA CAGGCGGTGG TTTCCCGCAA TGTTGCCAAA 2051 GTGAAAGGCG ATTGGCATTT GAGCAATCAC GCCCAAGCAG TTTTTGGTGT CGCACCGCAT CAAAGCCACA CAATCTGTAC ACGTTCGGAC TGGACGGGTC 2151 TGACAAATTG TGTCGAAAAA ACCATTACCG ACGATAAAGT GATTGCTTCA 2201 TTGACTAAGA CCGACATCAG CGGCAATGTC GATCTTGCCG ATCACGCTCA TTTAAATCTC ACAGGGCTTG CCACACTCAA CGGCAATCTT AGTGCAAATG 2351 GCGATACACG TTATACAGTC AGCCACAACG CCACCCAAAA CGGCAACCTT AGCCTCGTGG GCAATGCCCA AGCAACATTT AATCAAGCCA CATTAAACGG CAACACATCG GCTTCGGGCA ATGCTTCATT TAATCTAAGC GACCACGCCG 2501 TACAAAACGG CAGTCTGACG CTTTCCGGCA ACGCTAAGGC AAACGTAAGC CATTCCGCAC TCAACGGTAA TGTCTCCCTA GCCGATAAGG CAGTATTCCA 2551 TTTTGAAAGC AGCCGCTTTA CCGGACAAAT CAGCGGCGGC AAGGATACGG CATTACACTT AAAAGACAGC GAATGGACGC TGCCGTCAGG CACGGAATTA 2701 GGCAATTTAA ACCTTGACAA CGCCACCATT ACACTCAATT CCGCCTATCG 2751 GCCGTTCGCG CCGTTCGCGC CGTTCCCTAT TATCCGTTAC ACCGCCAACT TCGGTAGAAT CCCGTTTCAA CACGCTGACG GTAAACGGCA AATTGAACGG TCAGGGAACA TTCCGCTTTA TGTCGGAACT CTTCGGCTAC CGCAGCGACA 2951 AATTGAAGCT GGCGGAAAGT TCCGAAGGCA CTTACACCTT GGCGGTCAAC 3001 AATACCGGCA ACGAACCTGC AAGCCTCGAA CAATTGACGG TAGTGGAAGG 3051 AAAAGACAAC AAACCGCTGT CCGAAAACCT TAATTTCACC CTGCAAAACG 3101 AACACGTCGA TGCCGGCGCG TGGCGTTACC AACTCATCCG CAAAGACGGC GAGTTCCGCC TGCATAATCC GGTCAAAGAA CAAGAGCTTT CCGACAAACT 3151 3201 CGGCAAGGCA GAAGCCAAAA AACAGGCGGA AAAAGACAAC GCGCAAAGCC TTGACGCGCT GATTGCGGCC GGGCGCGATG CCGTCGAAAA GACAGAAAGC 3251 3301 GTTGCCGAAC CGGCCCGGCA GGCAGGCGGG GAAAATGTCG GCATTATGCA GGCGGAGGAA GAGAAAAAAC GGGTGCAGGC GGATAAAGAC ACCGCCTTGG 3351 CGAAACAGCG CGAAGCGGAA ACCCGGCCGG CTACCACCGC CTTCCCCCGC GCCCGCCGCG CCCGCCGGGA TTTGCCGCAA CTGCAACCCC AACCGCAGCC 3451 CCAACCGCAG CGCGACCTGA TCAGCCGTTA TGCCAATAGC GGTTTGAGTG 3501 3551 AATTTTCCGC CACGCTCAAC AGCGTTTTCG CCGTACAGGA CGAATTAGAC CGCGTATTTG CCGAAGACCG CCGCAACGCC GTTTGGACAA GCGGCATCCG GGACACCAAA CACTACCGTT CGCAAGATTT CCGCGCCTAC CGCCAACAAA 3651

- 114 -

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3701 CCGACCTGCG CCAAATCGGT ATGCAGAAAA ACCTCGGCAG CGGGCGCGTC
3751 GGCATCCTGT TTTCGCACAA CCGGACCGAA AACACCTTCG ACGACGGCAT
      CGGCAACTCG GCACGGCTTG CCCACGGCGC CGTTTTCGGG CAATACGGCA
3851 TCGACAGGTT CTACATCGGC ATCAGCGCGG GCGCGGGTTT TAGCAGCGGC
3901 AGCCTTTCAG ACGGCATCGG AGGCAAAATC CGCCGCCGCG TGCTGCATTA
3951 CGGCATTCAG GCACGATACC GCGCCGGTTT CGGCGGATTC GGCATCGAAC
4001 CGCACATCGG CGCAACGCGC TATTTCGTCC AAAAAGCGGA TTACCGCTAC
4051 GAAAACGTCA ATATCGCCAC CCCCGGCCTT GCATTCAACC GCTACCGCGC
4101 GGGCATTAAG GCAGATTATT CATTCAAACC GGCGCAACAC ATTTCCATCA
4151 CGCCTTATTT GAGCCTGTCC TATACCGATG CCGCTTCGGG CAAAGTCCGA
4201 ACACGCGTCA ATACCGCCGT ATTGGCTCAG GATTTCGGCA AAACCCGCAG
      TGCGGAATGG GGCGTAAACG CCGAAATCAA AGGTTTCACG CTGTCCCTCC
4301 ACGCTGCCGC CGCCAAAGGC CCGCAACTGG AAGCGCAACA CAGCGCGGGC
4351 ATCAAATTAG GCTACCGCTG GTAA
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This corresponds to the amino acid sequence <SEQ ID 87; ORF orf1-1>:

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1 MKTTDKRTTE THRKAPKTGR IRFSPAYLAI CLSFGILPQA WAGHTYFGIN
     YQYYRDFAEN KGKFAVGAKD IEVYNKKGEL VGKSMTKAPM IDFSVVSRNG
51 YQYYRDFAEN KGKFAVGAKD IEVYNKKGEL VGKSMTKAPM IDFSVVSRNG
101 VAALVGDQYI VSVAHNGGYN NVDFGAEGRN PDQHRFTYKI VKRNNYKAGT
151 KGHPYGGDYH MPRLHKFVTD AEPVEMTSYM DGRKYIDQNN YPDRVRIGAG
201 ROYWRSDEDE PNNRESSYHI ASAYSWLVGG NTFAQNGSGG GTVNLGSEKI
251 KHSPYGFLPT GGSFGDSGSP MFIYDAQKQK WLINGVLQTG NPYIGKSNGF
301 QLVRKDWFYD EIFAGDTHSV FYEPRONGKY SFNDDNNGTG KINAKHEHNS
351 LPNRLKTRTV QLFNVSLSET AREPVYHAAG GVNSYRPRLN NGENISFIDE
401 GKGELILTSN INQGAGGLYF QGDFTVSPEN NETWQGAGVH ISEDSTVTWK
451 VNGVANDRLS KIGKGTLHVQ AKGENQGSIS VGDGTVILDQ QADDKGKKQA
501 FSEIGLVSGR GTVQLNADNQ FNPDKLYFGF RGGRLDLNGH SLSFHRIQNT
551 DEGAMIVNHN ODKESTVTIT GNKDIATTGN NNSLDSKKEI AYNGWFGEKD
601 TTKTNGRLNL VYQPAAEDRT LLLSGGTNLN GNITQTNGKL FFSGRPTPHA
651 YNHLNDHWSQ KEGIPRGEIV WDNDWINRTF KAENFQIKGG QAVVSRNVAK
701 VKGDWHLSNH AQAVFGVAPH QSHTICTRSD WTGLTNCVEK TITDDKVIAS
751 LTKTDISGNV DLADHAHLNL TGLATLNGNL SANGDTRYTV SHNATQNGNL
801 SLVGNAQATF NQATLNGNTS ASGNASFNLS DHAVQNGSLT LSGNAKANVS
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951 SVESRFNTLT VNGKLNGQGT FRFMSELFGY RSDKLKLAES SEGTYTLAVN 1001 NTGNEPASLE QLTVVEGKDN KPLSENLNFT LQNEHVDAGA WRYQLIRKDG 1051 EFRLHNPVKE QELSDKLGKA EAKKQAEKDN AQSLDALIAA GRDAVEKTES 1101 VAEPARQAGG ENVGIMQAEE EKKRVQADKD TALAKQREAE TRPATTAFPR
1151 ARRARRDLPQ LQPQPQPQPQ RDLISRYANS GLSEFSATLN SVFAVQDELD
1201 RVFAEDRRNA VWTSGIRDTK HYRSQDFRAY RQQTDLRQIG MQKNLGSGRV

851 HSALNGNVSL ADKAVFHFES SRFTGQISGG KDTALHLKDS EWTLPSGTEL 901 GNLNLDNATI TLNSAYRHDA AGAQTGSATD APRRRSRRSR RSLLSVTPPT

1251 GILFSHNRTE NTFDDGIGNS ARLAHGAVFG QYGIDRFYIG ISAGAGFSSG 1301 SLSDGIGGKI RRRVLHYGIQ ARYRAGFGGF GIEPHIGATR YFVQKADYRY 1351 ENVNIATPGL AFNRYRAGIK ADYSFKPAQH ISITPYLSLS YTDAASGKVR

1401 TRVNTAVLAQ DFGKTRSAEW GVNAEIKGFT LSLHAAAAKG PQLEAQHSAG 1451 IKLGYRW*

The following partial DNA sequence was identified in N. meningitidis <SEQ ID 88>:

orf46-2.seq

orf1-1.pep

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1 TTGGGCATTT CCCGCAAAAT ATCCCTTATT CTGTCCATAC TGGCAGTGTG
51 CCTGCCGATG CATGCACACG CCTCAGATTT GGCAAACGAT TCTTTTATCC
101 GGCAGGTTCT CGACCGTCAG CATTTCGAAC CCGACGGGAA ATACCACCTA
151 TTCGGCAGCA GGGGGGAACT TGCCGAGCGC AGCGGCCATA TCGGATTGGG
201 AAAAATACAA AGCCATCAGT TGGGCAACCT GATGATTCAA CAGGCGGCCA
251 TTAAAGGAAA TATCGGCTAC ATTGTCCGCT TTTCCGATCA CGGGCACGAA
301 GTCCATTCCC CCTTCGACAA CCATGCCTCA CATTCCGATT CTGATGAAGC
351 CGGTAGTCCC GTTGACGGAT TTAGCCTTTA CCGCATCCAT TGGGACGGAT
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401
     ACGAACACCA TCCCGCCGAC GGCTATGACG GGCCACAGGG CGGCGGCTAT
     CCCGCTCCCA AAGGCGCGAG GGATATATAC AGCTACGACA TAAAAGGCGT
451
501
     TGCCCAAAAT ATCCGCCTCA ACCTGACCGA CAACCGCAGC ACCGGACAAC
     GGCTTGCCGA CCGTTTCCAC AATGCCGGTA GTATGCTGAC GCAAGGAGTA
601
     GGCGACGGAT TCAAACGCGC CACCCGATAC AGCCCCGAGC TGGACAGATC
     GGGCAATGCC GCCGAAGCCT TCAACGGCAC TGCAGATATC GTTAAAAACA
651
701
     TCATCGGCGC GGCAGGAGAA ATTGTCGGCG CAGGCGATGC CGTGCAGGGC
751
     ATAAGCGAAG GCTCAAACAT TGCTGTCATG CACGGCTTGG GTCTGCTTTC
      CACCGAAAAC AAGATGGCGC GCATCAACGA TTTGGCAGAT ATGGCGCAAC
851
     TCAAAGACTA TGCCGCAGCA GCCATCCGCG ATTGGGCAGT CCAAAACCCC
901
     AATGCCGCAC AAGGCATAGA AGCCGTCAGC AATATCTTTA TGGCAGCCAT
951
     CCCCATCAAA GGGATTGGAG CTGTTCGGGG AAAATACGGC TTGGGCGGCA
1001
      TCACGGCACA TCCTATCAAG CGGTCGCAGA TGGGCGCGAT CGCATTGCCG
1051
     AAAGGGAAAT CCGCCGTCAG CGACAATTTT GCCGATGCGG CATACGCCAA
     ATACCCGTCC CCTTACCATT CCCGAAATAT CCGTTCAAAC TTGGAGCAGC
1101
1151
      GTTACGGCAA AGAAAACATC ACCTCCTCAA CCGTGCCGCC GTCAAACGGC
1201
     AAAAATGTCA AACTGGCAGA CCAACGCCAC CCGAAGACAG GCGTACCGTT
1251
     TGACGGTAAA GGGTTTCCGA ATTTTGAGAA GCACGTGAAA TATGATACGA
      AGCTCGATAT TCAAGAATTA TCGGGGGGCG GTATACCTAA GGCTAAGCCT
1301
      GTGTTTGATG CGAAACCGAG ATGGGAGGTT GATAGGAAGC TTAATAAATT
1351
1401
      GACAACTCGT GAGCAGGTGG AGAAAAATGT TCAGGAAATA AGGAACGGTA
     ATATAAACAG TAACTTTAGC CAACATGCTC AACTAGAGAG GGAAATTAAT
1451
1501
     AAACTAAAAT CTGCCGATGA AATTAATTTT GCAGATGGAA TGGGAAAATT
      TACCGATAGC ATGAATGACA AGGCTTTTAG TAGGCTTGTG AAATCAGTTA
1551
      AAGAGAATGG CTTCACAAAT CCAGTTGTGG AGTACGTTGA AATAAATGGA
1601
1651
      AAAGCATATA TCGTAAGAGG AAATAATRGG GTTTTTGCTG CAGAATACCT
1701
      TGGCAGGATA CATGAATTAA AATTTAAAAA AGTTGACTTT CCTGTTCCTA
1751
      ATACTAGTTG GAAAAATCCT ACTGATGTCT TGAATGAATC AGGTAATGTT
1801 AAGAGACCTC GTTATAGGAG TAAATAA
```

This corresponds to the amino acid sequence <SEQ ID 89; ORF orf46-2>:

orf46-2.pep

```
1 LGISRKISLI LSILAVCLPM HAHASDLAND SFIRQVLDRQ HFEPDGKYHL
    FGSRGELAER SGHIGLGKIQ SHQLGNLMIQ QAAIKGNIGY IVRFSDHGHE
 51
    VHSPFDNHAS HSDSDEAGSP VDGFSLYRIH WDGYEHHPAD GYDGPQGGGY
    PAPKGARDIY SYDIKGVAQN IRLNLTDNRS TGQRLADRFH NAGSMLTQGV
    GDGFKRATRY SPELDRSGNA AEAFNGTADI VKNIIGAAGE IVGAGDAVQG
201
     ISEGSNIAVM HGLGLLSTEN KMARINDLAD MAQLKDYAAA AIRDWAVQNP
251
301
    NAAQGIEAVS NIFMAAIPIK GIGAVRGKYG LGGITAHPIK RSQMGAIALP
     KGKSAVSDNF ADAAYAKYPS PYHSRNIRSN LEQRYGKENI TSSTVPPSNG
351
401
     KNVKLADORH PKTGVPFDGK GFPNFEKHVK YDTKLDIQEL SGGGIPKAKP
451
     VFDAKPRWEV DRKLNKLTTR EQVEKNVQEI RNGNINSNFS QHAQLEREIN
501
    KLKSADEINF ADGMGKFTDS MNDKAFSRLV KSVKENGFTN PVVEYVEING
    KAYIVRGNNR VFAAEYLGRI HELKFKKVDF PVPNTSWKNP TDVLNESGNV
551
601
    KRPRYRSK*
```

Using the above-described procedures, the following oligonucleotide primers were employed in the polymerase chain reaction (PCR) assay in order to clone the ORFs as indicated:

Oligonucleotides used for PCR

ORF	Primer	Sequence	Restriction sites
279	Forward	CGCGGATCCCATATG-TTGCCTGCAATCACGATT	BamHI-Ndel
	Reverse	<pre><seq 90="" id=""> CCCGCTCGAG-TTTAGAAGCGGGCGGCAA <seq 91="" id=""></seq></seq></pre>	Xhol
519	Forward	CGCGGATCCCATATG-TTCAAATCCTTTGTCGTCA	BamHI-Ndel
	Reverse	CCCG <u>CTCGAG</u> -TTTGGCGGTTTTGCTGC <seq id<="" th=""><th>Xhol</th></seq>	Xhol
576	Forward	CGCGGATCCCATATG-GCCGCCCCCGCATCT	BamHI-Ndel
	Reverse	CCCGCTCGAG-ATTTACTTTTTTGATGTCGAC <seq 95="" id=""></seq>	Xhol
919	Forward	CGCGGATCCCATATG-TGCCAAAGCAAGAGCATC	BamHI-Ndel
	Reverse	CCCGCTCGAG-CGGGCGGTATTCGGG <seq 97="" id=""></seq>	Xhol
121	Forward	CGCGGATCCCATATG-GAAACACAGCTTTACAT	BamHl-Ndei
	Reverse	CCCGCTCGAG-ATAATAATATCCCGCGCCC <seq 99="" id=""></seq>	Xhol
128	Forward	CGCGGATCCCATATG-ACTGACAACGCACT <seq< th=""><th>BamHI-Ndel</th></seq<>	BamHI-Ndel
	Reverse	CCCGCTCGAG-GACCGCGTTGTCGAAA <seq 101="" id=""></seq>	Xhol
206	Forward	CGCGGATCCCATATG-AAACACCGCCAACCGA	BamHl-Ndel
	Reverse	CCCGCTCGAG-TTCTGTAAAAAAAGTATGTGC <seq 103="" id=""></seq>	Xhol
287	Forward	CCGGAATTCTAGCTAGC-CTTTCAGCCTGCGGG <seq 104="" id=""></seq>	EcoRI-Nhel
	Reverse	CCCGCTCGAG-ATCCTGCTCTTTTTTGCC <seq 105="" id=""></seq>	Xhol
406	Forward	CGCGGATCCCATATG-TGCGGGACACTGACAG	BamHi-Ndei
	Reverse	CCCGCTCGAG-AGGTTGTCCTTGTCTATG <seq 107="" id=""></seq>	Xhol

EXAMPLE 2

Expression of ORF 919

The primer described in Table 1 for ORF 919 was used to locate and clone ORF 919. The predicted gene 919 was cloned in pET vector and expressed in E. coli. The product of

protein expression and purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 919-His fusion protein purification. Mice were immunized with the purified 919-His and sera were used for Western blot (panel B), FACS analysis (panel C), bactericidal assay (panel D), and ELISA assay (panel E). Symbols: M1, molecular weight marker; PP, purified protein, TP, N. meningitidis total protein extract; OMV, N. meningitidis outer membrane vesicle preparation. Arrows indicate the position of the main recombinant protein product (A) and the N. meningitidis immunoreactive band (B). These experiments confirm that 919 is a surface-exposed protein and that it is a useful immunogen. The hydrophilicity plots, antigenic index, and amphipatic regions of ORF 919 are provided in Figure 10. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, J. Immunol 143:3007; Roberts et al. 1996, AIDS Res Human Retroviruses 12:593; Quakyi et al. 1992, Scand J Immunol Suppl 11:9). The nucleic acid sequence of ORF 919 and the amino acid sequence encoded thereby is provided in Example 1.

EXAMPLE 3

Expression of ORF 279

The primer described in Table 1 for ORF 279 was used to locate and clone ORF 279. The predicted gene 279 was cloned in pGex vector and expressed in E. coli. The product of protein expression and purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 279-GST purification. Mice were immunized with the purified 279-GST and sera were used for Western blot analysis (panel B), FACS analysis (panel C), bactericidal assay (panel D), and ELISA assay (panel E). Symbols: M1, molecular weight marker; TP, N. meningitidis total protein extract; OMV, N. meningitidis outer membrane vescicle preparation. Arrows indicate the position of the main recombinant protein product (A) and the N. meningitidis immunoreactive band (B). These experiments confirm that 279 is a surface-exposed protein and that it is a useful immunogen. The hydrophilicity plots, antigenic index, and amphipatic regions of ORF 279 are provided in Figure 11. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, J. Immunol 143:3007; Roberts et al. 1996, AIDS Res Human Retroviruses 12:593; Quakyi et al. 1992, Scand J Immunol Suppl 11:9). The nucleic acid sequence of ORF 279 and the amino acid sequence encoded thereby is provided in Example 1.

EXAMPLE 4

Expression of ORF 576

The primer described in Table 1 for ORF 576 was used to locate and clone ORF 576. The predicted gene 576 was cloned in pGex vector and expressed in E. coli. The product of protein purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 576-GST fusion protein purification. Mice were immunized with the purified 576-GST and sera were used for Western blot (panel B), FACS analysis (panel C), bactericidal assay (panel D), and ELISA assay (panel E). Symbols: M1, molecular weight marker; TP, N. meningitidis total protein extract; OMV, N. meningitidis outer membrane vescicle preparation. Arrows indicate the position of the main recombinant protein product (A) and the N. meningitidis immunoreactive band (B). These experiments confirm that ORF 576 is a surface-exposed protein and that it is a useful immunogen. The hydrophilicity plots, antigenic index, and amphipatic regions of ORF 576 are provided in Figure 12. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, J. Immunol 143:3007; Roberts et al. 1996, AIDS Res Human Retroviruses 12:593; Quakyi et al. 1992, Scand J Immunol Suppl 11:9). The nucleic acid sequence of ORF 576 and the amino acid sequence encoded thereby is provided in Example 1.

EXAMPLE 5

Expression of ORF 519

The primer described in Table 1 for ORF 519 was used to locate and clone ORF 519. The predicted gene 519 was cloned in pET vector and expressed in E. coli. The product of protein purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 519-His fusion protein purification. Mice were immunized with the purified 519-His and sera were used for Western blot (panel B), FACS analysis (panel C), bactericidal assay (panel D), and ELISA assay (panel E). Symbols: M1, molecular weight marker; TP, N. meningitidis total protein extract; OMV, N. meningitidis outer membrane vesicle preparation. Arrows indicate the position of the main recombinant protein product (A) and the N. meningitidis immunoreactive band (B). These experiments confirm that 519 is a surface-exposed protein

and that it is a useful immunogen. The hydrophilicity plots, antigenic index, and amphipatic regions of ORF 519 are provided in Figure 13. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, *J. Immunol* 143:3007; Roberts et al. 1996, *AIDS Res Human Retroviruses* 12:593; Quakyi et al. 1992, *Scand J Immunol Suppl* 11:9). The nucleic acid sequence of ORF 519 and the amino acid sequence encoded thereby is provided in Example 1.

EXAMPLE 6

Expression of ORF 121

The primer described in Table 1 for ORF 121 was used to locate and clone ORF 121. The predicted gene 121 was cloned in pET vector and expressed in E. coli. The product of protein purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 121-His fusion protein purification. Mice were immunized with the purified 121-His and sera were used for Western blot analysis (panel B), FACS analysis (panel C), bactericidal assay (panel D), and ELISA assay (panel E). Results show that 121 is a surface-exposed protein. Symbols: M1, molecular weight marker; TP, N. meningitidis total protein extract; OMV, N. meningitidis outer membrane vescicle preparation. Arrows indicate the position of the main recombinant protein product (A) and the N. meningitidis immunoreactive band (B). These experiments confirm that 121 is a surface-exposed protein and that it is a useful immunogen. The hydrophilicity plots, antigenic index, and amphipatic regions of ORF 121 are provided in Figure 14. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, J. Immunol 143:3007; Roberts et al. 1996, AIDS Res Human Retroviruses 12:593; Quakyi et al. 1992, Scand J Immunol Suppl 11:9). The nucleic acid sequence of ORF 121 and the amino acid sequence encoded thereby is provided in Example 1.

EXAMPLE 7

Expression of ORF 128

The primer described in Table 1 for ORF 128 was used to locate and clone ORF 128. The predicted gene 128 was cloned in pET vector and expressed in E. coli. The product of protein purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 128-His purification. Mice were immunized with the purified 128-His and sera were used for

Western blot analysis (panel B), FACS analysis (panel C), bactericidal assay (panel D) and ELISA assay (panel E). Results show that 128 is a surface-exposed protein. Symbols: M1, molecular weight marker; TP, N. meningitidis total protein extract; OMV, N. meningitidis outer membrane vesicle preparation. Arrows indicate the position of the main recombinant protein product (A) and the N. meningitidis immunoreactive band (B). These experiments confirm that 128 is a surface-exposed protein and that it is a useful immunogen. The hydrophilicity plots, antigenic index, and amphipatic regions of ORF 128 are provided in Figure 15. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, J. Immunol 143:3007; Roberts et al. 1996, AIDS Res Human Retroviruses 12:593; Quakyi et al. 1992, Scand J Immunol Suppl 11:9). The nucleic acid sequence of ORF 128 and the amino acid sequence encoded thereby is provided in Example 1.

EXAMPLE 8

Expression of ORF 206

The primer described in Table 1 for ORF 206 was used to locate and clone ORF 206. The predicted gene 206 was cloned in pET vector and expressed in E. coli. The product of protein purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 206-His purification. Mice were immunized with the purified 206-His and sera were used for Western blot analysis (panel B). It is worthnoting that the immunoreactive band in protein extracts from meningococcus is 38 kDa instead of 17 kDa (panel A). To gain information on the nature of this antibody staining we expressed ORF 206 in E. coli without the His-tag and including the predicted leader peptide. Western blot analysis on total protein extracts from E. coli expressing this native form of the 206 protein showed a recative band at a position of 38 kDa, as observed in meningococcus. We conclude that the 38 kDa band in panel B) is specific and that anti-206 antibodies, likely recognize a multimeric protein complex. In panel C is shown the FACS analysis, in panel D the bactericidal assay, and in panel E) the ELISA assay. Results show that 206 is a surface-exposed protein. Symbols: M1, molecular weight marker; TP, N. meningitidis total protein extract; OMV, N. meningitidis outer membrane vesicle preparation. Arrows indicate the position of the main recombinant protein product (A) and the N. meningitidis immunoreactive band (B). These experiments confirm that 206 is a surface-exposed protein and that it is a useful immunogen. The hydrophilicity plots,

antigenic index, and amphipatic regions of ORF 519 are provided in Figure 16. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, *J. Immunol* 143:3007; Roberts et al. 1996, *AIDS Res Human Retroviruses* 12:593; Quakyi et al. 1992, *Scand J Immunol Suppl* 11:9). The nucleic acid sequence of ORF 206 and the amino acid sequence encoded thereby is provided in Example 1.

EXAMPLE 9

Expression of ORF 287

The primer described in Table 1 for ORF 287 was used to locate and clone ORF 287. The predicted gene 287 was cloned in pGex vector and expressed in E. coli. The product of protein purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 287-GST fusion protein purification. Mice were immunized with the purified 287-GST and sera were used for FACS analysis (panel B), bactericidal assay (panel C), and ELISA assay (panel D). Results show that 287 is a surface-exposed protein. Symbols: M1, molecular weight marker. Arrow indicates the position of the main recombinant protein product (A). These experiments confirm that 287 is a surface-exposed protein and that it is a useful immunogen. The hydrophilicity plots, antigenic index, and amphipatic regions of ORF 287 are provided in Figure 17. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, J. Immunol 143:3007; Roberts et al. 1996, AIDS Res Human Retroviruses 12:593; Quakyi et al. 1992, Scand J Immunol Suppl 11:9). The nucleic acid sequence of ORF 287 and the amino acid sequence encoded thereby is provided in Example 1.

EXAMPLE 10

Expression of ORF 406

The primer described in Table 1 for ORF 406 was used to locate and clone ORF 406. The predicted gene 406 was cloned in pET vector and expressed in E. coli. The product of protein purification was analyzed by SDS-PAGE. In panel A) is shown the analysis of 406-His fusion protein purification. Mice were immunized with the purified 406-His and sera were used for Western blot analysis (panel B), FACS analysis (panel C), bactericidal assay (panel D), and ELISA assay (panel E). Results show that 406 is a surface-exposed protein. Symbols: M1, molecular weight marker; TP, N. meningitidis total protein extract; OMV, N.

meningitidis outer membrane vescicle preparation. Arrows indicate the position of the main recombinant protein product (A) and the N. meningitidis immunoreactive band (B). These experiments confirm that 406 is a surface-exposed protein and that it is a useful immunogen. The hydrophilicity plots, antigenic index, and amphipatic regions of ORF 406 are provided in Figure 18. The AMPHI program is used to predict putative T-cell epitopes (Gao et al 1989, J. Immunol 143:3007; Roberts et al. 1996, AIDS Res Human Retroviruses 12:593; Quakyi et al. 1992, Scand J Immunol Suppl 11:9). The nucleic acid sequence of ORF 406 and the amino acid sequence encoded thereby is provided in Example 1.

The foregoing examples are intended to illustrate but not to limit the invention.

Claims

- 1. A method for identifying an amino acid sequence, comprising the step of searching for putative open reading frames or protein-coding sequences within one or more of *N. meningitidis* nucleotide sequences selected from the group consisting of SEQ ID NO 1 and the NMB open reading frames.
- 2. A method according to claim 1, comprising the steps of searching a N. meningitidis nucleotide sequence for an initiation codon and searching the upstream sequence for an in-frame termination codon.
- 3. A method for producing a protein, comprising the step of expressing a protein comprising an amino acid sequence identified according to any one of claims 1-2.
- 4. A method for identifying a protein in *N. mengitidis*, comprising the steps of producing a protein according to claim 3, producing an antibody which binds to the protein, and determining whether the antibody recognises a protein produced by *N. menigitidis*.
- 5. Nucleic acid comprising an open reading frame or protein-coding sequence identified by a method according to any one of claims 1-2.
 - 6. A protein obtained by the method of claim 3.
- 7. Nucleic acid comprising one or more of the *N. meningitidis* nucleotide sequences selected from the group consisting of SEQ ID NO 1 and the NMB open reading frames.
- 8. Nucleic acid comprising a nucleotide sequence having greater than 50% sequence identity to a nucleotide sequence selected from the group consisting of SEQ ID NO 1 and the NMB open reading frames.

- 9. Nucleic acid comprising a fragment of a nucleotide sequence selected from the group consisting of SEQ ID NO 1 and the NMB open reading frames.
- 10. Nucleic acid according to claim 9, wherein the fragment is unique to the genome of N. meningitidis.
 - 11. Nucleic acid complementary to the nucleic acid of any one of claims 7-10.
- 12. A protein comprising an amino acid sequence encoded within one or more of the N. meningitidis nucleotide sequences selected from the group consisting of SEQ ID NO 1 and the NMB open reading frames.
- 13. A protein comprising an amino acid sequences having greater than 50% sequence identity to an amino acid sequence encoded within one or more of the N. meningitidis nucleotide sequences selected from the group consisting of SEQ ID NO 1 and the NMB open reading frames.
- 14. A protein comprising a fragment of an amino acid sequence encoded within one or more of the *N. meningitidis* nucleotide sequences selected from the group consisting of SEQ ID NO 1 and the NMB open reading frames.
 - 15. Nucleic acid encoding a protein according to any one of claims 6-8.
- 16. A computer, a computer memory, a computer storage medium or a computer database containing the nucleotide sequence of a nucleic acid according to any one of claims 7-11.
- 17. A computer, a computer memory, a computer storage medium or a computer database containing one or more of the *N. meningitidis* nucleotide sequences selected from the group consisting of SEQ ID NO 1 and the NMB open reading frames.

- 18. A polyclonal or monoclonal antibody which binds to a protein according to any one of claims 12-14 or 6.
- 19. A nucleic acid probe comprising nucleic acid according to any one of claims 5, 7-10, or 15.
- 20. An amplification primer comprising nucleic acid according to any one of claims 5, 7-10, or 15.
- 21. A composition comprising (a) nucleic acid according to any one of claims 5, 7-10, or 15; (b) protein according to any one of claims 12-14; and/or (c) an antibody according to claim 18.
- 22. The use of a composition according to claim 21 as a medicament or as a diagnostic reagent.
- 23. The use of a composition according to claim 21 in the manufacture of (a) a medicament for treating or preventing infection due to Neisserial bacteria and/or (b) a diagnostic reagent for detecting the presence of Neisserial bacteria or of antibodies raised against Neisserial bacteria.
- 24. A method of treating a patient, comprising administering to the patient a therapeutically effective amount of a composition according to claim 21.

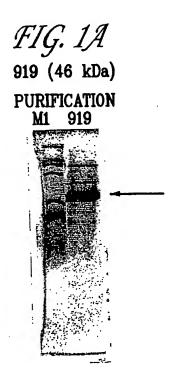
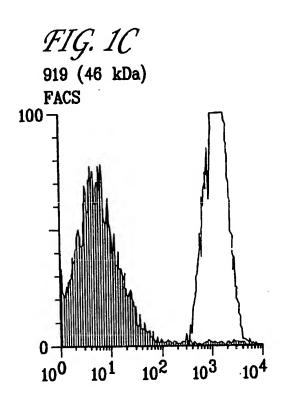


FIG. 1B
919 (46 kDa)
WESTERN BLOT
OMV TP PP



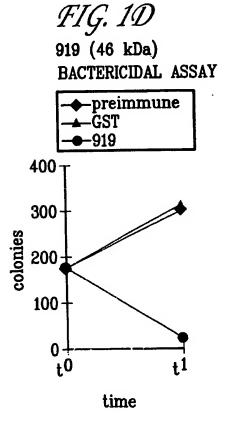


FIG. 1E
919 (46 kDa)
ELISA assay: positive

FIG. 2A
279 (10.5 kDa)
PURIFICATION
M1 279

FIG. 2B
279 (10.5 kDa)
WESTERN BLOT
TP OMV

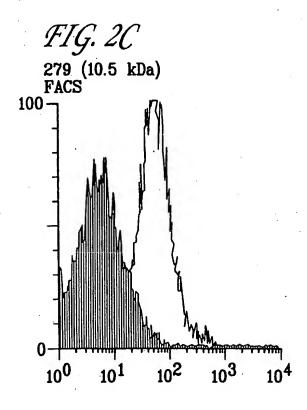
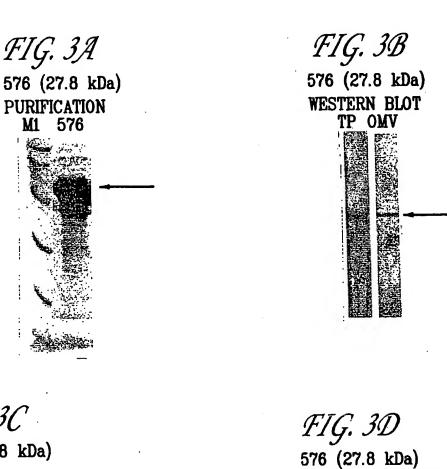
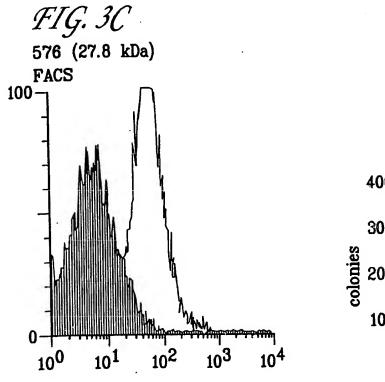
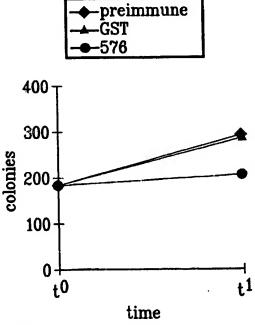


FIG. 2E
279 (10.5 kDa)
ELISA assay: positive







BACTERICIDAL ASSAY

FIG. 3E.
576 (27.8 kDa)

ELISA assay: positive

FIG. 4A
519 (33 kDa)
PURIFICATION
M1 519



FIG. 4B
519 (33 kDa)
WESTERN BLOT
TP OMV



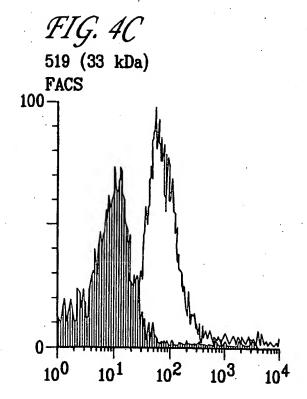
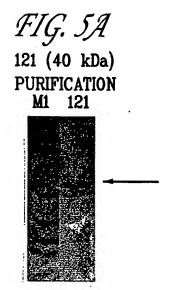
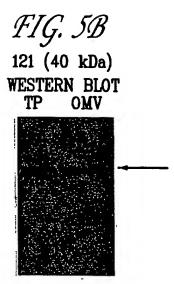
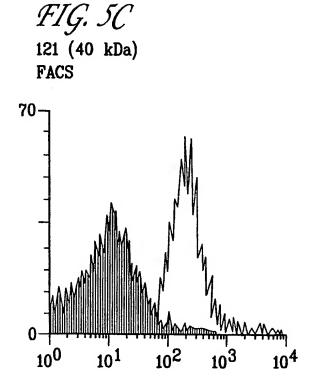


FIG. 4E
519 (33 kDa)
ELISA assay: positive

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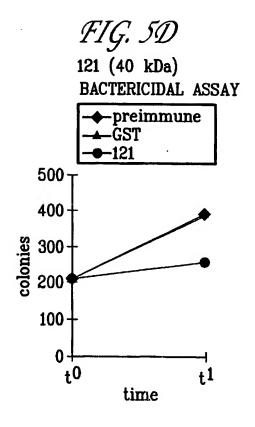
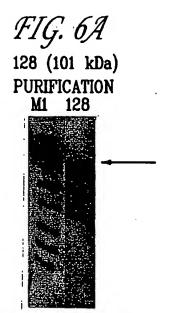
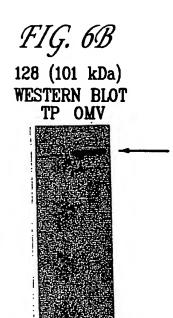
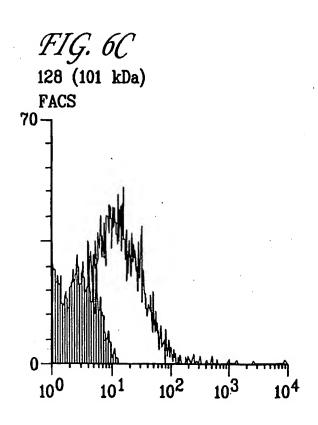


FIG. SE
121 (40 kDa)
ELISA assay: positive







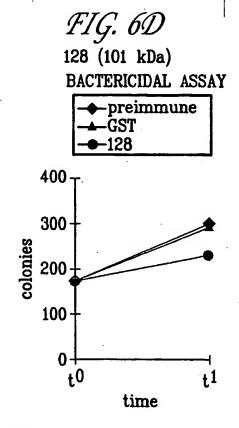


FIG. 6E
128 (101 kDa)
ELISA assay: positive

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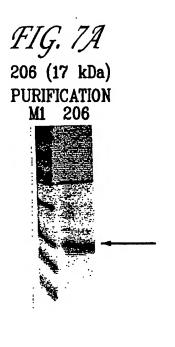
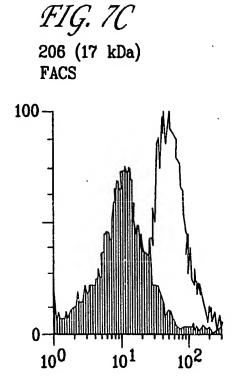


FIG. 7B
206 (17 kDa)
WESTERN BLOT
TP OMV



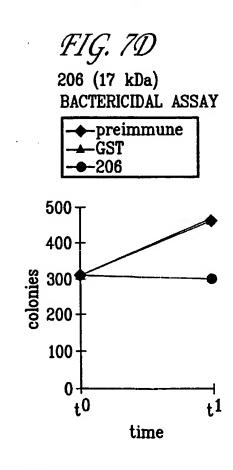


FIG. 7E
206 (17 kDa)
ELISA assay: positive

FIG. 8A

287 (78 kDa)

PURIFICATION

M1 287

FIG. 8B 287 (78 kDa) FACS

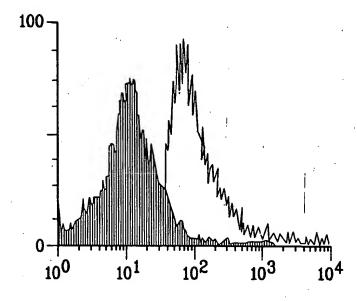
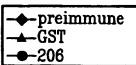


FIG. 8C 287 (78 kDa) BACTERICIDAL ASSAY



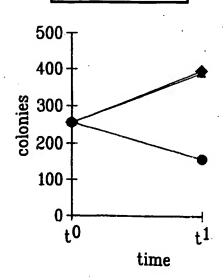


FIG. 8D

287 (78 kDa)

ELISA assay: positive

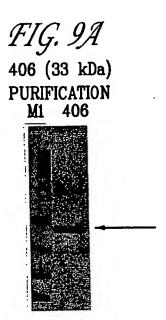
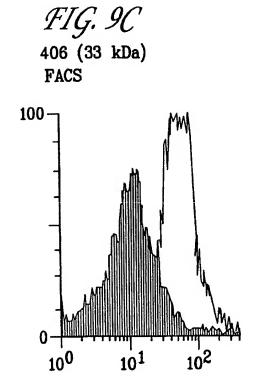


FIG. 9B
406 (33 kDa)
WESTERN BLOT
TP OMV



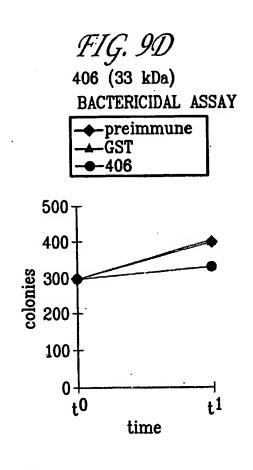


FIG. 9E
406 (33 kDa)
ELISA assay: positive

919
Hydrophilicity Plot, Antigenic Index and AMPHI Regions

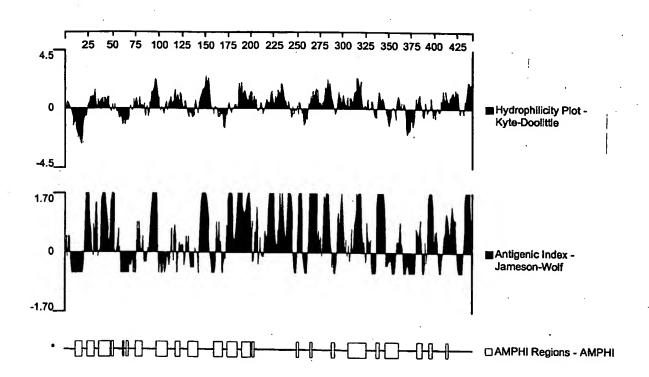


Fig. 10

WO 00/66791 PCT/US00/05928

279
Hydrophilicity Plot, Antigenic Index and AMPHI Regions

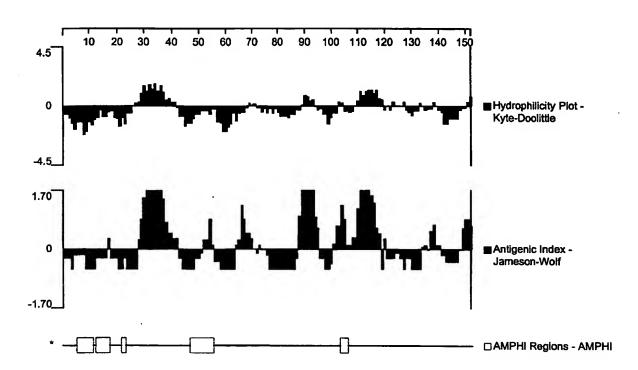


Fig. 11

576-1 Hydrophilicity Plot, Antigenic Index and AMPHI Regions

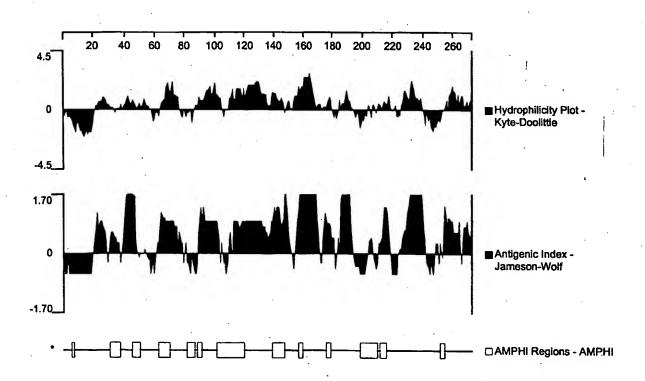


Fig. 12

519-1 Hydrophilicity Plot, Antigenic Index and AMPHI Regions

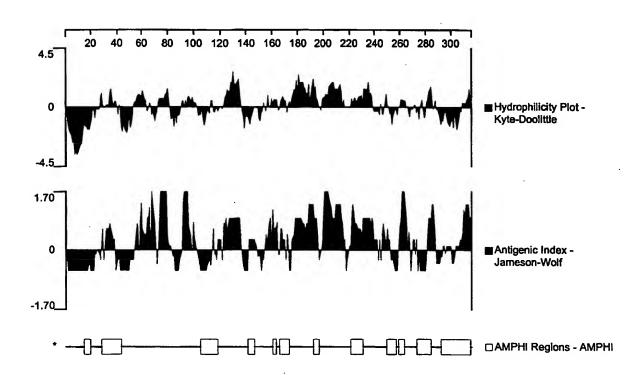


Fig. 13

121-1 Hydrophilicity Plot, Antigenic Index and AMPHI Regions

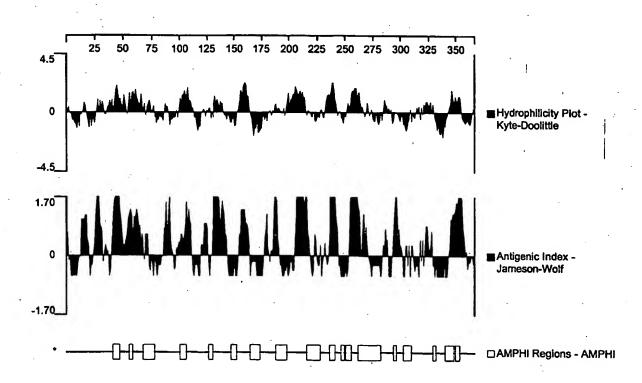


Fig. 14

128-1 Hydrophilicity Plot, Antigenic Index and AMPHI Regions

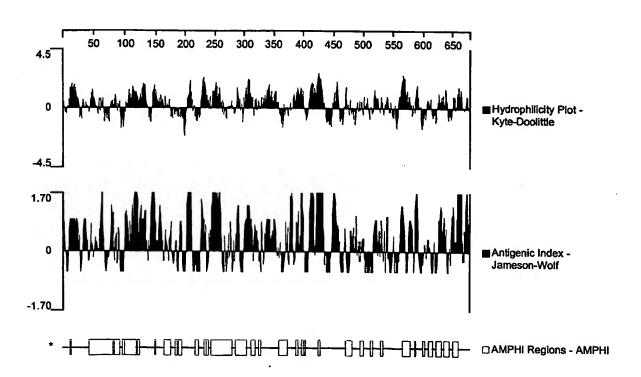


Fig. 15

206
Hydrophilicity Plot, Antigenic Index and AMPHI Regions

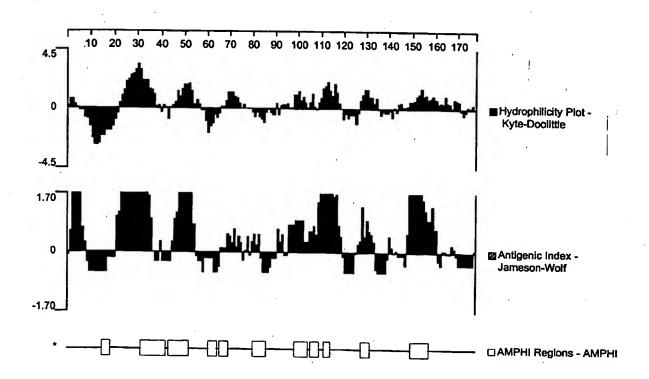


Fig. 16

287 **Hydrophilicity Plot, Antigenic Index and AMPHI Regions**

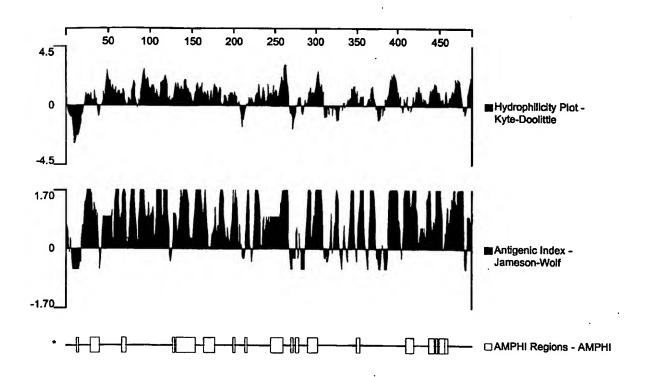


Fig. 17

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406
Hydrophilicity Plot, Antigenic Index and AMPHI Regions

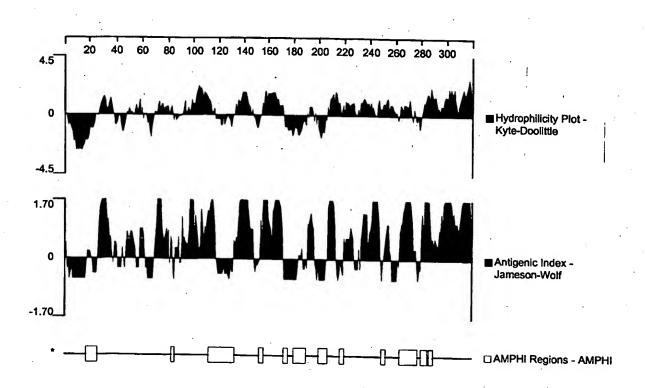


Fig. 18

Appendix A

-1-

APPENDIX A

The following DNA sequence was identified in N. meningitidis B <SEQ ID NO. 1>:

TAAACCTTATCCACATCCAAACGCATAACCGTAACCCATTCACCGTTATGGAAATGTCGC CCGACAACCACCCAGCCGAATGATTCATAAAATATTTGCACATCAGGCGTATAAAGATAC AAGAACTTTATCCCCAGCGAACGCGCTGCGCCTATGCAGTGGGCGACCAGCCTCCTGCCA GGAAAACTTTCCATATCATGCCGCTTGACCGCAGCCGAACCCAACAGGATTCCGGAATCA TCCACAGCCGCAAATGCCAGCGGCAGTTCGTCATCCTTCAAACACCTGCCGTAATAGGCA TGAATCTTATCCACAGAAGACCACGGTTCAAATCCGTGCCACTCCTCAAACAACGCCTGA ACCAACCTGCCGATATGCCCGGCTTTCAGCCGTGTAATGAAAACAGTATTGTCCACAAAG AGGGAATTCATCGGTCAATTCCCCGACGCCTTCGTTCCCCCTGCGCCGTAAACCGCATTC CAAGCATGGTCCAAACGCACTCCGATTTGCCTCAAATCTTCAGCCTGCCGGGCTTTTTGC GCCATTGCTGCAGGAATTTCCGCTTCCAAACGGGCGATGTCTGCCTGAGCCGTCTGCAAA CGCCGGCGCGCATCTTCCAAATCCGACTGCATCCCGATGATTTTTCCGTCCAGATTGTTT TGCTTTTGCAATAAGGCGCGGTAACCGGATTGGATGCTGAGCAGATTGTCTTCAGCATCC CCTGCCCATACGCTTGTAGAAAAAACAACCATCAGAAAATAAAATATTTTTTCATTTTT **AACTTCCATTTAAATGCTGTCTGAAGCCGTATTCCGACATCAGACGCCATCGCCCACGCC** TGTGGATAACTTAAGCGCGGATGCGTTTCAACACTTCTTCTTTGCCGATTAATGCCAACA CAGCATCGACGCTGGGGGTTTTCGCCGTACCGCAGACGGCAAGGCGCAGGGGCATGCCGA 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TCATCAGAATTTGAAGGCAAGGCACGCCTCGCGCGCCACCGCCTGATTAAAGACGGACTC AAAGCCCAACTGGAAAGTAACGAACTGCACGCACTTTCCATTTCGGTTGCCGCCACTCCG GCGGAATGGGCAGCCAAAGCACAATAATCGCCACACAAAAATGCCGTCTGAAACCATTTC GTTTCAGACGGCATTTTTTTTATATCAAACCGCTTACGCGCCGCGTTTTTCCAAAGCGGC TACGGCAGGCAGCTCTTTGCCTTCCAAGAACTCAAGGAACGCGCCGCCGCCGGTGGAGAT GTAGCCGATTTGTTCGGTAACGCCGAATTTGGCAATCGCCGCCAGCGTGTCGCCGCCGCC CGCAATCGAGAACGCTTTGCTTTGGGCAATGCCTTCGGCAAGGGCTTTCGTACCGCCTGC GAATTGGTCAAACTCGAACACGCCGACCGGCCCGTTCCAAACGACCGTACCGGCGGCTTT AAGCAAATCGGCAAGCGCGGCAGCGGATTTCGGACCGATGTCCAAAATCATCTCGTCTTC GGCAACGTCGGCAATGTCTTTCACCACAGCTTCCGCATCGGCGGCAATGTCTTTCACCAC ACCGCCTTTTGCCGCCATTTTCGCCATAATTTTTTTGGATTCTTCCACCAAATCGTGTTC CGCCAAAGATTTGCCGATGGCTTTGCCTTCCGCCAACAGGAAGGTGTTTGCGATACCGCC GCCGACGATGAGTTGGTCGACTTTGTCCGCCAGCGATTCGAGGATGGTCAGCTTGGTGGA CACTTTGCTGCCGGCAACGATGGCAACCATCGGGCGCGCGGGGCTGTTTCAAGGCTTTGCC CAAAGCGTCGAGTTCGCCCGCCATCAATACGCCGGCGCGGCGAGGCAACGGGCGCGCGTTGGGC GACGGCTTCGGTCGAGGCTTGGGCGCGGTGGGCGGTTCCGAACGCGTCATTGACGAACAC GTCGCACAAAGAAGCGTAGGCTTTACCCAGTTCCAAATCGTTTTTCTTCTCGCCTTTGTT CCAGTCGTTCAATACTTTCACGTCTTTGCCCAACAGGCTGCCCAAGTGCGCGCAACGGG GGCGACATCGTCTTCGGGGTGGAACTCGCCTTCGGTCGGGCGGCCGAGATGGGTCATCAC GGTGTCGTCGCTGATTTTGCCGTCTTTGAACGGTACGTTCATATCGGCGCGGATGAGGAC GGTTTTGCCCTGCACGTTTTGTTCGGTCAGTTTTAAAAATGCCATAATCAGTCCTTTTCA ATCAGTGTTTGCGATACGGAAACAATTGATGCCGTCTGAAGGCTTCAGACGGCATCGCAA TTTTCATAACCGCGATCCAAGTGGTAAATCTGTTCGACCACGGTTTCGCCTCGCGCCCCC AAACCGGCGATAACGAGGCTGGCGGACGCACGCAAATCCGTCGCCTTGACGACTGCGCCG GAAAGCTGTTCCACACCCTGCACAAATGCCGTATTGCCCTCGGTTGTGATGTTCGCCCCC ATCCGGTTCAACTCGGGGACGTGCATAAAGCGGTTTTCAAAAATCGTTTCCACCACGCGG CAGCTTCCCTCCGCCACGGCATTCAATGCCATAAACTGCGCCTGCATATCCGTGGGGAAG CCGGGGTGGACGACCGTGCGGATGTCCACCGCCTTCGGACGCTGCCGCATATCGATGGCG ATCCAATCGTCGCCCGCCTCAATCACCGCACCTGCCTCAACCAGTTTGTCCAACACCACT TCCATCGTTTTCGGCGCGCATTCCGCAAAACCACCCTGCCACCGGTTATCGCCACCGCG CACAGGAACGTCCCCGCCTCGATCCGGTCGGGGACGACGCTGTGTTCGCAGCCTTGCAGC TCGTCCACCCCTTCCACAATCATTGTGGACGTACCGATGCCGCTGATTTTCGCGCCCCATT TTGACCAGGCATTCCGCCAAATCGACCACTTCAGGCTCAATGGCGCAGTTTTCCAAAACC GTCGTACCTTCCGCCAGCGTCGCCGCCATCAGEAGGTTTTCCGTGCCGCCGACGGTAACG ACATCCATCGCCACGCGCGTACCTTTGAGTTTGCCTTTGGCTTTGACGTAACCGTGTTCG

ATAACAATCTCAGCACCCATCGCTTCCAAGCCTTTCAAATGCTGATCGACGGGGCGCGAA CCGATGGCGCAGCCCGGCAGGCTGACTTGCGCCTCGCCGAAACGCGCCAGCGTCGGG CCCAGCACCAAAATCGAAGCGCGCATCGTTCGGACCAACTCGTAAGGGGCGCAGGTATTG TTTACCGTACCGCCGTTGATTTCAAATTCGCTGATATTGTCGGTCAGGACGCGCGCCCC ATCCCCTGAAGCAGCTTTTGCGTGGTTTTCACATCTGCCAGCATAGGGACGTTTTTCAGG CGCAACGTACCCGATGTCAGCAAACCCGCGCACATCAGCGGCAATGCCGCGTTTTTCGCG CCCGAGACCGTTATTTCCCCGTTGAGCGGGCCGTTTGCGGAGATTTTCAGTTTGTCCACG TTTGTTCTTTCCTGGTGGTACTTGTATAGTGAATTAACAAAAATCGGGACAAGGCGGCG **AAGCCGCAGACAGTACAGATAGTACAGAACCGATTCACTTGGTGCTTCAGCACCTTAGAG AATCGTTCTCTTTGAGCTAAGGCGAGGCAATACCGTACTGGTTTTTGTTAATCCACTATA ATATTTCAATTCTCGGGACAACGCATAAAGCATCACCCGATGAAGGTTGCAGAGGCGGAA** TTATAAGGGATTTTCGGGAAAAATACGGAAGCCGCACCAAAGAATTTGACGAAATGCCGC **GCTTTCCGAACAAGGATTGTCGGAAGACAAAAAAGCCGAGTTTTGAAAACTCAGCTTTTT** TGCTTTATCTGGTGGGTCGTGAGCGATTCGAACGCTCGACCAACGGATTAAAAGTCCGCT GCTCTACCGGCTGAGCTAACGACCCGATAAGTTTGGAATTTTACAGACCGGCCGAAACCC TGTCAAGCCCCTTGCGGGCGGACGGGCGTTATATCCGCTTATCGGCCTGTTTTTTTCGTA GAAATCGGGATATGCACCCAATGCATTACCAGCATTTTCACACCGATAAAACCCAACACG **AATGCCAATCCATATTTCAGGAAGATAAAGCGTTCCGCCACATCCGCCAGCAGGAAATAC ATCGCCCGCAAGCCCAGAATTGCGAAAATATTGGAAGTCAGCACGATAAACGGATCGGTG** GTAACGGCAAAGACGGCGGGATGCTGTCCACGGCAAACACGACATCGCTCAATTCAATC ATGACCAGCACCAAAAACAGCGGCGTGGCGATTTTTTTGCCGTTTTCGACGGTAAAAAAT TTCTCGCCGTGAAATTCCGTGCCGACCGGAACGACTTTCTTGACGGTATTCAGCAGCCTG CTGTTTGCCAAATCCTCTTTCTCATCGCCTTCGGGCTTCATCATGTGTATACCAGTATAG AGCAGGAACGCGCCAAACAGATACAGAATCCACTCAAACTGCTGAACCAGTGCCGCGCG **ACGAAAATCATGACGGTGCGCAATACCAATGCGCCCAATACGCCGTACAGCAGCACGCGG** TGCTGAAACTGTGGTGCGACTTTGAAGTAGCCGAATATCATCAGGAACACGAAAATATTG TCGACTGCCAACGATTTTTCCAAAATGTAGCCGGTAAAGAATTCCAATACTTTTTCTTTT AGGCAGGATACGGCAACCCACAAGCCGCTCCATGCCAAGGCTTCTTTGACGCCGACTTTA TGGCTGCCGTTTTTCTTCAGCGAAAACATATCCAAGGCAATCATGACCAGCACTGCCGCA AAAAAAACGCCGTAAAACAACGGCGACCCGATGCCGGGATATTCTGTCATGGTTCAATCT CCTGATTTGAAATGTAATTGTGTTACCAGCTGATATAAAACATCGCTTTTGCCAAAAAGA GTGTGGAACGCCCATTTTGACGACGCCGATGGCGAAGTGCGCCAATACGCTGAACGCCA **ACAGGATTTTCAGCGTCAGCATCGTACCGAAGGAAGTGGCAAACGGTTCGCCCAATATAG** AAAGATAGCGGTTTGCCGCCATCACGATGCCGCTGGCGAACAGCAGTCCGACCACAAACG GCATCACCCTGACGGCGCGGTAAGACATTGCCTTTTCCACTTCGCGCCGCGCCCTCGCGCG ACACCCGTCCCGTATGCAGGACGGACAAAACCAGCACTTCAAAAAAACACGCCGCCGACAA AGGCAATAGCGCAATACAGATGAACGATGTGCGCGACGGCATAAATACTCATACGATGCT CCAAACGGAAAACTCGGATACGGATTGTATCACTATCGCCCCCGATATCCGCATACCGCT TCCCGCACCGCCTCGGCGATTCTCGCGCCCGCTCCGCGATGTTGTGCGATAAAGCCGTCC ACGCGCGCCTGCATCTGCATCCCCCCCCCCCCTCGGACGATAAGGTTTTTTCAACGGCTTCC CGCCACGCATCCGCCGATTCGACTTGAACCGCCGCACCCGATGCCAAGGCGTGTCGGCAG GCTTCGGAAAAATTGTAGGTTGAAAAGCCGAATATCGTCGGAACGCCGCAGGAAAGCGGT TCGATGATGTTCTGACAACCCGAATCGACCAGACTGCCGCCGACAAAAGCGACATCGGCG CACAGGTAATACGCATACAGCTCGCCCATACTGTCGCCTATCCACACCTGCGTATCAGGT TCGACCGGCAAACCGTCGCTGCGCCGCTGAACCTTAAACCCGAAGCGTTTTGCCGTTTCA ANTACCGTCTGAAAATGCTCGGGATGGCGCGCACGACGACCAGCAGCGCATCGCCGCGA TATTGTTGCCACGCCGCCAGCAGTTTTTCCGCCTCGTCTTCACCCCGATAAACGCGCGTG CTGCCGCACACGGCAACCGGCCGGCCTCCGATGCGTTTTTCAAACTGCCCCGCCAGCGTT TTCATCTGTTCCGACGGTATGATGTCGTATTTGGTATTGCCGCACACCTGCACGGATGCC GAAGCGGCGGCAGGACCGATCAGGCGGCGGACTTTCAGATAACCGTTCAACGATTTTTCC TTGGGCCAGATTTCGGTTTCCATCAAAATGCCGAACATCGGGCGGTGTTCGCGCAAAAAC TGCCGTACCCACGTTTTTTTGTCATACGGAAGATAGCGGCATTGCGCATCGGGAAACAGA ACTTGCGCGGTTTCCCGCCCCGTCGGGGTCATCTGCGTCATCAGCAGCGGCGCATCGGGA GCGTGTATCCAAACCGCGCGGTAACGGGATTCGGATACGCCTTGCCGAAACGCTCGTCC CGATGCGCCCGATATGCCGGGGCACTTCCGGAGCGTTTGTCCAAATAACGCCGTATCCAT ATCGGCGCAAGCAGCCACAATACATCATAAAGCCATTGGAACATCTTTCTATTTCCTGCA AAACAAATGCCGTCTGAACGGTTCAGACGGCATTTCGGCAACGGAATCAAATATCGTAGG TTGTCGAAGCGGTATCTCCGCCCTTGCCCGTCCAGTTGGTATGGAAAAACTCACCGCGCG GTTTGTCGGTGCGCTCGTAAGTGTGCGCGCCGAAGTAGTCGCGCTGTGCCTGCAAGAGGT TGGCAGGCAGACGTTCGGTCGTGTAGCCGTCCAAGAACGTAATCGCCGAAGCCATGCAGG TTTCCAAAATATTTTTGAAATACGGATCCGCACCCAAGAACACCAAATCGGGATTGTTTT CATACGCGTCGCGGATATTGCTTAAGAATGCGCTGCGAATGATGCACCCCTCGCGCCACA GCAGCGCAGTGTTGCCGTAGTCCAAATCCCAGCCGTAGCTTTCGCCCGCTTCGCGGATCA GCATAAAGCCTTGTGCGTAGGAAATGATTTTAGATGCAAGCAGGGCCTGTCTCAACGCCT CGACCCATTCTTGTTTGCCGCCTTCGACGGGCGTAACGGTTCGGGCGAACAGTTTGCCGG TCTGCACGCGCTGTTCTTTGAACGACGAAACGCAGCGGGCGAATACGGCTTCGGAAATCA ·· GCGTCAGCGGAATAGCCAAATCCAAAGCATTGATGCCCGTCCATTTGCCTGTACCTTTTT GCCCTGCCGTATCGAGGATTTTCTCGACCAGCGGTTCGCCGCCTTCGTCCTTATAGCCCA

AAATTGCCGCTGTGATTTCAATCAGATAAGAATCCAGCTCGGTTTTGTTCCACTCGGCAA ACACGCGGTACATTTCGTCGTAAGACAGCCCCAAGCCGTCTTTCATGAACTGGTACGCTT CGCAAATCAACTGCATATCGCCATATTCGATGCCGTTATGCACCATTTTGACAAAATGCC CCGCACCGTCTTTGCCGACCCAGTCGCAACACGGTTCGCCCTGCGACGTTTTGGCGGCAA CTTTTTCAGCAAGGTAATGTGTCCGCCGTGTCGTGTCGGGGTAATTGGCATTGCCGCCGT CGATAAGGATGTCGCCTTCTTCCAACAGCGGAAGCAGTTGTTCGATAAATTCGTCAACCA CCGAACCGGCACGAACCATCATAATTTTTCGCGGTTTTTCCAGCTTATCGACCAAAT CTTGCAAAGAATACGCGCCGATAATATTAGTTCCTTTTGCCGCGCCGTTTAAAAATTCGT CCACCTTGGCAGTCGTGCGGTTGTAGGCAACCACCTTAAATCCGCAATCGTTCATATTCA AAATCAGGTTTTGCCCCATAACCGCCAAACCGATTACACCAATATCGCCGTTCATTGCAG GAAGCTCCGTTATAGATTTAATTTATCGACCGCAACTCTACCCGATTTACACTTGTTTAA ${\tt CAATCCTTAACTTTTTAATTTTTTGAAAAGATGCCTTTACGCTTTGCTGTACCGTTTTGC}$ TGAAGGGTTATAAATAAAATATAAAATTTAAATAAAACGATGATTATATTGATAGGA GAAATTTTCTGTGGGTAACTTTTTTTTTTTTAAAAATCATCAGGATTTCTTTTTTTAG GGTGTCGGTAAGGCGGATTCCCTTTTGTGCATACCTGTGGATTGTTTTTCATGAAGAATA GTTTTTGTGGACAGTTTGCTTGTTGTGCAAATGGCATCCTACTTTTCTTTACCGAATGGC TGCCGATGTCTTTAAGAACCGGAATACTGTGGAGGTTTGAGAGGAAAGTGTGTTTGGAAC TTGTGGAAATGGTCAGGTGTCGGCACGAATGTCTTATTTCTGCATATCGGCAGAGTGCGC ATCCGAATTTGTGTATAAGTGGTGGAAAAAATGAGATTTGCGGGTAAATCTCACAATATT TCAGTCAGATAACTTTGGATTGCTTGTGTATAAGTAAACTTTCGGATGGGGATACGTAAC GGAAACCTGTACCGCGTCATTCCCACGAACCTACATTCCGTCATTCCCACGAAAGTGGGA ATGATGAAATTTTGAGTTTTAGGAATTTATCGGGAGCAACAGAAACCGCTCCGCCGTCAT TCCCGCGCAGGCGGGAATCTAGAACGTAAAATCTAAAGAAACCGTGTTGTAACGGCAGAC CGATGCCGTCATTCCCGCGCAGGCGGGAATCTAGACCATTGGACAGCGGCAATATTCAAA GATTATCTGAAAGTCCGAGATTCTGGATTCCCACTTTCGTGGGAATGACGGGATTTGAGA TTGCGGCATTTATCGGAAAAAACAGAAACCGCTCCGCCGTCATTCCCGCGCAGGCGGGAA TCCAGACCTTAGAACAACAGCAATATTCAAAGGTTATCTGAAAGTCCGAGATTCTGGATT CCCACTTTCGTGGGAATGACGGGATTTTAGGTTTCTGATTTTTGTTGTGG GAATGATGAAATTTTGAGTTTTAGGAATTTACCGGAAAAAACAGAAACCGCTCCGCCGTC ATTCCCGCGCAGGCGGAATCCAGACCTTAGAATAACAGCAATATTCAAAGATTATCTGA AAGTCCGGGATTCTAGATTCCCACTTTCGTGGGAATGACGGCATCAGTCTGCCGTTTACA GCACGGTTTCTTTAGATTTTACGTTCTAGATTCCCGCCTGCGCGGGAATGACGAATCCAT CCATACGAAAACCTGCACCACGTCATTCCCACGAACCTACATCCCGTCATTCCCACAAAA ACAGAAACCTCAAATCCCGTCATTCCCGCGCAGGCGGGAATCTAGACTTGTCGGTGCGGA CGCTTATCGGATAAAACGGTTTCTTGAGATTCCGCGTCCTGGATTCCCACTTTCGCGGGA ATGACGAATTTTAGGTTTCTGTTTTTGGTTTTTTGTCCTTGTAGGAATGATGAAAATTTAA GTTTTAGGAATTTACCGGAAAAAATAGAAAGCGTTATCCACAAGTTCTGATGTTCAGCTC GTGAAATGCGTCGGGCAAATCATCGCTGTCGGCAAATTCCACCCGGTCGTAAGCCGTTTC GTCTGCCAAAACCGCGCGCAAGAGTGCGTTGTTGATGGCGTGTCCCGATTTGTAGCCTTC AAATGCGCCGACAATCGGATGTCCGACGATATACAAATCACCGATGGCATCAAGGATTTT GTGGCGCACAAACTCATCGGGATAGCGCAAGCCTTCAGGATTCAGGACATCCGTGTCGTC AATCACGATGGCGTTGTTCAAATTGCCGCCCAAACCCAGATTGTGGGCGCGCATCATTTC CACTTCGTGCATAAAGCCGAAAGTGCGCGCGCGCGCGCGATTTCGTCGATGTAGGATTTGCC GGCGAAATCGATTTCAAAAGTGGGCGAGCTGCGGTTGAAAACCGGATGGTCGAATTCGAT GGTCAGCGTTACCTTAAAGCCGTCATACGGCGTAAAGCGCACCCATTTGCCCGCTTCTTT GATTTCGACAGGCTTGAGGATTTTCAAAAAACGCTTTTGCGCCCTTTTGATCGACCACGCC CGCATCTTGCAAAAGGTAAATAAACGGCAGGCTGGAGCCGTCCATAATCGGGATTTCGGG CGCGTTCAGCTCAATCAGCGCATTGTCGATGCCGTAGGCGGGACAGCGCGGACATAATGTG TTCGATCGTGCCGACGCGCACGCCTTTGTCGGTAACGATGGTGGAGGAAAGGCGGGTATC GTTGATCAAATAAGGGGTCAGCTTGATTTGTTCGCCCATCTCGCCGTCCAAATCGGTACG GCGGAAGGAAATCCCGCTGTTTTCAGGCGCGGGGTGCAGGGTCAGCGCGACGCGTTCGCC CGAATGCAGCCCGACGCCGGTAACGCTGATGGATTTCGCCAAAGTTCTTTGCAGCATAAA CCGCTTCCTTATCAAGGGGGTAAGTTTTGGAATAATACGATAAAACCGGAAAAACAGGCT ATGTTTTCCATAGTATTTGCCAATGTATCCGTTTTCAATACGTAAGCCGCATAAAAATG AAAAAATGCCGTCCGAAAACCTTTCGGACGGCATTTTCGCGTAAACCGTCATTCCCACAA GGACAAAAAACCAAAACCAAAAACCAAAAACAGCAACCTAAAATTCGTCATTCCCGCGCA GGCGGGAATTTGGAATTTCAATGCCTCAAGAATTTATCGGAAAAAACCCAAAACCCTTCCG CCGTCATTCCCACGAAAGTGGGAATCTAGAAATGAAAAGCAGCAGCATTTATCGGAAAT GACCGAAACTGAACGGACTGGATTCCCGCTTTTGCGGGAATGACGGCGACAGGGTTGCTG TTATAGTGGATGAACAAAAACCAGTACGGCGTTGCCTCGGCTTAGCTCAAAGAGAACGAT TCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCT TCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATCTAGCCGAATTACTTTATTTTTT GATACGTAACCGGCCGGTTGCCGTCATTCCCGCGCAGGCGGGAATCTAGACATTCAATGC TAAGGCAATTTATCGGGAATGACTGAAAACTCAAAAAGCTGGATTCCCACTTTCGTGGGAA TGACGCGGTGCAGGTTTCCGTACGGATAGCTTCGTCATTCCCGAGTAGGCGGGAATCTAG TCCGCTTGTTCGGTAAATGAGAGGCGGATTGCGCGCCTGTCAGATAAACCACGTGTTTA AACGGGCGCAATGAGGTACGCGCAGAGCCTTGAAGCGCAATCGATATATTATTTTCAGC CAAAACGGACGCCCCGCTTGCCTTGCAAACCTTTAAAAAGGAAGCCACCCGGATTAATC CTTAGCTGGCATCACTTGCGTCGCGGCAGGTTGACGGCAGGTGCTTGGTGTCAATCTTCT TAGCGTTGGCGGCGGCGGCGGGGGTAACGTCGTCGTTGGCGGCTTTGGCTTTGTCGCGCG TAACCGGCTGTCCGCAGAACCATTTTACCGAACCGTTTTGACGCTTGGCCCACAGGGAGA

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GGTTTACGGGCGGTATTCGGGCTTCATACCGTTGGGTAGGAGCTGCCAGACATATCCCGT GGTTTTCTGTTTGCCGGCAAGTTCGCCGGCTTCGTCGCCGTATCCCCAAAAATAATCCAC GCGCACCGCGCTTTAATCGCGCTGCCGGTATCCTGCGCCATAATCAGGCGGTTGAGGGC TTTGCGGGTAACCGGATGGGCGGTGGCGACAAATAAGGGCGCACCCAAGGTAATGTAGTG CCGGTCGACTGCGCCGGCATATTCCCCCATCAGCGCGTGCCCAGTGCGCCGACAGGGCC GTCATTGCTGCTTCCGGCAAGCTCGCGGAAAAAGATATAGCTGGGGTTTTGACCCAAAAC TTCGGCGAGGCGTTGCGGATTTTGCCGCATATAAGACTTAATGCCCTGCATGGAGGTTTG TCCGAGTTTGAGGTAGCCCTTATCCGCCATATAGCGTCCGATGGAAACGTAGGGATGTTC GTTTTTGTCGGCATAGCCGATGCGGATGTATTTGCCGGACGGGGTTTTCAGACGGCCCGA GCCTTGGATGTGCATAAAAAAAGTTCGACAGGGTCTTCGGCGTAACCGAGTATCGGGGC TTTGCCGTCAAGCGCGCCGCCGTTGATTTGGTTGCGCGTGTGGTAGGGGAAGCGGCT TCCTTCAAACCTGCCTTTGATTGCTGTTGTGCGCGCGGTGATGGGGAATCGGGAGAGGTC GGCGGTATGTGCCGCCGGTATTGTCGATTGTGCCGCTGTTTTTTCCCGTCTGCCTGAT GGGAATACCGTAAATCGGGAAGCGGGCTTGTGCCGTCCGCCTTGTCGTCGCCCTTCAGCAC CGGTTCGTAATAGCCGGTAACCGTACCGGCAAGGCTTCCGTTGCCTGCAACCTGCCACGG CGTGAAATAGCGTTCAAAAAACTGTTTTGCCTGAAAGGAATGGACGGGGGTTTGAAAGGC TTGGGCGCACACATCCTGCCAGCCTTGGCGGTTTTTCAAATTGGCGCAGCCGAGGCGGAA GGATTGCAGGCTTTTGGCGAAATCCTGCGCCGCCCAGTGGGGCAGGGACAGGTGCGGTAC AACGGTATAGACGGCCCGCCGCCGCCGACCGTCGTTCCGGCGGGGTCGGGGATGCCGAC CGGCCGGTCCGGGCCGTTGATGACGGATGTGTCGGGTTGCGGAAAGGTTTGGATGCTCTT GCTTTGGCAGGCGGCGAGGATGGCGGCGCGCGCGCGCGGAATAGGTA CGGCAGCCGTGGAGAGGGGATTTTAACACAGGGCGCAGCTGCAGCCTGCGGAACTTTCCG CCGCGCGCTACTGCAGATAAAAATAACTTGCATTTGTATTTACAAGCAATGAAAATATTC CGATAATATTATTCATCATCCTTGTTCGTTCGCGTTTATGCTGGTCGCTTTTTTAATT ATGTTGCGCGAGGGTATTGAAGCCGCGCTCATTGTCGGCATCGTTGCCGGTTTTCTGAAA CAGTCCGGACATTCCAAACTGATGCCTAAGGTCTGGTTCGGGGTCGTCCTTGCTTCTTTG ATGTGTTTGGGGCTGGGGTACGGCATCCATTCGGCAACGGGCGAGATTCCCCAGAAGCAG CAGGAGTTCGTCGGCCATTATCGGTTTGGTTGCCGTTGCCATGCTGACTTATATGATT TTATGGATGAAAAAGGCGGCGCGTTCGATGAAGCGGCAGCTTCAGGATTCTGTGCAGGCG GCTTTGAACCGTGGCAGCGGTCAAGGATGGGCCTTGGTCGGTATGGCGTTTCTTGCCGTG GCGCGCGAAGGTCTGGAGAGTGTTTTTTTCCTGCTTGCCGTATTCAAACAGAGCCCGACG TGGCAGATGCCGGCCGCGCGGTAGCGGGGGTTTTGGCTGCCGCCGTGATTGGCGCGTTG ATTTATCAGGGCGGGATGCGCCTGAATCTGGCGAAGTTTTTCCGTTGGACGGGGGCGTTT ATTTGGAACGCGCTTCAGGACATTGTGTTCGACTCATCAAAATATTTGCACGAAGACAGT CCGTTGGGCGTGCTCGGCGGATTTTTCGGCTATACCGACCATCCGACGCAGGCGAG ACCTTGGTTTGGCTGCTGTACCTTATTCCCGTCATAACTTGGTTTTTGTGCGGCAGCAGC CCGTCTGAAACTTTAACCCGTAAAGAGGAGCTGAAATGAGAAAATTCAATTTGACCGCAT TGTCCGTGATGCTTGCCTTAGGTTTGACCGCGTGCCAGCCGCGGAGGCGGAGAAAGCTG CGCCGGCAGCGTCCGGTGAGGCGCAAACCGCCAACGAGGGCGGTTCGGTCAGTATCGCCG TCAACGACAATGCCTGCGAACCGATGGAACTGACCGTGCCGAGCGGACAGGTTGTTCA ATATTAAAAACAACAGCGGCCGCAAGCTCGAATGGGAAATCCTGAAAGGCGTGATGGTGG TGGACGAGCGCGAAAACATCGCCCCCGGACTTTCCGATAAAATGACCGTCACCCTGTTGC CGGGCGAATACGAAATGACTTGCGGTCTTTTGACCAATCCGCGCGCAAGCTGGTGGTAA CCGACAGCGGCTTTAAAGACACCGCCAACGAAGCGGATTTGGAAAAACTGTCCCAACCGC TCGCCGACTATAAAGCCTACGTTCAAGGCGAGGTTAAAGAGCTGGTGGCGAAAACCAAAA CTTTTACCGAAGCCGTCAAAGCAGGCGACATTGAAAAGGCGAAATCCCTGTTTGCCGACA CCCGCGTCCATTACGAACGCATCGAACCGATTGCCGAGCTTTTCAGCGAACTCGACCCCG TCATCGATGCGCGTGAAGACGACTTCAAAGACGGCGCGAAAGATGCCGGATTTACCGGCT TTCACCGTATCGAATACGCCCTTTGGGTGGAAAAAGACGTGTCCGGCGTGAAGGAAATTG CAGCGAAACTGATGACCGATGTCGAAGCCCTGCAAAAAGAAATCGACGCATTGGCGTTTC CTCCGGGCAAGGTGGTCGGCGCGCGTCCGAACTGATTGAAGAAGTGGCGGGCAGTAAAA TCAGCGGCGAAGAAGACCGGTACAGCCACCGATTTGAGCGACTTCCAAGCCAATGTGG ACGGATCTAAAAAAATCGTCGATTTGTTCCGTCCGCTGATCGAGGCCAAAAACAAAGCCT TGTTGGAAAAAACCGATACCAACTTCAAACAGGTCAACGAAATTCTGGCGAAATACCGGA CTAAAGACGGTTTTGAAACCTACGACAAGCTGGGCGAAGCCGACCGCAAAGCGTTACAGG CCTCTATTAACGCGCTTGCCGAAGACCTTGCCCAACTTCGCGGCATACTCGGCTTGAAAT AAGCCGCAAGCGTTCAGACGGTATTTGGCGGCAGATACCGTCTGAAGTTTTATAGTGGAT TAACAAAAACCAGTACGGCATTGCCTCGCCTTGCCGTACTATTTATACTGTCTGC GGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATCCGCCATATATTGCAGGGC GGGATTTCAACCTGCCGCTATCGGTTAATGGAAAAACGGCGTGCAGGGATACCCATCCTG CTGCACGGATATTGAAGGAAACACCATGAGCAAAAAAACAACCCGCACAACCGACCAGGCG CACTCTTTTTAAAACCGCGATCGCAGCCGGAGCAGTCGGCGCAATCGGAGGTTATCTCGG CGGCAAAAAACAGGGCGAAACCGCCGAACGCACCGCCGAAAGCCAACACTCGCCCCAAGC CTATCCCTGCTACGGCGAACATCAGGCAGGCATCGTTACGCCGCAGCAGGCGTTTTCGAT TATGTGCGCCTTCGACGTAACCGCGCAAAGTGCCAAGCAGCTGGAAAACCTGTTCCGCAC GCTGACCGCCCGCATCGAGTTTCTCACCCAAGGCGGCGAATACCAAGACGGCGACGACAA ACTTCCGCCAGCCGGCAGCGGCATTTTGGGCAAAGCCTTCAACCCCGACGGGTTGACCGT TACCGTGGGGGTGGGCAGCAGCCTGTTTGACGGCCGGTTCGGACTCAAAGACAAAAAACC GATTCATTTGCAGGAAATGCGCGACTTCTCCAACGATAAGCTGCAAAAAAGCTGGTGCGA CGGCGATTTGAGCCTGCAAATCTGTGCCTTCACCCCCGAAACCTGCCAAGCCGCCCTGCG -CGACATCATCAAACACACGGTCCAAACCGCCGTTATCCGTTGGAGTATCGACGGGTGGCA GCCCAAATCCGAACCCGGCGCGCGTGGCGCGCGCGCACCTGTTGGGCTTCAGGGACGGCAC

GGGCAACCCCAAAGTTTCCGATCCCAAAACTGCCGACGAGGTTTTGTGGACGGGGGTGGC CGCCAACAGCCTCGACGAACCGGAGTGGGCGAAAAACGGCAGCTATCAGGCAGTCCGCCT TATCCGCCACTTTGTCGAGTTTTGGGACAGGACGCCGCTTCAAGAGCAAACCGACATTTT CGGCCGCGCAAATACAGCGGTGCGCCGATGGACGGCAAAAAAGAAGCCGACCAACCGGA TTTTGCCAAAGACCCCGAGGGTGATATCACGCCCAAAGACAGCCATATACGCCTGGCGAA TCCGCGCGATCCCGAATTCCTCAAAAACACCGCCTCTTCCGCCGCGCCTACAGCTATTC GCGCGGACTCGCCTCAAGCGGACAGCTTGATGTCGGGCTGGTGTTCGTCTGCTATCAGGC AAACCTTGCCGACGGATTCATCTTCGTGCAAAACCTCCTCAACGGCGAACCGCTGGAAGA ATACATCAGCCCCTTCGGCGGCGCTATTTCTTCGTCTTGCCCGGCGTGGAAAAAGGCGG CTTTTTGGGGCAAGGGCTGCTGGGCGTATAAATCCGCCATATAAAAACGCCGTCCGAAC CTTGCCAAACGGGTTCGGACGGCGTTTCTTGTTTTTTGGGCGGTCAGGCTTTTTTTGACGAA TTCGGATTTTAAATTCATCGCGCTGCCGTCGATTTTGCAGCCGATGTTGTGATCGCCTTC TTGCAGGCGTATGCCTTTGACTTTTGTGCCTTGTTTGATCACCATCGAGCTGCCTTTTAC CTTGAGGTCTTTGATGAGGATGACGGTATCGCCGTTTTGCAGCACTGCGCCGTTGGCATC GGGGCAGATGTATTGTCCGCCGTCTTCATAGGTGTATTCGGAGGCGCATTGCGGGCATGG TGAAACCGGCTTCAGACGGCATAGCTTTATTGTTTGTCTTTTTCAGGACGCACCCAGCCT TCGATGACGGTTTGGCGGGCGGGGGGGGGGGGGGGTTTGTTGTCTTCGACATTGCGGGTA ATCGTGCTGCCCGCGCCTGTGGTTACTTTGTTGCCGAGGGTAACGGGGGCGACTAGGACG CAGTTTGAACCGATGCGCACTTCGTCGCCGATGACGGTTTTGTGTTTGTGCACGCCGTCG TAGTTGGCAATAATCGTACCGGCGCCGAAGTTGGTTTTGCAGCCGACTTCGGCGTCGCCG ATGTAGGTGAGGTGGCTTTGGTGCCTTTGCCGATGGCGGCGTTTTTGATTTCGACG CCGATTCGGTTGTTTTCGCCGACTTCGCAGCTTTCGAGGTGGGAGAAGGGGGCGATTTTG CTGTTTGCGCCGATTTTGGCGTTTTTGATGACGCAGTTTGCGCCGATTTCGACGTTGTCG TTCAGACGGCCTCGTAAATCGAAACGTGCCGGATCGCGCAGGGTTACGCCTGCTTTGAGC AATTCTTGCGCCTGTTCGGTTTGGAAGATGCGTTCGAGTTCGGTGAGCTGGAGTTTGTTG GCAACGGCTTTGGCGATGAGGTCGGTCAGGTAGTATTCGCCTTGTGCATTGTTGCTGGAA AGGCTGTTCAGCCAGTTTTCGAGTTTGGCGTTGGGCAGGACGAGGATGCCGGTATTGATT TCTTTCACGGCTTTTTGGACGGCGTCGGCGTCTTTTTCTTCGACGATGGCGGTTACGCTG CCGTTGCTGTCGCGATGATACGCCCCAAGCCTGTCGGGTCGTTGGGAACGTCGGTCAAC AGCCCGACTTCGTTGCCTGCGGCTTCGAGCAGGGTTTCGAGGGTTTCAACGTCAATTAAA GGAACGTCGCCGTACAACACCAGCGTGCGGCCTTCGGCGGAAAGGTGGGGCAGGGCGGTT TTGACGGCGTGGCCGGTACCGAGCTGTTCGGTTTGTTCAACCCAAACGACATCGCGTTTG ACGGTGTCCAAGACTTGCTCTTTGCCGTGGCCGATGACGACGCAGATGTTTTGCGGATTC AGTGCGGCTGCGGTGTCGATAACGCGCCCGACCATGGGCTTGCCGCCGATGCGGTGCAGC ACTTTTGGCATTTTGGAATACATGCGCGTGCCTTTGCCGGCGGGGGATGACGATGTTT AAAGTGTTTTGCGGCATGACGGTTTCCTGTGCAATGCCGTCTGAAGCGGCTTCAGACGGC ATAGGGTAGGTTTATCGGTTTTGAAACTTTGGTTTTTGCCAGTGTTGGCGATGCTCTTCG TCGGCGTTGTTGCCGGTTTGATTGGGTAACACGGCATGGCGTTCGGGACGGTATTGGTTG TAGTTCATATTTTCGAGTAGCTGCCGTCTTGGTAATAAACGGGCGTGCCGGCGGGATAT TTTTGACGGACGGGGTCTTGCCGTTGCCGTCTTGATAAGTTTCCCACGCGCAGCCCGAC TTTCGGGGGGTAGGGGGTATTGTAATGATTTTGGCGGTGTTCTGACAAAGTTTCTGCATA CCGAGCCAGTTGCGCCATATCGCTTACGGAGGCATCGATAAAGGGCAGCGCGTGGGATTT TGCACCGAACCGGACGGTTTTCATACCCAGCGCCTTTGCCTGATGCAGGTTGTCCGCGCT GTCGTCCACCATAATGCAGCATTCGGGCGGTACGTCCAACAGGCGGCAGACATTGAGATA CGCTTGCGGATTGGGTTTGTACAGCAGCCCGAAATCATCCGTGCCGAAAAGCGCGTCGAA ACGGTTTTCCAAACCGAGTGCGTTGACAACGGCACGGACGTAAAACGACGGGCCGTTGGA AAAAACCGCCTTGCGCCCTTTTAGGCGGCTCAGGGTGTTTTGTGTTTCAGGCATGCCGTG CAGCCTGGTCAGGATTGCATCGATCGGATGGCTTTCGCGCAAAAATTCGGCGATGTCGAT TTCGGGATGGTGGATTTGCAGTCCGGCGAGCGTTGCGCCGTAGCGGTGCCAATAGTCTTG ACGCAGGTCGGACGCGGCAGATTCGGAGAGTTTGAGGCGGCGTGCCATATAGCGTGTCAT AGCGCGGTTGATGAGTGTGAAGATGCCTGCGTCGGCATCGTGCAGCGTGTTGTCGAGGTC GAACAGCCACACGGTCGGGTTTTCTTGCATGTTGAACCGTGAAAATTTGTTAGAATGTTA TTTTACAGCGAATAGAGGAGGACTCGGAATGAAACGGAAAATTTGGCTGCTGCCGCTGCT GGCGGTTTCGGCATACCTGCAGGCGCAGACGGAAGTCAGGCTGCCGTGCATAAGTCGTT CAGCCTGCCCAAAGGGTTGATTGCGCGCTTCGAGCGGGCAAACGATGCGAAGGTGTCGAT TATTCAGGCGGGCGCGCGAACGAAATGCTCAACAAACTGATTTTGAGCCGCGCCAACCC GATTGCCGACGCGGTGTATGGTTTGGACAACGCCAATATCGGCAAGGCGCGGGAAATGGG CATTTGGCGGCGCGCAACCCGAATCCGCCCCCGTCGCGGTCGGGCTGCCTTCGGCTTT GGCGGTCGATTACGGCTATGTGTCCATCAATTACGACAAAAAATGGTTTGAAGGCAAAAA GCTGCCCCTGCCGCAAACCCTGCAGGATTTGACCCGCCCCGAATATAAAAACCTATTGGT CGTGCCGTCCCCGCCACGTCGTCCCCGGGGCTGGGCTTCCTGATGGCGAACATCAGCGG TCTGGGCGAAGAAAGCGCGTTCAAATGGTGGGCACAGATGCGGCAGAACGGCGTGAAGGT CGCCAAAGGCTGGAGCGAGGCGTATTACACCGACTTTTCGCACAACGGCGGCGCGTATCC GCTGGTGGTCGGTTATGCCGCCAGCCCGGCGGCGGAAGTGTATTTTTCCAAAGGCAAATA CAGCGAGCCGCCGACGGCAACCTGTTTTTAAAAGGCGGCGTATTCCGCCAGGTCGAAGG CGCGGCGTCTTGAAGGGCGCGAAACAGCCGGAATTGGCGGCAAAACTGGTGCAATGGCT GCAAAGTCGGGAAGTGCAGCAGGCGGTTCCGTCCGAAATGTGGGTTTACCCCGCCGTCAA AAACAGGGGCCTGCCGGACGTGTTCCGGTTCGCGCAAGCCCCGACGCACACCACCGCCCC CGCGCAGCGCGATATTGATGCGAACCAGCGCGGATGGGTTTCCCGTTGGATTAGAACGGT

TTTGAAATAAAACAAACATACCTCCCCGCAGGGCTTCATACGGCATTTTTACACCTGTGC CGATTACGCCGCACGGGGCGGATGTTCGATCAAGAGGAAAACAATGGACTTCAAACAATT TGATTTTTTACACCTGATCAGTGTTTCCGGTTGGGAGCATCTGGCTGAAAAGGCGTGGGC TAGTTTTTTGTGTAATGTTGCCAATATCGGCTTATTGATTTTGGTGATTATTGCCGCATT GGGCAGATTGGGCGTTTCCACAACATCCGTAACCGCCTTAATCGGCGGCGCGGGTTTGGC GGTGGCGTTGTCCCTGAAAGACCAGCTGTCCAATTTTGCCGCCGGCGCACTGATTATCCT GTTCCGCCCGTTCAAAGTCGGCGATTTTATCCGCGTCGGCGGTTTTGAAGGATATGTCCG CAACAGCGTGGTGATGGGCAACAGCATCGTCAACCGTTCCACACTGCCGCTGTGCCGCGC CCAAGTGATAGTCGGCGTCGATTACAACTGCGATTTGAAAGTGGCGAAAGAGGCGGTGTT GAAAGCCGCCGTCGAACACCCCTTGAGCGTTCAAAACGAAGAGCGGCAGGCTGCCGCCTA CATCACCGCCTTGGGCGACAATGCCATCGAAATCACATTATGGGCTTGGGCAAACGAAGC AGACCGCTGGACGCTGCAATGCGACTTGAACGAACAAGTGGTCGAAAACCTCCGCAAAGT CAATATCAACATCCCGTTCCCGCAACGCGACATACACATCATCAATTCTTAAACGCCGTC TGAAAGAGGAGTGGGAAATGGACGCGCTGCACACCATCGCCCGAAACCTGACGAAAAAAC GTCAAACCGTAAGCTGTGCCGAATCCTGTACGGGCGGAATGCTTGCCGCCGCATTCACAA GCGTTGCAGGCAGTTCGCAATGGTTCGACCAGAGTTTTGTAACATACAGCAACAAAGCCA AAGAAGACCGCTTGGGCGTGTTGCCCGAAACCCTGCTCGAACACGGCGGGTCAGCCGCC **AAACCGTCTATGAGATGGCGCGCGGGGGGAAAGCCGTGGCGCAGGCGGATTACGCCGTCG** GTATTTCCGGCATCGCCGGTCCGGGCGGCGGCAGCGAAAGCAAACCCGTCGGCACGGTTT GGTTCGGGTTTGCCTTTCCGGGCGGAAGTTGCGAAGCAATGCGCCGTTTTGACGGCAACC GCGAATCCGTCCGCGCGCAGGCGGTCGCCTTCGCGTTGGAACGGTTGGCGGGGCTGATTG AAAACGGCGGCGATGCTGTAAACAAAATCTCCGTCTGAACAAAATCCCCATCGGATAA AAAATGCCGTCTGAAACGTTTCGGGTTTCAGACGGCATTTTGTCGGGGTAGGCGGCGGTG CGGCTTATTTCACTTTACCTTTCAACGCGCCATAGCCTGCCGCGTCCATTTGTTCCAGCG GGATGAATTTCAAGCTCGCGCCGTTGATGCAGTAGCGCAGTCCGCCTTTGTCGCGCGGGC CGTCGGGGAAGACGTGTCCCAAATGCGAGTCGGCGGCGTGGCTGCGCACTTCGGTGCGGC GCATGTTGTAGCTGAAATCATCGTGTTCGGTAACGGATTTTGCATCAATCGGGCGCGTGA AGCTCGGCCAGCCGCAATCATATTTGTCGGCGGAGCTGAACAAAGGTTCGCCGC TGACAACGTCCACATAAATGCCGGGTTTGAACAAATGGTCGTATTCGTGGCTGAAGGCAT ATTCGGTCGCGCTGTTTTGGGTAACTTGGTATTGCTCTTCGGTCAGGGTGCGTTTGAGTT CGGCGTCACTCGGTTTTTTATACGTTGCCGCGTCGAAGCCTTTGCCTTGCGGGGCGGTCT TGGTTTTGCCCGGCAGCGGTTCGTCAGCTTTGCGGATGTCGATGTGGCAGTAGCCGTTGG GGTTTTTAATCAAGTAGTCCTGATGGTATTCCTCGGCATCGTAGAAGTTTTTCAGCGGCT CGTTTTCAACAACGAGGGGCAGTTGGTATTTTTGCTGCTCGCGTTTGAGGGCGGCGGCGA TGACGGCTTTTTCGGCGGGGTCGGTGTAGTACACGCCGCTGCGGTATTGCGTACCGGTGT CGTTGCCCTGTTTGTTGAGGCTGGTCGGATCAACGACGCGGAAGAAATATTGCAGGATGT CGTCTAGGCTGAGTTTGTCGGCATCGTAGGTCACTTTGACGGTTTCGGCGTGGCCCGTAT GGCGGTAGGACACGTCTTCATAGCTCGGATTTTTCGTGTTGCCGTTGGCGTAGCCGGATA CCGCGTCAACCACGCCGTCGATGCGTTGGAAATAGGCTTCCAAGCCCCAGAAGCAGCCGC CGGCGAGGTAAATGGTGCGCGTGTTCATGATTTTTGAATCCTTTTTCTGAGTGTCGGGTT TGTAGAACGAATGTTTCAAGCTGCCCAAATCGGCATTCGGGTCGCGGATTAACGCCAACG CCTGCGCTTCGTTGATGCTGCCTTTGACGATGCGCTGCACGTCGCTGTCTTTACCGATTA ACGCCCACGAGGGGTAAACGCTGATATTCAGGCTTTGGGCGATCGTGCCGCCGTTGTCGG TTACGACGGCAGCTTGGGATAATTCAAACCGGCATACCATTTTTGGAAGTCGCCGTCTT TTTTCTCGTGCAAAAAGCCCGGGGAGGCGACGGTAATCAGGTTGGCGGAGCTGAATTTTG CCCAAAATTTAATCAGCGTCGGTTTGTCTTTTTTCAAGTAAACACTGGCGGGGGGGTTGT CCGCAGTTTTCAAAGTGGATAAAGTGTGCGGCACGGTCGCGGCTCCGGCATCGACGATTT TACGGTGTTTCATTTTGATGTTTCCTGTGTGGACGGTTTGCATGATTAGACGTTTGAGAT GCCGAAACCTTACAGCCCGGATTTTCAGACAACCTTACCGCGTAAAATACGCTACAATAC GCCCTGTTTCAAGTTTCTAAAATTAAAAGGAAAATTCAATGTTCAGCTTCTTCCGTCGCA AGAAAAAACAGGAAACGCCGGCTCTCGAGGAGGCTCAAATTCAGGAAACCGCAGCAAAAG CAGAATCTGAACTTGCTCAAATAGTTGAAAATATTAAAGAAGATGCTGAATCTTTAGCAG AAAGCGTCAAAGGGCAGGTCGAATCTGCCGTTGAAACCGTCAGCGGTGCGGTTGAACAGG TAAAGGAAACCGTTGCCGAGATGCTGTCTGAAGCAGAGGAAGCGGCGGAAAAAGCAGCGG AACAAGTCGAAGCGGCAAAAGAAGCCGTTGCCGAAACCGTCGGCGAGGCTGTCGGGCAAG TTCAAGAAGCCGTTGCGACAACTGAAGAACACAAGCTCGGTTGGGCGGCGCGTTTGAAAC GACAAATCGACGAAGATTTATACGAAGAGCTGGAAACCGTGCTGATTACCAGCGATATGG GCATGGAAGCCACCGAATACCTGATGAAAGACGTGCGCGACCGCGTCAGCCTCAAAGGGC TGAAAGACGGCAACGAATTGCGCGGCGCGTTGAAAGAAGCCTTGTACGACCTGATTAAGC CTCTGGAGAAACCTTTGGTTTTGCCCGAAACCAAAGAGCCGTTTGTCATCATGCTTGCCG GCATCAACGGCGCGGGCAAAACCACGTCTATCGGTAAACTCGCCAAATATTTCCAAGCGC TTCAAGCTTGGGGCGAGCGCAACAACGTAACCGTGATTTCGCAAACCACGGGCGATTCCG CCGACACCGCCGGCCGCCTGCCCACGCAGCTTCATTTGATGGAAGAAATCAAAAAAGTGA AACGCGTGCTGCAAAAAGCCATGCCCGACGCGCGCACGAAATCATCGTCGTGCTTGATG CCAATATCGGGCAAAACGCCGTCAACCAAGTCAAAGCCTTTGACGACGCATTGGGGCTGA CCGGTTTAATCGTTACCAAACTCGACGGCACGGCAAAAGGCGGCATCCTCGCCGCGCTTG CCTCCGACCGCCCGTTCCCGTCCGCTATATCGGCGTGGGCGAAGGCATAGACGACCTGC

Appendix A

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GCCCGTTTGACGCGCGCGCGTTTGTGGACGCACTGCTGGATTGAGCCGAAATGCCGTCCG AAAACAGCAGACCGATGCCGTCATTCCCGCGCAGGCGGGAATCCAGACCTTGGGATAACG GCAATATTCAAAGGTTATCTGAAAGTCCGAGATTCTGGATTCCCACTTTCGTGGGAATGA CCCGCGCAGGCGGAATCTAGAACGTAAAATCTAAAGAAACCGTGTTGTAACGGCAGACC GATGCCGTCATTCCCGCGCAGGCGGGAATCTAGACCATTGGACAGCGGCAATATTCAAAG ATTATCTGAAAGTCCGAGATTCTGGATTCCCACTTTCGTGGGAATGACGGGATTTGAGAT TGCGGCATTTATCGGAAAAAACAGAAACCGCTCCGCCGTCATTCCCGCGCAGGCGGGAAT CTAGGTTTGTCGGTGCGGAAACTTATCGGGTAAAACGGTTTCTTTAGATTTTGCGTTCTA GATTCCCACTTCGCGGGAATGACGAAGAGTTGCGGGAATGATGGAAAGCTATGGGAATA ACGAAGGGTTAAAGTAATCACGGGATGGTGTTCGCGGGAATATAAATTGAAATAATTCAA AAGGGTATTATATGCAGCCTGCGGTTTATATTTTAGCAAGCCAACGTAATGGCACGTTAT ACATTGGCGTTACATCTGATTTGGTGCAACGTATTTACCAACATAGGGAGCATTTGATTG AGGGATTTACATCACGGTACAACGTTACTATGCTGGTTTGGTATGAACTGCATCCTACGA TGGAGAGTGCAATTACTCGGGAAAAACAGTTGAAGAAATGGAACAGGGCTTGGAAATTGC AACTGATTGAAGAAAATAATGTTTCTTGGCAGGATTTATGGTTTGATATTATTTAGCCCG GGCAACTTCTAAACCGTCATTCCCGCGTAGGCGGGAATCTAGACCTTGGGATAACGGCAA TATTCAAAGTTTATAAAAGACCCGTTATTCCCGCGCAGGCGGGAATCTAGACCTTAGAAC **AACAGTAATATTCAAAGGTTAGCTGAAGCTTTAGAGATTCTAGATTCCCACTTTCGTGGG** AATGACGGGATGTAGGTTCGCGGGAATGACGGGATTTGAGATTGCGGCATTTATCGGAAA AAACAGAAACCGTTCTGCCGTCATTCCCGCGCAGGCGGGAATCCGGCTTGTTCGGTTTCG GTTTTTTTGAGGTTTCGGGCAACTTCTAAACCGTCATTCCCGCGCAGGCGGGAATCTAGA CCATTGGACAGCGGCAATATTCAAAGATTATCTGAAAGTCCGAGATTCTAGATTCCCACT TTCGTGGGAATGACGGGATGTAGGTTCGTGGGAATGACGGGATTTGAGATTGCGGCATTT ATCGGAAAAACAGAAACCGCTCTGCCGTCATTCCCGCGCAGGCGGGAATCCGGCTTGTT CGGTTTCGGTTTTTTTTTTTTTGAGGTTTCGGGCAACTTCTAAACCGTCATTCCCGCGC AGGCGGGAATCCAGACCATTGGACAGCAGCAATATTCAAAGATTATCTGAAAGTCCGGGA TTCTAGATTCCCACTTTCGTGGGAATGACGGGATGTAGGTTCGTGGGAATGACGGGATTT GAGATTGCGGCATTTATCGGAAAAACAGCAACCGCTCCGCCGTCATTCCCGCGCAGGCGG GAATCTAGACCTTGGGATAACAGCAATATTCAAAGGTTAGCTGAAGCTTTAGAGATTCTG GATTCCCACTTCGTGGGAATGACGGAATGTAGGTTCGTGGGAATGACGGGATTTGAGAT TGCGGCATTTATCGGAAAAACAGCAACCGCTCCGCCGTCATTCCCGCGCAGGCGGGAATC TAGACCTTGGGATAACAGCAATATTCAAAGGTTAGCTGAAGCTTTAGAGATTCTGGATTC CCACTTCGTGGGAATGACGGAATGTAGGTTCGTGGGAATGACGGGATTAGAGTTTCAAA ATTTATTCTAAATAGCTGAAACTCAACGCACTGGATTCCCGCCTGCGCGGGAATGACGAA TTTTAGGTTTCTGATTTTGGTTTTCTGTTTTTGAGGGAATGACGGGATTTGAGATTGCGG CATTTATCGGGAGCAACAGAAACCGCTCCGCCGTCATTCCCGCGCAGGCGGGAATCTAGA CCTTAGAACAACAGCAATATTCAAAGGTTAGCTGAAGCTTTAGAGATTCTAGATTCCCAC TTTCGTGGGAATGACGGAATGTAGGTTCGTGGGAATGACGCGGTGCAGGTTTCCGTATGG TTGAGGTTTCGGGCAACTTCTAAACCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAG AACAACAGCAATATTCAAAGATTATAAAAGACCTGTCATTCCCGCGCAGGCGGGAATCTA GGTCTGTCGGCACGGAAACTTATCGGGTAAACGGTTTCTTGAGATTCCGCGTCCTGGATT CCCACTTTCGTGGGAATGACGGGATGTAGGTTCGTGGGAATGACGCGGTGCAGGTTTCCG TATGGATGGGTTCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAGAATAACAGCAATA TTCAAAGATTATCTGAAAGTCCGAGATTCTGGATTCCCACTTTCGTGGGAATGACGGAAT CAGGCGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAGATTATAAAAGACCTGTCA TTCCCGCGCAGGCGGAATCCAGACCTTAGAACAACAGCAATATTCAAAGGTTAGCTGAA GCTTTAGAGATTCTGGATTCCCACTTTCGTGGGAATGACGGGATGTAGGTTCGTGGGAAT GACGCGGTGCAGGTTTCCGTGCGGATGGATTCGTCATTCCCGCGCAGGCGGGAATCCAGA CCTTGGGATAACAGCAATATTCAAAGGTTATAAAAGACCCGTCATTCCCGCGCAGGCGGG AATCTAGACCTTAGAACAACAGTAATATTCAAAGGTTAGCTGAAGCTTTAGAGATTCTGG ATTCCCACTTTCGTGGGAATGACGGGATTAGAGTTTCAAAATTTATTCTAAATAGCTGAA ACTCAACGCACTGGATTCCCGCCTGCGCGGGAATGACGAATTTTAGGTTTCTGATTTTGG TTTTCTGTTTTTGTAGGAATGATGAAATTTTTGAGTTTTAGGAATTTATCGGAAAAAACAG AAACCGCTCCGCCGTCATTCCCGCGTAGGCGGGAATCCAGACCGTTGGGCATCTGCAGCG GTTTGCTAAAAACCGCTTTACTGTGATAAGTGCGCAGGGTTAGAATGGCGCGGTAACCTT ATATATTGTACCCCGTCAAAGGGGCGCATTGCTTTTCTTAACATTCCCCTTTGGCAGCCA AGTGAAAGGGCTTTTCAATCAGCAATTCGGCGGGCGCGGAATCGGGCGGTTTACCGAACC CCGGCGTTCGCGGCGCCCCCGTCCCGTGAAGGCAAACTCAAGGAATAAAAGATGAA TAAAACTTGGAAACGGCAGGTTTTCCGCCATACCGCGCTTTATACCGCCATATTGATGTT TTCCCATACCGGCGGGGGGGGGGGCAGGCGCAAGCGCAAACGCAAACGCATAAA TACGCTATTGTAATGAACGCGCAAAATCTGCCCGAGGTAAAGTGGGGGGATCAATATCAG TCATTGACGCACAAAAGCAATGAACGCGAAGTTATCCATACGAGTGGTTTTGGTTTGGCA ACTGTCGTTTTCGGCGCGGCGACCTACCTGCCGCCCTACGGAAAGGTTTCCGGTTTTGAT ACCGCTAAGCTGACCGAGCGCAAAAATGCCCTTGATCAGATTGGTACGACCAAAACGGGG CTGGTAGGCTACAGCTACGAAGGTAGCACATGCTCCAGCGGAGGTTGTCCTACAGTTGCC TATAGAACCCAATTTACCTTCGGCAATTCCAGTTTGGCAAAAAAGGCAAACGGCGGCGGG CTGGATATATACGAAGACAAAAGCCGCGACAATTCGCCCATTTACAAATTGAAGGATCAT CCTTGGTTGGGCGTGTCTTTCAATTTGGGCGGAGAGCTCCTTCAAACCAAAGAGACAA GGTTGTTTGGTATCTTCTTTTAGCGAGGACGTGACGCAGCAAAATGGTGCGGGCAGCCAA CACAAAGACAAAAACCTCGTTTATACGACAGACGATTACAAGAGTCAGAATAATAAAAAC

CATCAGGACAAACACCACGCCGTCGCCTTTTATCTGAACGCCAAGCTGCACCTGCTGGAT AAAAAACACATTAAAAATATCGTGCAAGGTAAAACAGTTAATTTGGGTATCTTGAAAACA CGCATCGAGCCGACGGAAGCATGGAAAAGACGGAATAGTAACTTTTTTAACGGTAGTTGG ACGTATGAAGAGGAACAGTCAGCGTCAAACTCAAATTGCCGGAAGTCAAAGCAGGC CGCTGCATCAACGCAAATAACCCCAATAAGAGTACCAAAGCCCCTTCCCCCGCACTGACT GCCCCCGCGCTGTGGTTCGGACCTGTGCAAAATGGTAAGGTGCAGATGTATTCCGCTTCG ACCGACCCCAACAACCCGGCCGCCATTCCCTCGCAGACTTGGCTAAGTCGGATATTGAA **AATCGACAGCCGAATTTCACAGGGCGGCAAACCATCATCCGATTGGATGGCGGCGTACAG** CAGATCAAACTGGGTAGAAACAATGATGAGGTCGCCAATTTTAATGGAAATGACGGCAAA AACGACACTTTCGGCATTGTTAGTGAAGGGAGCTTCATGCCTGATGCCAGCGAGTGGAAA AAAGTATTGCTGCCTTGGACGGTTCGTGCTTCCAATGATGACGGTCAATTTAACACATTC AACAAAGAAGAAAAAGACGGCAAGCCAAAAATACAGCCAAAAATACCGCAGCCGCGACAAC GGCAAGCACGAGCGCAATTTGGGCGACATCGTCAACAGCCCCATCGTGGCGGTCGGCGAG **AAGCGCAGCTACAATCTGAAGCTCAGTTATATCCCGGGTACGATGCCGCGCAAGGATATT** CAAAACACCGAATCCACCCTTGCCAAAGAGCTGCGCGCCTTTGCCGAAAAAAGCTATGTG GGCGACCGCTACGGCGTGGACGGCGCTTTGTCTTGCGCAAAGTCGAACGGAACGGGAA GACCATGTGTTTATGTTCGGCGCGATGGGCTTTGGCGGCAGAGGCGCGTATGCCTTGGAT TTAAGCAAAATCGACAGCGGCAACGGCAACCTGGCAGACGTTTCCCTGTTTGATGTCAAA CATGACAAGAATGGCAATAACGGCGTGAAATTAGGCTACACCGTCGGCACGCCGCAAATC GGCAAAACCCACGACGGCAAATACGCCGCTTTCCTCGCCTCCGGTTATGCGACTAAAGAC ATTACCAGCGGCGACAATAAAACCGCGCTGTATGTGTATGATTTGGAAAGCAGCGGCACG CTGATTAAAAAAATCGAAGTACCCGGTGGCAAGGGGCGGCTTTCGTCCCCCACGCTGGTG GATAAAGATTTGGACGGCACGGTCGATATCGCCTATGCCGGCGGTCGCGGCGGCAGTATG TACCGCTTTGATTTGAGCAATCAAGATCCTAATCAATGGTCTGTACGCGCCATTTTTGAA GGCACAAAACCGATTACTTCCGCGCCCGCTATTTCCCAACTGAAAGACAAACGCGTGGTT ATCTTCGGCACGGGCAGTGATTTGAGTGAGGATGATGTACTCAGTACGAGCGAACAATAT ATTTACGGTATCTTCGACGACGATACGGTGGCGAATAACGTAAATGTAAAACTCAGCGGT TTGGGAGGCGGGCTGCTCGAGCAAGAGCTTAAGCAGGAGGATAAAACCTTATTCCTGACC TATACGGGTACGGACAAATGCGGCGCGGAAACCGCCATTTTGGGTATCAATACCGCCGAC CAAAAAGGCAATGAAATCGTCTGCCCGAACGGATATGTTTACGACAAACCGGTTAATGTG CGTTATCTGGATGAAAAGAAAACAGACGGATTTTCAACAACGGCAGACGGCGATGCGGGC GGCAGCGGTATAGACCCCGGCCAAGCGTTCCGGCAAAAACAACCGCTGCTTCTCCCAA AAAGGGGTGCGCACCCTGCTGATGAACGATTTGGACAGCTTGGACATTACCGGCCCGACG TGCGGTATGAAACGAATCAGCTGGCGTGAAGTCTTCTACTGATTTGCACGCGAAAATGCC GCGGGCTATAGGGTAGGCTTCATCTCGCCAATCTCACTGAATCCATCAATTTCCACAATT CAATTAAATACCGTCAAACCGATGCCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAG **AACAACAGCAATATTCAAAGGTTAGCTGAAGCTTTAGAGATTCTGGATTCCCACTTTCGT** GGGAATGACGGGATGCAGGTTTCCGTATGAATGGATTCGTCATTCCCGCGCAGGCGGGAA TCCAGACCTTAGAACAACAGTAATATTCAAAGATTATCTGAAAGTCCGAGATTCTGGATT CCCACTTTCGTGGGAATGACGGGATTTTAGGTTTCTGATTTTGGTTTTCTGTTTTTGTAG GAATGATGAAATTTTGAGTTTTAGGAATTTACCGGAAAAAACAGAAACCGTTCTGTCGTC ATTCCCGCGCAGGCGGGAATCTAGACATTCAATGCTAAGGCAATTTATCGGGAATGACTG AAACTCAAAAAACTGGATTCCCACTTTCGTGGGAATGACGGGATTTGAGATTGCGGCATT TATCGGGAGCAACAGAAACCGCTCTGCCGTCATTCCCGCGCAGGCGGGAATCCAGACCTT AGAACAACAGTAATATTCAAAGATTATCTGAAAGTCCGAGATTCTGGATTCCCGCCTGCG CGGGAATGACGAATTTTAGGTTTCTGATTTTGTTTTTCTGTTTTTTGTGGGAATGATGAAA TTTTGAGTTTTAGGAATTTATCGGAAAAAACAGAAACCGCTCTGCCGTCATTCCCGCGCA GGCGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAGATTATCTGAAAGTCTGAGAT TCTAGATTCCCACTTTCGTGGGAATGACGGGATGTAGGTTCGTGGGAATGACGTGGTGCA GGTTCGTGGGAATGACGTGGTGCAGGTTCGTAGGAATGACGTGGTGCAGGTTTCCGTGCG GATGGATTCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAGAACAACAGCAATATTCA AAGGTTATCTGAAAGTCCGAGATTCTGGATTCCCACTTTCGTGGGAATGGCGCGATTAGA GTTTCAAAATTTATTCTAAATAGCTGAAACTCAACGCACTGGATTCCCGCCTGCGCGGGA GGCGGGAATCTAGACATTCAATGCTAAGGCAATTTATCGGGAATGACTGAAACTCAAAAA ACTGGATTCCCACTTTCGTGGGAATGACGGGATTAGAGTTTCAAAATTTATTCTAAATAG CTGAAGCTCAACGCACTGGATTCCCGCCTGCGCGGGAATGACGAAGTGGAAGTTACCCGA AACTTAAAACAAGCGAAACCGAACGGAACTGGATTCCCATTGTCGTGGAAATGACGGGATT TTAGGTTTCTGTTTTTGGTTTTCGTGGGAATGACGGGATGTAGGTTCGTGGGA ATGACGGTTCAGTTGCTACGCATTTACCCTGCGCAAAGCTTTATCCACTATCTTGTAACC TGTCTGACAATCTGTCCTCTTACAAAATGCCGAAACTTTTTCAGGCTGCATTTTGGGG $\tt CTGCCTGTGCGGAATTTGGCGGTAGGCGGTAGTAGGGTTCGAGCTGTCGGGCGATGAG$ TTGGAGCTGTTGGAGGAGGATGTGGCTTTGTGTTCCGCTGCTGTGGGTGCGGAGGGTGTC GAGTTCGCCGCGCAGTGTATCCAGTGCTGTCTGAAAGTCGTCGGGTTCGGTTTCGGGCAG GTGTTGGAAGATGTGGGCGGTGTGTTCGGCGGCGAGGTGGAACTGTGCGGTAAAGTCGGG GCTGCATTCTTCGTGCATTTCGCTGCGGTATGCGCCGAGGGCGGAGATGTAGCCGGTCAG GGCGTAGCCGGTTTTGAGCAGGGTAAAGCCGGGTTGCAGGCTGTCGGCGAATTTTGCGGG

TTCGCTGCTCATGTCGGAAAGGGTGCTGCTGAGGGCGGCGGTGTGTTCGTGGGCGCGGCG GCGGGTGGCGCGTATTCGACGTCGCCGGTTTCGCCGCTTTTGAGGCGTTCGGTGAT TTTTTCGAGATAGGCACCGTTGCTGCATACGGCAAGGGCGGCGGTGCGTTCGAGCGTGAG GTATTTCCAGTCTGGCCACAGGTAGCTGACTGCCGCCCAGGCAAGGGATGCGCCGATAAT GGTGTCGATGATGCGTACGGGCATGGCGGCGTATACGTCCAAACCTGCGAGGGAGAGGCT GGTCAGGGCTTGAATGGTAATGAAGAAGGTGGAGAAACTGTATTTGTAGGTGCGGGTCAT GAAAAAGAGGGTGGTACTGGCGATGACAATCCAGAGTTTGGTTTCGACAGACGGGGTGAA GTAGGGGACGAGCGACGATTACGCCGAGTACGGTGCCGCGATGCGCTGGCGGAC GCGGCTTTTGGTGGCGGTGTAGTTGGGTTGGCAGACGAAAAGGGCGGTCAGTAGTATCCA GTAGCCGAGGTTGAGGGTTGAGGGCTTCGACGATGGTGCAGGCGGCGGCAACGACGAGGGA CCAGGTGTTTTTGAGGCTGCTGGTTTCGAGGGCGGCGATGCGGTGTCGCCCATGCGGTC GTTTTCTGCCTGCAGGCCGTTGTGCTGGAGTTGGCGGAACTGCTGGTCGACGCTGCCGAG GTTGTCGAGAAGGCGCGCAGGTGGCGGATGTCGGGACTGTCGTTGCTGTCTGAAAGGAG GCGCAGCGATTGGCGGCAGCCTTCGATGGCGCGGCCGAGGCGTTTGCTGTAAACGTAGTC TTTGCTTGCGCGCAGGGCTTGGGCGGTGTTGCGGCAGGCTTGTCCCTGCATTTCGAGCAG GCGGTGGATGCGGAAGATGATGTCGGTGTTTTTTGAATTTTTCGGACATTTCCTGATAATC GACGTGGGCGGAGCTGATGCGTTCGTGTATGTCTTGGGCGGCAAAGTAGTAACGCAGCAT TTTGGCGGTGCGGGGGGGGGGGTGTTTGCCGCGAAGGCGGTAAAACAGGGCGGAACGGCA TTGGTTGAAGGCGGTGATGACGCCGGTGTTGCTCATGGCGAGGTCGATGTGGCGGTTGCC TATCCAGGCTGCCTCATCGGGGTCGAAGAAGTCGGCTTTGGCTTCGAGGTAGCCGCCGAG TGCGTCGTAGGCGTTGGCGACGCTTTCTTGGACGGGGCGGTGGGGCAGGACGATTTGGAA CAGGAGGATGGCGGTGCTGTACAGTACGGTGCCGCATAAAATCATGAAGGGGTTGGTCAG CCAGTAGGTTTCGGGGGTGTAGGTAAGTGTGGTGTAGGTGGCGACGGCGAGTGCACCGAA GGCGAAGGTGCGGTATTTGAGCCCGACCGCGCCTAAAATGGTGAAGCCGAAGGTCATCAG GGTCATGGCGAGGATGAAGGGCAGCCCTGTGCCGAGGGTGCTTTGTGCCGTGAGCGAGGA GAGGGTGAACAGGGCGACGGTGGTGATGATGTTTTTCAGCCGTCCGGTCAGGCGGTTGTC CAAATCGACAAGGCCGCCGCGATGATGCCGAGTACGAAGGGCATGGCGAGCTTGGGTTC GCCTAGCTGCCAGACGATGGAGGCGGCGGTAAAAACACTGGCGAAAACGGGAAGCGAGGT **AATGAGCAGAGGCTTGAGGAGTGGGGTTTTCATGGTTTTACCGGTTTATTGTTATGAAGT** GAATATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTGAAAGAGAACG ATTCTCTAAGGTGCTCAAGCACCAAGTGAATCGGTTCCGTACTATTTGTGCTGTCTGCGG CTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAAATTTAATCCACTATAAAGTGT AGCACATGAATGGGGCGGATAAAATCATGCCGTCTGAAAACGGGGATGCGGTTTTCAGAC GGCATTGGGTTTTGCGGATCAGGAAATGAGGTTGAGACCGTTGACCCTGTCGTAAAGGAG TTCGGGCGTTTTGCCTTCTTTGTGCAGTTGGATGTGCAATCGCAGGTTGTTGGCGGAAAC GGACTGGCGCAGGGCTTCTTCGTAACTGATGATGCCGTGACGGTACAGTTCGAAAAGGTT TTGATCCATCGTCTGCATTCCGTCGGTTTTGGCGGTTTCCATGATTTTACTGATGTTCAT CAGGTCGCCCTTCAGGATGAAGTCTTGGATGGCGGCGTGTTGATGAGCAAGTCGACAAC CGCCGTCCTGCCCGTTTTGTCTTGTTTGAGGGCGAGGCGTTGGCAGATGATGCCGGTCAG GTTGAGGGCGATGTCGATCAGTATTTGGTTGTGCTGTTCTTTGGGGTAGAAGTTGAGTAT GCGTTCGAGCGACTGCGGCGCGGTGTTGGCGTGGAGCGTAAAAATGCACAGGTGGCCGGT TTGGGCGAGCTGCATCGCGTATTCCATACTTTCCCTGCTGCGGACTTCGCCGATGCAGAC CACGTCGGGGGATTGGCGCATAGCGTTTTGTACCGCCGTCTGCCAGTTTATGGTGTCGAC GCCGATTTCGCGCTGGGTAAAGATGCAGCGGCGCGGTTTGTAGATAAATTCAATCGGGTC TTCGATGGTAACGATATGGCTGGGCAGGGTTTTGTTGCGGTGTTCGAGCATAGTCGCCAT CGTGGTGGATTTGCCCGAACCGGTAGGCCCGACGATAATCAGCAGCCCGCGCGGTGCGAC GGCGAGGTCTTTGAGTTTTTCGGGCAGGCCCAATTCCTGCATTTGCGGGATGACGTGGTT GATGCGCCGCAAAACCAAACCTGCGCTGCCTTGGCTGGTAGGCGTTGGCGCGGTAGCG CGTGCCGCTGCGCGACTGGACGGAGTAGTTGATTTCGCCGTCGCGCCGGAATATTTCCGA TTGTTCGGCGTTCATCGTCGATGCGGCGATGGCGGCGTTTCCTCGCCCGTCAGCGCCTT TTGCGGCTGCGGGTTAATGCGCTGTTGATTTTCAACGAGGGCGGGAATCCTTTGCTGAT AAGGATGTCGGACGCGTTTTGTGCTTCTGCGGTTTCGCACAGGCGGTCGAGCAGCGGGTG TTGAACCATTTCGTCCAAGATGTCGTGCAGGTTATCGGTATTCATCGTTAGCTTCTTTTC GGTTTAAGCCTTGCAGTTTGCGGCGGCAGGTTTCAACAGGAAGGCGGACGCTTCTTGTTC GGAAAGGTAGCCGGGCGGGATGCTGCGTCCCGCCCCGCGTGTTTGCGCCTTGTTTTCCCG CCGGTATGGCCGGAAAGCGGTTGTGTGTCAGAAACTCATACTTTCGCTGTTTTTGCGCGCG TCTGCGTGCGACTTCCGGTGCGATCAGCCCTTGGCGCACCAGCGATTGCAGCGATTGGTC CATTGTCTGCATACCGCTCGCCTGCCCGGTTTGCAGGACGGAGTTAATCTGCGTGATTTT GTTTTCGCGGATGAGGTTGCGGACGGCGGGGTTGGCAATCAGGATTTCGTGCGAGGCGAC ACGGCCGTTGCCGTCGTGCGTTTTCAGCAGGTTTTGGGAGATGACGGCGGTCAGCGATTC GGACAGCATAGAGCGCACCATTTCTTTTTCTCCCGCCGGGAATACGTCCACAATACGGTC GACGGTTTTTGCTGCGCCGGTCGTGTGCAGCGTGCCGAAAACCAAGTGTCCGGTTTCGGC GGCGGTCAGTGCCAAGCCGATGGTTTCTGGGTCGCGCATCTCGCCGACAAGGATAACGTC GGGGTCTTCGCGCAATGCGGAACGCAGCGCGTTGGCGAAGCTGAGGGTGTGCTGCTGCAG CTCGCGCTGGTTAATCAGGGATTTTTTGCTTTGGTGGACGAATTCAATCGGGTCTTCGAT GGTCAGGATGTGCCGGCTGGGTTTCGTTGATGTAGTTGATCATCGCGGCAAGCGTGGT CGATTTGCCCGAACCGGTAGGGCCGGTAACCAAAACCATGCCGCGCGGCGATTCTGCGAT TTTTTGGAAAATGCTCGGGGCTTTCAATTCTTCCAGCGATAAGACGGTGCTGGGAATGGT GCGGAATACGGCGGGGCCGGCCGATGTTGAAGGCGTTGACGCGGAATCGGGCGAC GTTGGGCAGTTCGAACGAGAAGTCGACTTCCAAGTTTTGCTGGTAGATTTTCCGCTGGTG GTCGTTCATCACCGAAGTTACCATATTACCGACCTCTTCCGCGCTCATTTCGGGAAGGTT GATGCGCCGCATATCGCCGTGAACCCGAATCATAGGGGATATGCCCGAACTCAGGTGAAG GTCGGATGCTTTGTTTTAGCGCCGAAGGCGAGTAAGTCGGTAATCTGCATAATGCGGCT

CTGTTTAGTATAATGTTTCGATTGGTTGGAATGGTTCTAACAACCTTGATTGTACCGCCC TGACTGGAGGGGTTTCAACTGTTTAATCATTTTTAATTAGGGGATAATCTATGACGGTGT TGCAAGAACGTTATTGTGAGGTGTCCGACCGTATCGGAAAATTGGTTCTGCAGGCGGGCA GGGAGCCGCATTCCGTCAGCCTGATTGCCGTCGGTAAGACTTTCCCTTCAGACGGCATCC GCGAAGTTTACGCCGCCGGACAGCGTGATTTCGGCGAGAACTATATTCAGGAGTGGTACG GCAAAACGGAAGAGTTGGCGGATTTGACCGACATCGTGTGGCACGTCATCGGCGATGTGC AGTCCAACAAAACCAAGTTTGTCGCCGAACGCGCGCATTGGGTGCATACCGTATGCCGTC TGAAAACCGCCGTCCGGCTGAGCGGGCAACGTCCTTCCTCAATGCCGCCTTTGCAGGTGT GTATCGAGGTGAACATTGCGGGCGAGGCGGTGAAGCACGGTGTCGCGCCCGAAGAAGCAG TCGCGCTTGCTGTGGAAGTGGCGAAGCTGCCGAATATCGTCGTACGTGGACTGATGTGTG TTGCCAAAGCCAACAGCAGTGAAACGGAGTTGAAGGTGCAATTTCAAACGATGCGGAAAC TGCTTGCCGACCTCAATGCGGCTGGCGTTAAGGCAGACGTGCTGTCTATGGGGATGTCGG ACGATATGCCTGCCGCCATTGAGTGCGGTGCGACACGCCGCTATCGGCAGCGCGATTT TCGGGAAAAGGGGCTGATGGAAATTCGGGCAATAAAATATACGGCAATGGCTGCGTTGCT TGCATTTACGGTTGCAGGCTGCCGGCTGGCGGGGTATGAGTGTTCGTCCCTCACCGG $\tt CTGGTGTAAGCCGAGAAAACCGGCTGCCATCGATTTTTGGGATATTGGCGGCGAGAGTCC$ GCCGTCTTTAGGGGACTACGAGATACCGCTTTCAGACGGCAATCGTTCCGTCAGGGCAAA CGAATATGAATCCGCACAACAATCTTACTTTACAGGAAAATAGGGAAGTTTGAAGCCTG ATTTGACTGCTTGGAAAAGCAGGGGTTGCGGCGCAACGGTCTGTCCGAGCGCGTCCGATG CGGTTACCGCATCTATATAGCCAATCGGGGTGCGGAAAAACGCGAACGTTTGGAAAAAGA GTTGGGGGTCGAAACTTCGGCAACCCTGCCGGAGCTTCATTCCGACGATGTTTAATCCT TGCCGTCAAACCGCAGGATATGGAAGCTGCGTGCAAAAATATCCGCACCAACGGCGCATT GGTGCTTTCTGTCGCAGCCGGATTGTCGGTCGGTACGCTCAGCCGTTACCTCGGGGGAAC ACGCCGCATTGTCCGGGTTATGCCGAATACACCCGGAAAAATCGGGCTGGGCGTATCTGG TATGTATGCCGAAGCGGAAGTATCGGAAACAGACCGCAGGATTGCCGATCGAATCATGAA ATCAGTCGGTTTGACTGTTTGGTTGGATGATGAGGAAAAAATGCACGGCATTACCGGCAT CAGCGGCAGCGGACCGGCTTATGTGTTTTATCTGCTGGACGCATTGCAAAATGCCGCCAT CCGACAAGGGTTTGATATGGCAGAAGCACGCGCGCTCAGTCTGGCAACGTTTAAAGGAGC GGTTGCCCTTGCCGAGCAGACGGGTGAAGATTTCGAGAAGCTTCAAAAAAATGTAACGTC AAAAGGCGGGACAACCCACGAAGCCGTGGAAGCTTTCAGGCGGCATCGTGTCGCCGAAGC CATAAGCGAGGCGTTTGTGCCTGTGTGCGCCGTTCGCAGGAAATGGAACGGCAATATCA ATAATGTAAAGAAAATAAAAAAACCAATCCAAAACGTGTTATGATGCGCGTTTTCAAAAA CGCCTTAGGCAATAAGCCTTATAAAAATCAAAGGAATAAAGCCACTTTGTGGTGCTTTGT TTTTTGCGGTGAACCGAGAGGATATACATTATGGCAAAGCTGACAGAACAAGATATTTTG AATTGGAGCGGGCCGGAAGACGATTATATGAATGACGACCATTTGGCTTTTTTCCGCGAA TTGCTGGTAAAAATGCAAGACGAACTCATCGAAAATGCTTCCGCTACGACAGGGCATCTC CAAGAACACGAATCAGCCCCCGATCCTGCCGACCGTGCCACACAGGAAGAAGAGTACGCA TTGGAACTCCGTACCCGCGATCGGGAACGAAAACTTCTCAGTAAAATACAGGCGACCATC CGCAATATTGATGAAGGGGATTATGGATTCTGTGCCGATACGGGAGAGCCTATCGGTTTG AAGCGGCTGCTGGCACGCCCGACAGCCACTTTATCTGTTGAGTCCCCAAGAACGCCGAGAG GGAGGCGGCGCAGTATTTAGCAGAAATAAAAAACCTTATCCGACAGCGACATGACGAATT TCCCCAAAAAATCCCGCTGAAAGCATTGACCGTTTTTCCCTGTGGGCGTATAGTTCGGT TCTTCGCTGCTGCAGAAGTGGCGGACGAACTGAAAAGTATAGCACAGAATGTTGGGGATA TCGAGAGATATCTTGACAGGCGGAAGGAATACTTTATAATTCGCAACGCTCTTTAACAAA **AATGTTTTGAACATTGTCCTGTTGGTTTCTTTGAAGCAGACCAGAAGTTAAAAAGTTAGA** GATTGAACATAAGAGTTTGATCCTGGCTCAGATTGAACGCTGGCGGCATGCTTTACACAT GCAAGTCGGACGGCACACAGAGAAGCTTGCTTCTCGGGTGGCGAGTGGCGAACGGGTGA GTAACATATCGGAACGTACCGAGTAGTGGGGGATAACTGATCGAAAGATCAGCTAATACC GCATACGTCTTGAGAGAGAAAGCAGGGGACCTTCGGGCCTTGCGCTATTCGAGCGGCCGA TATCTGATTAGCTAGTTGGTGGGTAAAGGCCTACCAAGGCGACGATCAGTAGCGGGTCT GAGAGGATGATCCGCCACACTGGGACTGAGACACGGCCCAGACTCCTACGGGAGGCAGCA GTGGGGAATTTTGGACAATGGGCGCAAGCCTGATCCAGCCATGCCGCGTGTCTGAAGAAG GCCTTCGGGTTGTAAAGGACTTTTGTCAGGGAAGAAAAGGCTGTTGCTAATATCAGCGGC TGATGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATAC GTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGGGCGCAGACGGTTACTTAA GCAGGATGTGAAATCCCCGGGCTCAACCCGGGAACTGCGTTCTGAACTGGGTGACTCGAG TGTGTCAGAGGGAGGTAGAATTCCACGTGTAGCAGTGAAATGCGTAGAGATGTGGAGGAA TACCGATGGCGAAGGCAGCCTCCTGGGACAACACTGACGTTCATGCCCGAAAGCGTGGGT AGCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGATGTCAATTAGCTGTTGG GCAACCTGATTGCTTGGTAGCGTAGCTAACGCGTGAAATTGACCGCCTGGGGAGTACGGT CGCAAGATTAAAACTCAAAGGAATTGACGGGGACCCGCACAAGCGGTGGATGATGTGGAT TAATTCGATGCAACGCGAAGAACCTTACCTGGTCTTGACATGTACGGAATCCTCCGGAGA CGGAGGAGTGCCTTCGGGAGCCGTAACACAGGTGCTGCATGGCTGTCGTCAGCTCGTGTC GTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTTGTCATTAGTTGCCATCATTC AGTTGGGCACTCTAATGAGACTGCCGGTGACAAGCCGGAGGAAGGTGGGGATGACGTCAA GTCCTCATGGCCCTTATGACCAGGGCTTCACACGTCATACAATGGTCGGTACAGAGGGTA GCCAAGCCGCGAGGCGGAGCCAATCTCACAAAACCGATCGTAGTCCGGATTGCACTCTGC **AACTCGAGTGCATGAAGTCGGAATCGCTAGTAATCGCAGGTCAGCATACTGCGGTGAATA** CGTTCCCGGGTCTTGTACACCCCCCCGTCACACCATGGGAGTGGGGGATACCAGAAGTA

GGTAGGATAACCACAAGGAGTCCGCTTACCACGGTATGCTTCATGACTGGGGTGAAGTCG GCTTTAGGCATTCACACTTATCGGTAAACTGAAAAAGATGCGGAAGAAGCTTGAGTGAAG GCAAGATTCGCTTAAGAAGAGAATCCGGGTTTGTAGCTCAGCTGGTTAGAGCACACGCTT GATAAGCGTGGGGTCGGAGGTTCAAGTCCTCCCAGACCCACCAAGAACGGGGGCATAGCT CAGTTGGTAGAGCACCTGCTTTGCAAGCAGGGGGTCATCGGTTCGATCCCGTTTGCCTCC **ACCANTACTGT ACAAATCAAAACGGAAGAATGGAACAGAATCCATTCAGGGCGACGTCAC** ACTTGACCAAGAACAAAATGCTGATATAATAATCAGCTCGTTTTGATTTGCACAGTAGAT AAAGCGTTTGTTTTGATTTTTTTTTTTTGCAAAGGATAAAAATCTCTCGCAAGAGAAAA GAAAACAAACACAGTATTTGGGTGATGATTGTATCGACTTAATCCTGAAACACAAAAGGC AGGATTAAGACACAACAAGCAGTAAGCTTTATCAAAGTAGGAAATTCAAGTCTGATGTT CTAGTCAACGGAATGTTAGGCAAAGTCAAAGAAGTTCTTGAAATGATAGAGTCAAGTGAA TAAGTGCATCAGGTGGATGCCTTGGCGATGATAGGCGACGAAGGACGTGTAAGCCTGCGA AAAGCGCGGGGAGCTGGCAATAAAGCAATGATCCCGCGATGTCCGAATGGGGAAACCCA CTGCATTCTGTGCAGTATCCTAAGTTGAATACATAGACTTAGAGAAGCGAACCCGGAGAA CTGAACCATCTAAGTACCCGGAGGAAAAGAAATCAACCGAGATTCCGCAAGTAGTGGCGA GCGAACGCGGAGGAGCCTGTACGTAATAACTGTCGAGATAGAAGAACAAGCTGGGAAGCT TGACCATAGTGGGTGACAGTCCCGTATTCGAAATCTCAACAGCGGTACTAAGCGTACGAA AAGTAGGGCGGGCACGTGAAATCCTGTCTGAATATGGGGGGACCATCCTCCAAGGCTAA ATACTCATCATCGACCGATAGTGAACCAGTACCGTGAGGGAAAGGCGAAAAGAACCCCGG GAGGGGAGTGAAACAGAACCTGAAACCTGATGCATACAAACAGTGGGAGCGCCCTAGTGG TGTGACTGCGTACCTTTTGTATAATGGGTCAACGACTTACATTCAGTAGCGAGCTTAACC GAATAGGGGAGGCGTAGGGAAACCGAGTCTTAATAGGGCGATGAGTTGCTGGGTGTAGAC CCGAAACCGAGTGATCTATCCATGGCCAGGTTGAAGGTGCCGTAACAGGTACTGGAGGAC CGAACCCACGCATGTTGCAAAATGCGGGGATGAGCTGTGGATAGGGGTGAAAGGCTAAAC AAACTCGGAGATAGCTGGTTCTCCCCGAAAACTATTTAGGTAGTGCCTCGAGCAAGACAC TGATGGGGGTAAAGCACTGTTATGGCTAGGGGGTTATTGCAACTTACCAACCCATGGCAA CAAGAGGGAAACAACCCAGACCGCCAGCTAAGGTCCCAAATGATAAGATTAAGTGGTAAAC GAAGTGGGAAGGCCCAGACAGCCAGGATGTTGGCTTAGAAGCAGCCATCATTTAAAGAAA GCGTAATAGCTCACTGGTCGAGTCGTCCTGCGCGGAAGATGTAACGGGGCTCAAATCTAT AACCGAAGCTGCGGATGCCGGTTTACCGGCATGGTAGGGGAGCGTTCTGTAGGCTGATGA AGGTGCATTGTAAAGTGTGCTGGAGGTATCAGAAGTGCGAATGTTGACATGAGTAGCGAT AAAGCGGGTGAAAAGCCCGCTCGCCGAAAGCCCAAGGTTTCCTGCGCAACGTTCATCGGC GTAGGGTGAGTCGGCCCCTAAGGCGAGGCAGAAATGCGTAGTCGATGGGAAACAGGTTAA TATTCCTGTACTTGATTCAAATGCGATGTGGGGACGGAGAAGGTTAGGTTGGCAAGCTGT TGGAATAGCTTGTTTAAGCCGGTAGGTGGAAGACTTAGGCAAATCCGGGTCTTCTTAACA CCGAGAAGTGACGACGAGTGTCTACGGACACGAAGCAACCGATACCACGCTTCCAGGAAA AGCCACTAAGCTTCAGTTTGAATCGAACCGTACCGCAAACCGACACAGGTGGGCAGGATG AGAATTCTAAGGCGCTTGAGAGAACTCAGGAGAAGGAACTCGGCAAATTGATACCGTAAC TTCGGGAGAAGGTATGCCCTCTAAGGTTAAGGACTTGCTCCGTAAGCCCCGGAGGGTCGC AGAGAATAGGTGGCTGCGACTGTTTATTAAAAACACAGCACTCTGCTAACACGAAAGTGG ACGTATAGGGTGTGACGCCTGCCCGGTGCTGGAAGGTTAATTGAAGATGTGAGAGCATCG GATCGAAGCCCCAGTAAACGGCGGCCGTAACTATAACGGTCCTAAGGTAGCGAAATTCCT TGTCGGGTAAGTTCCGACCGCACGAATGGCGTAACGATGGCCACACTGTCTCCTCCTGA GACTCAGCGAAGTTGAAGTGGTTGTGAAGATGCAATCTACCCGCTGCTAGACGGAAAGAC CCCGTGAACCTTTACTGTAGCTTTGCATTGGACTTTGAAGTCACTTGTGTAGGATAGGTG GGAGGCTTAGAAGCAGACGCCAGTCTCTGTGGAGCCGTCCTTGAAATACCACCCTGGT GTCTTTGAGGTTCTAACCCAGACCCGTCATCCGGGTCGGGGACCGTGCATGGTAGGCAGT TTGACTGGGGCGGTCTCCCCAAAGCGTAACGGAGGAGTTCGAAGGTTACCTAGGTCCG GTCGGAAATCGGACTGATAGTGCAATGGCAAAAGGTAGCTTAACTGCGAGACCGACAAGT CGAGCAGGTGCGAAAGCAGGACATAGTGATCCGGTGGTTCTGTATGGAAGGGCCATCGCT CAACGGATAAAAGGTACTCCGGGGGATAACAGGCTGATTCCGCCCAAGAGTTCATATCGAC GGCGGAGTTTGGCACCTCGATGTCGGCTCATCACATCCTGGGGCTGTAGTCGGTCCCAAG GGTATGGCTGTTCGCCATTTAAAGTGGTACGTGAGCTGGGTTTAAAACGTCGTGAGACAG TTTGGTCCCTATCTGCAGTGGGCGTTGGAAGTTTGACGGGGGCTGCTCCTAGTACGAGAG GACCGGAGTGGACGAACCTCTGGTGTACCGGTTGTAACGCCAGTTGCATAGCCGGGTAGC TAAGTTCGGAAGAGATAAGCGCTGAAAGCATCTAAGCGCGAAACTCGCCTGAAGATGAGA CTTCCCTTGCGGTTTAACCGCACTAAAGAGTCGTTCGAGACCAGGACGTTGATAGGTGGG GTGTGGAAGCGCGTAACGCGTGAAGCTAACCCATACTAATTGCTCGTGAGGCTTGACTC TATTGATTAAGGCTTTACCGATTTGTAACAGTTTAAGTTTGGCGGCCATAGCGAGTTGGT CCCACGCCTTCCCATCCCGAACAGGACCGTGAAACGACTCAGCGCCGATGATAGTGTGGT TCTTCCATGCGAAAGTAGGTCACTGCCAAACACCCCATTCAGAAAACCCCCGATTATTCGG GGGTTTTTGCTTTGCCCGGAAAAATGTTTGCTTTGCCCGGAAAAAATGTCGGTGATGGC GGGACGGCATCCGTACGGTGTCCGGTCGGGTTTGCGGAGGAACGGCTTGAAACTTTGGGA TATTCATTTTAGAATGACTCGTTTTATCGTCGCAAGATGCGGTTTATTGTTTGCAACCCT TAAAGGAAAAACCATGAAGAAAATGTTCGTGCTGTTCTGTATGCTGTTCTCCTGCGCCTT CTCCCTTGCGGCGGTAAACATCAATGCGGCTTCGCAGCAGGAGTTGGAGGCGCTGCCAGG CATAGGCCCTGCGGTGCTGGCGAAGCTGAAGGATCAGGCTTCCGTCGGCGCGCCCCGCACC AAAAGGCCCAGCCAAACCAGTGCTGCCCGCGGATAAAAAATAAAATAGGGGGAAGTCTGC AGCCGCATCAAATGCCGTCTGAACATGCGTTCGGGCGGCGTTTTTATAACAAAAACACTT -- CATGGCGGTTGGTTTTATGCCTATCTAAGTTTTTGTGTCGTGCATACCTGAAGATTTCAG ACGGCATCGGTTTATGCTGTCTGAAAAGTGTATTCCGTTTCAGTTTGTAAGCTATGGCAG

TCTGTTTGTCTTGTGTTTTGCGCAATTGCCCTTATTTTGAGCCGTGATTTTATTTTGAAT TAGATGAAAAAATGAGTAATCAAGATTTTTATGCGACGCTGGGTGTGGCAAGAACAGCTA CCGATGATGAGATTAAAAAAGCCTACCGGAAATTGGCGATGAAATACCATCCCGACCGCA ATCCTGACAATAAAGAGGCGGAAGAGAAGTTTAAAGAAGTACAAAAGGCGTATGAAACTT TGTCCGACAAGGAAAAGCGCGCTATGTACGACCAGTATGGTCATGCGGCGTTTGAAGGCG GCGGACAGGGGGGCTTCGGAGGGTTTGGCGGATTTGGCGGTGCGCAGGGTTTTGACTTTG GGGATATTTTCAGCCAAATGTTTGGAGGCGGTTCGGGGCGCCCCAGCCTGATTATCAGG GTGAGGACGTT CAAGTCGGTATCGAAATCACGCTTGAAGAAGCCGCAAAAGGTGTGAAGA AACGCATCAATATTCCGACTTATGAAGCGTGTGATGTCTGTAACGGCAGTGGCGCGAAAC CGGGGACATCCCCGGAAACCTGCCCGACTTGCAAAGGTTCGGGTACGGTGCACATCCAGC AGGCGATTTTCCGTATGCAGCAGACTTGTCCGACCTGCCACGGTGCGGGCAAACACATTA AAGAACCTTGCGTCAAATGCCGTGGCGCGGGGGGGGAATAAGGCGGTCAAGACGGTGGAAG TCAATATTCCCGCCGGTATCGATGACGGGCAGCGTATCCGTTTGAGCGGCGAAGGCGGGC CGGGTATGCACGGTGCGCCTGCCGGCGACTTGTATGTAACCGTCCGCATTCGGGCGCATA AGATTTTCCAACGCGACGGTCTGGACTTGCATTGCGAACTGCCGATCAGTTTTGCCACGG CTGCTTTGGGCGGGGAGTTGGAAGTGCCGACCTTGGACGGAAAGGTCAAGCTCACCGTCC CCAAAGAAACCCAAACCGGCAGGAGGATGCGCGTGAAGGGTAAGGGTGTCAAATCTTTAC GCAGCAGCGCGACCGGCGATTTGTACTGCCATATTGTTGTCGAAACGCCTGTCAATTTGA CCGACCGTCAAAAAGAGCTTTTGGAAGAATTTGAGCGGATTTCTACCGGCTTGGAAAACC GTTCGGAAACAAGCAGCCGTATCGGGGAATCTCCTTGATACGGCTGTTTTTATTTGTTTA AAAATAGTTTTTATTTTCAATGGGGTATGAGGCAGGGTGGGATAACTGTTTTTAACTGTT CTTTTTAAAACTTGACATCATGGCGTGATGCCAACAATATGTGAACGTCTGTTGTCAAAG GAAGAATAATGAATAAATCTTTATCCAGTTCGGTAGAAGAATACCGCGAGCTGACGCTCC GAGGCATGATACTCGGTGCATTGATCACTGTAATTTTTACTGCGTCCAATGTTTACCTCG GTTTGAAAGTCGGGCTGACCTTTGCCTCGTCGATTCCGGCGGCGGTGATTTCGATGGCGG TTTTAAAGTTTTTCAAAGGCAGCAATATTTTGGAAAACAACATGGTGCAGACCCAAGCCT CGGCTGCGGGTACGCTTTCGACCATCATCTTCGTCCTGCCCGGTTTGCTGATGGCGGGCT ACTGGAGCGGTTTCCCGTTCTGGCAGACGACGCTTTTATGTATTGCCGGCGGGATTTTGG GGGTGATTTTCACCATTCCTCTGCGTTACGCAATGGTGGTGAAAAGCGATTTGCCTTATC CGGAAGGTGTGGCGGCTGCTGAAATTTTGAAAGTGGGCGGTCATGAAGAAGGGGGATAACC GTCAGGGCGGCAGCGGCATCAAAGAGCTGGCGGGCGGCGGTGCGTTGGCGGGATTGATGA GCTTTTGCGCCGGAGGTCTGCGCGTGATTGCCGACAGCGCGAGTTATTGGTTTAAAAGCG GTACGGCGATTTTCCAGCTGCCGATGGGCTTTTCACTGGCATTGTTGGGCCGCGCCTATT TGGTCGGACTGACGGGCGGTATCGCCATCCTGTTGGGCATTTCGATTGCTTGGGGCATTG CCGTGCCGTATTTCTCCTCACACATTCCGCAACCTTCCGATATGGAAATGGCGGCGTTTG CGATGAAGCTGTGGAAGGAGAAAGTGCGTTTTATCGGTGCGGGGACTATTGGCATTGCGG CGGTTTGGACGCTGTTGATGCTGCTCAAGCCGATGGTGGAAGGCATGAAGATGTCGTTCA AGAGTTTTGGCGGCGGTGCGCCCGCTGCGGAACGCGCCGAACAGGATTTGTCGCCTAAGG CTATGATTTTTTGGGTGCTGGCGATGATGTTTGTTTTAGGCGTGTCGTTTTACCACTTTA TCGGCGATTCGCACATTACGGGCGGCATGGCTTGGCTTTTGGTGGTCGTTTGCACGCTTT TGGCTTCCGTCATCGGCTTTTTGGTCGCCGCCGCCTGCGGTTATATGGCAGGTTTGGTCG GCTCGTCTTCCAGCCCGATTTCCGGCGTGGGCATCGTGTCCGTCGTCGTTATTTCACTGG TTTTGCTGCTGGTAGGCGAATCCGGAGGTTTGTTGGCGGATGAGGCTAACCGCAAATTTT TGCTGGCACTGACTTTGTTTTGCGGCTCGGCAGTAATCTGCGTGGCTTCGATTTCCAATG ACAACCTGCAAGACTTGAAAACCGGCTACCTGCTCAAAGCCACGCCTTGGCGGCAGCAAG TCGCCCTGATTATCGGCTGTATCGTTGGTGCGCTGGTTATTTCGCCCGTGTTGGAACTGC TTTACGAAGCCTACGGCTTTACCGGCGCAATGCCGCGCGAAGGCATGGACGCGCGCAGG CTTTGGCAGCCCCTCAAGCGACTTTGATGACGACCATCGCGTCGGGCATTTTCGCCCACA ACCTTGAATGGGTCTATATCTTTACCGGTATCGTGATTGGAGCAGTATTAATCGTCGTCG TGGGTATTTATCTGCCGCCGTCCGTCAATATGCCCATCGTGGCAGGCGCGGTGTTGGCGG CGGTGTTGAAACACATCATCGGTAAAAAAGCGGAAAACCGCGAAGGCCGTCTGAAAAACG CCGAGCGCATCGGAACCTTGTTCTCCGCCGGCCTGATTGTCGGTGAAAGCCTGATCGGTG TGATTATGGCGTTTATTATTGCCTTCTCCGTGACCAACGGCGGCTCGGATGCGCCGCTCG CGTTGAATCTGCAAAACTGGGATGCCGCCGCTTCTTGGCTGGGTTTGGCGTTCTTCGTTA CCGGGATGTTTTCTTTGCACAGCGCGTACTGAAGGCGGGCAAGTAGGCTGTCGGAAAAA ATGCCGTCTGAAACGTTCAGACGGCATTTTTTATCGGTAAAGCGGAAGGCGGAGCTTTTC GGCTTGCGCCCACGTTTTGCCGGCAAGGTCTTTGGGCGACAGCAGCGGCGCGCTTTGAAG CGGCCAGCCTATGCCGACTGTCGGGTCGTTCCATATTAAAACCTGTTCGGCTTCAGGCTT GTAATAGTCCGTGCATTTATAGACGAACTCGGCTTCATCGCTCAGTACATAGAAGCCGTG TGCGAAACCTTCGGGTACCCACAGTTGGCGTTTGTTTTCTGCGGACAGAATTTCGCCTAC CCATTTGCCGAAAGTGGGGGAGTCTTTACGCATATCGACGGCCACGTCGAATACTTCGCC GACAACCACGCGTACGAGTTTGCCTTGTGTGTTTTCAGTTTGATAGTGCAGGCCGCGCAA TACGCCTTTGCCGGATTTGGAGTGGTTTTCCTGCACGAAGGTGCGTTCGCAGACTTGGGT GGGCTCAAGCAGTTTTACGTCAGGAATGGCGGTATCAATGATGTTCATCTTTTATCTTT CATCTAAAGGCCGTCTGAAAAGTTTCAGACGGCCTCAAACATTATTTTTCAACAGGCGC AGCAAATATTGGCCGTATTGGTTTTTCGCCATCGGGCGCGCCAATTCTTCCAGTTTTTCA ATATTTTGCACGGTTTGGACGAATGAAGCGGCTTCGTGCAGGCTCTCGTGGGTGCCGGTG TCCAGCCACGCGAAACCGCGTCCCAATATTTGAACGGAGGCGAGCCGTCTTCCAAATAC ATCCGGTTGAGGTCGGTAATTTCCAATTCGCCGCGTGCGGACGGTTTGAGCTGTTTGGCG AACTCGACGGCGCGCTTGTCGTAGAAATACAAGCCGGTTACCGCCCAATCGGATTTGGGC CGTTGCGGTTTTTCTTCGATGGAAACGGCGCGGAAGTTTTCGTTAAATTCAACCACGCCG

AAACGTTCGGGGTTTTTGACCTGATAAGCAAACACGGTTGCGCCGTGCGTTTGCGCTGCC GCCTGTTTCAATGTTTGCGTAAACGACTGACCGTAAAAAATATTGTCGCCCAAAACCAAG CAAACATTGTCGTTGCCGATAAATTCTTCGCCGATGATAAATGCCTGTGCCAAGCCGTCC GGACTGGGTTGCACGGCATAACTGATGGAAATGCCGAAATCGCTGCCGTCGCCAAGCAGG CGTTTGAAAGAGGCGTTGTCTTCAGGCGCGGTAATCACCAAAATATCGCGGATTCCCGCC AGCATCAAAACCGACAAGGGGTAATAAATCATCGGTTTGTCGTACACGGGCAGGAGCTGT TTGGATACGCCGCGCGTGATGGGGTAGAGGCGCGTGCCGCTGCCGCCTGCCAGTATGATG CCTTTCATCTTTCTTTCTTTCCTTTGCGATGGGTTTTCAGACGGCATTGCGTCGGGATGC CGTCTGAAAACTATTTTCCAGTACCTAAACGTTCCAAACGATAGCTGCCGTTCAATACAT TTTGCCACCAGGTTTTGTTCTCCAGATACCATTGCACGGTTTTGCGGAGGCCGGACTCGA AGGTTTCCAAAGGCAGCCAAATCCCGCCTGATTTTGGCTGCGTCGACGGCGTAGC GTACGTCATGGCCGGGGCGGTCTTGTACGAAAGTAATCAAATCTTCATAACGCGCCACAC CGGCCGGTTTTTCGGGAGCGAGTTCTTCCAGCAGGGCGCAGATGGTTTTGACGACTTCAA TATTGGCTTTTTCATTGTGGCCGCCGATATTGTAGGTTTCGCCGACAACACCTTCGGTAA CAACCTGATACAGTGCGCGCGCGTGGTCTTCGACAAACAGCCAGTCGCGGATTTGCATAC CGTCGCCGTACACAGGCAGCGGTTTGCCGTCAAGCGCGTTCAGAATCATCAAAGGAATGA GTTTTTCCGGAAAATGGTAAGGACCGTAGTTGTTGGAGCAGTTGGTTACAATGGTCGGCA AGCCGTAAGTACGCAACCACGCGCGGACGAGGTGGTCGCTGGACGCTTTAGAGGCAGAGT AGGGGCTGGACGGCGCTAGGGCGCGGTTTCGGTAAACAAATCGTCCGTGCCGCCTAAAT CGCCATAGACTTCATCGGTGGAAATATGGTGGAAACGGAAGGCTTCGTGCTGTTCAGACG GCATTTGTTGCCAGTAGGCGGGGCTGCTTCAAGCAGATTGAATGTGCCGACGATATTGG TTTGGATAAACTCGCCTGCCGAACCGATAGAGCGGTCGACATGGCTTTCCGCCGCCAAGT GCATCACGGCATCAGGCCGGTATTGCGCGAATACGCGGTCGAGTTCGGCGCGGTCGCAAA TATCCACTTGTTCAAAAGCATAGCGAGGATTATCGGCTACCTCAGTCAAAGATTCCAAAT TGCCGGCATAAGTCAGCTTATCGACATTGACGACAGCGTCCCGGGTGTTTCGGATAATAT GACGGACAACGGCAGAACCGATAAAGCCCGCGCCGCCGCTAACAAGGATTTTTCTCATAA GATAAAGAGGCCGTCTGAAAACATCTCTTTCAGACGGCCTGTATCAGGTCAACTTAATCG TCGTAGCCATTCGGATTATTACTCACCCAGCGCCATGAGTCTTCCATCATTTGGGTTAAA TCACGCTGGGTTTGCCAGCCGATTTGCGCCTTTGTATAGGAAGGGTCGGCATAGAAGCAC GCCAAATCACCGGCACGGCGCGCTTTGACTTCATACGGAATCGTCAAACCCGAAGCTGCT TCAAATGCGCGGATGATTTCCAACACCGAAGAAGCGCGGCCGGAGCCTAAGTTCAGCAAA TGCGTGCCTGCTACATTACTTTTTGCCTGCATAGCCGCGACATGGCCTTCTGCCAAATCC **ATCACATGAATATAGTCACGCATCCCCGTGCCGTCGGGGGTAGGGTAGTCATCGCCAAAT** ACCGCCAATTGCGGCAGTTTGCCTGCCGCCACTTGGCAGATATAAGGCAACAAATTATTC GGGATGCCGTTTGGCTGCTCGCCAATCAAGCCGCTTTCATGCGCGCCCAATCGGATTGAAA TAACGCAACAAAATCATGCTCCAGCGCGGATCGGCTTTTTGAATGTCAGTGAGAATGCGC TCAACCATCGATTCGATGCGCCGTAAGGGCTGGTGGTGTCGCCCGGTGGCATATCCTCG GTATAAGGCACTTTGCCCGGATCGCCATAAACCGTCGCCGAAGAACTGAACACAATGCTA AACACGCCCGCACGCCCATTCTTCCGCCAACACCCAAGCTGCCGGAAACATTATTATCA TAATATTTCATCGGCTCGGCCACACTTTCACCCACCGCTTTCAAGCCGGCAAAATGAATC ACCGAATCAATGCGGTTTTCCGCAAAAATACGGCGCAAAATCTCACGATCGCGGATATCG CCTTGATAAAACGGAATCTCTTGGCCGGTAATCGTTTTCAAGCGTGGCAGGATATTGATG CTGGAATTGCATAGGTTATCCAAAATCACGACTTGATGGCCGCTTTTCAGCAAAGAAACA ACGGTATGCGAGCCGATAAAACCGGTGCCGCCGGTAACGAGAATTTTTTCATAGAATAA **AATACTAAAAATACTTTGATAGATTGATAATAATGGTTGTAAAATCTTAATGAAATAATT ATCCCTGAAGTAGCAGTAGATTTCTTCAGATTTTTTTTGGTTAAGTATATTTGATATCTAA** GGTAAAATACTATAATTTTATTCATATGGTGTAGAATAAGGGAAAATAGTGAAAAAAGT ATTACTAATTGCCAGTTATGACTCGTTCCTTAACTCGGGCTATGCTGTTGCAAAAGAGAT AAAAGATGCTCAAATTGATATTTATATCCACAAAAGTCGAGAAAACATTCTTTCAAATCG TACTTTATTAAGAATATGCATCAATATTATGACGCAGTAATTTTATCGGTTGGAAATGGG TTGTTAAAAAGGTTCTTTAAGCAGAATGCGCAATTAAATATTGCTTCAAGGCCATTGATT ATTACCTTGTTTCCAGGTGTAGTATTCGGTGATCAGGCAAGTATTCTATCTCGTATGGGG GCTGATATTGTTTTATATAATAATAAGCATGATTTTAGAATTGCAGAGGAATATAAGAAA CAATATAAATTAAGTTGTCAAAATATACTTTATGGTTATCCAATTTTTCGCCATGCTTCG AAAGGTTGTCATGGAGAAAATTTACTTTATTGACCAAGTTAAAAATCCCATTTAAAAA GAAGAAAGAATTTATACATTAAAAAAATTGATTGCCTTGGCTGAAAAATACCCTGAGAAA GAATTTACTATTTTGCTAAGGGTTGCAGATAAAGATATTACTGTGCATCAGGATAAACAT TCGTATATAGAGCTGGCAAAGCAGTTTCAGTTGCCGAGTAATTTGACAATAGAGCGAAAA AGTACCGCGCAAGCCTTCCAAGAAATGGGGTATTGTTTATCTTATTCATCTACTATGCTT TTTGAAGCTGAATGTAAGGGTATCCCTGTTGGTGTTGTTGCAGACTTAGGCTTTTCTAAA TCCTATGCAAATCAGCATTTTTTAGGTAGTGGGGTTTTAGTTTATTTTTGATCAAATAGAT TTCACTTCCCCAAAAATAGCAGATCCGGATTGGCTTGATTGCTATGCTACTAAAAAGGTG ATTACAACTGATGAGTTTAATAAGCTATTAAAGCAGGTTGTGCCATTGCAACATGATTAC ACCAATAGTTTTCTCGGCATAAAGCCATGCTCTGACGCTTAAATGCACTAATGCCTTAAA AAAACATTAAAGTCTAACACACTAGACTTATTTACTTCGTAATTAAGTCGTTAAACCGTG ACTAGATAAATCTCTCATATCTTTTATTCAATAATCGCATCAGATTGCAGTATAAATTTA ACGATCACTCATGTTCATATTTATCAGAGCTCGTGCTATAATTATACTAATTTATA AGGAGGAAAAATAAAGAGGGTTATAATGAACGAGAAAAATATAAAACACAGTCAAAACT TTATTACTTCAAAACATAATATAGATAAAATAATGACAAATATAAGATTAAATGAACATG ATAATATETTTGAAATCGGCTCAGGAAAAGGGCATTTTACCCTTGAATTAGTACAGAGGT GTAATTTCGTAACTGCCATTGAAATAGACCATAAATTATGCAAAACTACAGAAAATAAAC

TTGTTGATCACGATAATTTCCAAGTTTTAAACAAGGATATATTGCAGTTTAAATTTCCTA **AAAACCAATCCTATAAAATATTTGGTAATATACCTTATAACATAAGTACGGATATAATAC** CTAAAAGATTATTAAATACAAAACGCTCATTGGCATTATTTTTAATGGCAGAAGTTGATA TTTCTATATTAAGTATGGTTCCAAGAGAATATTTTCATCCTAAACCTAAAGTGAATAGCT CACTTATCAGATTAAATAGAAAAAATCAAGAATATCACACAAAGATAAACAGAAGTATA **ATTATTTCGTTATGAAATGGGTTAACAAAGAATACAAGAAAATATTTACAAAAAATCAAT** TTAACAATTCCTTAAAACATGCAGGAATTGACGATTTAAACAATATTAGCTTTGAACAAT GCATCCCTTAACTTGTTTTTCGTGTACCTATTTTTTGTGAATCGATACCGTCGACCTCGA GGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACGCGCGCTCACTGGCCG TCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAACTTAATCGCCTTGCAG CACATCCCCCTTTCGCCAGGCAAAAAACCGGTTATATTTTTTTGCATTAAATATTTTTTT AGCATATTCAGGAAAGGGGACATGCAATATGTCAAAATGATCTATATATCCTTTAATATT AAGATTATTTCCAATCAAATAACGTTCTAATTTTGTTGGATGATATGAAAATGATTCTAA TAAAGGAGCATATGTTCCAGTCCCTTCATCAATTAAATGAGTCGTAATATTCTTTTTTT TGCAATACTAATCAGATAGGAGTAGTGGCCTGTAAAAGACAGCATATAGAGATGAGCAGG CTGTATAATATTAAGGATTTTTTTGTAACTTCTATAAATATAAAGTAATTTTTTAGGAGT TATATTATTAGGGCTTCTAGGAAGCTCAAATAGATAAATAGATTCAAATAGATTCTTGTT AGCTGATTGATGAACTAACTTAGGCATTTTTAAGTTTTTAGAAGTATATAAAATTACTAG TAAATTATTGGTTAATTTTGTATTTTAATTAGGCTTTGGACTTGGTTAAGCTGACCTAA ATTAGATATGACAAATAAATTGTTACGTGGGGGGGTAAGATAAAATGGAGATGTTGTCAA CATTATTGTATCTCTTAAAAATTAATGAGAATTAGCTATATGTAATAGCCAATCCTCTGT TTGCGAATATTGCAAGCAGCGACCTTACCAAATAATGTTTCATATTCGTTGACGCTGAAG TCTCCATTGCCTGGGCGTTTAACCCATAGGTTATCTCCGGACAACAGTTCTCCTTTTTTA ATGTCTTTATCTGCTACGACAGATGCAAAGGCGAAATCTTTAGTTGGCTTTTCTCCCGCG TCTTTAAAAGTATCCGGATTCATAGAGCATACAATATCCGGACCTGGGCGATCCATGCGG TTATCTAAGGTATGGTCAGACAGGCCAATGATTGCGTCTGGAAAGGCTTCAGATAAATCG TTCATACCACCCAATCGAACATCTTCGTAAGGGGTTGGGTAGATGTTGGTACAGTGAAGC AAAGCATAAGGTACCCCTGCTTCTCGAATAATTTCTACCGACTTTTTGATGCTTTCAATA GGGTAGTTATTACATTCGCCAGAGCCGATTTTATATGCTGGAATATCCATACGTTGTAAT CGTAAAGCAGCTGCACGAGAGAAAGGAGTACTGATAAAAATCATACCCTTACTCTCTACG TATTCTTTTAATTTAATCTCATCTTCTTCATTCAGGGCGCAACGTTCCATAATTTCATAA ATAGAGACATCTGCATTGCCTGGAATGACTTGTTTTGGCCTCATCAGACATTTCGTCTTCA ACGATGTGTTTGATGTTTAACAACTTCAGCGCCTGCATTATAGGCAGCATCAACCATT TCAAAAGCTGTTTTTAAAGAGCCTTCATGATTGATGCCGATTTCACAGATAATCAATGGT TCGTGGTTGTAACCTACTGAACGATTACCAATTTTAAATTCGTTGTTGTTTTTGCATTTAG CTTTCCTTGTGATTAAGAATGTTTTCTGCCTGTTGTAAATCAAGCTCAGTATCAATATCG ATAGAGTCTTGATGAGACATAATATAAAGTTTGGTTGGGGGGGATAAAAAAACAATTATTT GCAATTAGTGAAGCAGTATCATTAATGTAAATTGCACCATTAGGCCTAAATGCCTGAGGT AATTGTTGGCGAGGCTGCTCCAAATCGCTTAGATGGCGCATGGGGGGCATATTCGCCATTA TTGATTTGAAGCAGGGTTTTTAGTGGATGATGCTCCATTGGGCATGCAGAGACAACGGAT CCTTTTATTTCTCATCAAATAGAGAAAAAGCTTCACGAATATGAGCCCCTGTGCGTAAT GGACTGGTTGGTAATAGGGTTACTGTGCCGGAATTACTGCCAATTGTTTCTAAAGCA TGTATTACACCTGAAATAGAGCTGGCTGTATCGGAGGCCAGCTCTGCAGGGCGTAGGACG ACTTCGACACCGAAATTTTTAGCTTCTTCTGCAATTAACCCGCCATCAGTCGAAACAATT ATGCGGTCAAAACACTTTGATGATATAGCAGCATTAATTGTATGACCAAGTAATGATATG CCATTCATTTTCCGGAGATTTTTTAATGGCAATCCTTTGGAGTTTTGGCGCGCAAGTATA ACCGCAATATTTTGTTTTTCCATAATTTAAAGATTCAAATCGATAAAACGTTTTTGAGCA GAAACATTCCACGTTTCAGGATTGTTGATTACTTCAGCAAATCTTTCTGTGCTGGTGCGA GTATCTCCGCCATTAAAGGTATCATCTGCTTCAAATTTGCCTAAACTGCATGCTTGTTGA ATCGCATCAAAGATATTTTTAGTTTCATAATCTGTATGAATAATAGATTTTCCCATATGG CGGTTACTTTGGCGTGTACCAACATCAATTGAAGGGACACCGTAGAGAGGGGGCTTCTCTA **ATACCTGCACTTGAGTTGCCGACCATAAATTTAGCATGTTTCAATAAGACTAAAAAATAT** TCAAATCGAATGGAAGGAAATGCAATAAATTTATCAGATTGATATTTTAATAATTCTTGC AGAATACTTTCAGTGCCAGTGTCATTATTAGGGTAGATGCTAATGATATTTTGGCCACTT AATTCTAATGCTTTGAAATATTGGGCCGCATATTGTGGCATTAAATGTGCTTCTGTAGTC ACGGGGTGAAACATAGAAATACCATAATTTTCGTATGGTAAACCGTAATATTCTTTGACT TCTTCTAAGGATGGGAGGGTGGAAGAGGCCATAACATCTAAATCGGGGGAGCCGATGATG TGAATATGCTTTCTTTTTTCTCCCATTTGCACTAGGCGAGTGACAGCTTGTTCATTTGCT **ACCAAGTGGATATGAGAAAGTTTACTAATAGAATGACGAATGGAGTCATCTACTGTACCA** GATAGTTCACCACCTTCGATATGGCAAACTAAACGGCTGCTTAATGCACCTACAGCTGCG CCTGCTAGTGCTTCTAAACGGTCGCCGTGAATCATGACCATATCAGGTTCAATTTCATCA GATAGACGAGAGATAAACGTAATGGTATTGCCTAAAACGGCACCCATTGGTTCACCTTGG **ATTTGATTTGAAAACAGATATGTATGTTGATAGTTTTCTCGAGTTACTTCCTTGTAGGTT** CTGCCATATGTTTTCATCATATGCATACCAGTTACAATCAAATGCAATTCAAGGTCTGGG TGATTTTCAATATAGGCTAATAAAGGTTTTAGCTTGCCGAAGTCGGCTCTGGTACCTGTA **ATGCAAAGAATTCTTTTCATGATTTTAGAATCTATAAGTATAAGTATAAGGAAGTTGG** TTAGGCCATTTATAATTATATTAGGATTTGGCTTGTGTTTAAAGTGAAATTTTATATTCG

Appendix A

TCACGCAGTATTATTGTGTGGAAGTTTAATTGTAGGATGCTCTGCGATTCCTTCATC AGGCCCCAGCGCAAAAAAAATTGTCTCTTTAGGGCAACAATCTGAAGTTCAAATTCCTGA **AGTGGAGCTGATTGATGTGAATCATACGGTTGCTCAGTTATTATAAAGGCTCAGATAAA** TCAGTCATTCACTCAGTTTGGCGATGGTTATGCTTCGGCTGGTACGCTAAATATTGGTGA TGTATTGGATATTATGATTTGGGAAGCGCCGCCGGCAGTATTGTTTGGTGGTGGCCTTTC ${\tt TTCGATGGGCTCGGGTAGTGCGCATCAAACTAAGTTGCCAGAGCAGTTGGTCACGGCACG}$ TGGTACGGTTTCTGTGCCGTTTGTTGGCGATATTTCGGTGGTCGGTAAAACGCCTGGTCA GGTTCAGGAAATTATTAAAGGCCGCCTGAAAAAAATGGCCAATCAGCCACAAGTGATGGT GCGTTTGGTGCAGAATAATGCGGCGAATGTGTCGGTGATTCGTGCTGGGAATAGTGTGCG TATGCCGCTGACGGCAGCCGGTGAGCGTGTGTTGGATGCGGTGGCTGCGGTAGGTGGTTC AACGGCAAATGTGCAGGATACGAATGTGCAGCTGACACGTGGCAATGTAGTACGAACTGT TGCCTTGGAAGATTTAGTTGCAAATCCGCGACAAAATATTTTGCTGCGTCGCGGTGATGT GGTTACCATGATTACCAATCCCTATACCTTTACGTCTATGGGTGCGGTGGGGAGAACACA AGAAATCGGTTTTTCAGCCAGAGGCTTATCGCTTTCTGAAGCCATTGGCCGTATGGGCGG TTTGCAAGATCGCCGTTCTGATGCGCGTGGTGTTTTGTGTTCCGCTATACGCCATTGGT GGAATTGCCGGCAGAACGTCAGGATAAATGGATTGCTCAAGGTTATGGCAGTGAGGCAGA GATTCCAACGGTATATCGTGTGAATATGGCTGATGCGCATTCGCTATTTTCTATGCAGCG CTTTCCTGTGAAGAATAAAGATGTATTGTATGTGTCGAATGCGCCGTTGGCTGAAGTGCA GAAATTTTTGTCGTTTGTGTTCTCGCCGGTTACCAGTGGCGCGAACAGTATTAATAATTT AACTAATTAATGTGAGTAATTAAGATGTCTGAGCAACTTCCTGTGGCAGTTGCCACTGAA **ACCAAAGCCGAGCGTAAAAAGCCGAAAAAGAAAGTTGGATTAAAAAGCTAAGCCCTTTA** TTTTGGGTAACGGTGATTATCCCTACGGTAATTTCGTTGGTGTATTTCGGCTTCTTCGCT TCCGATCGTTTTACGTCGCAATCGAGCTTTGTGGTGCGCTCGCCTAAAAGCCAATCTTCT CTCAATGGCCTGGGTGCCATTTTGCAGGGCACAGGTTTTGCCCGTGCGCAAGATGATATT TACACGGTTGGGGAGTATATGCGTTCGCGCTCGTCTTTGGATGAACTGCGTAAAATCTTG CCGGTGCGTGAGTTTTATGAAACCAAAGGTGATGCGTTCAGCCGCTTTAATGGGTTTGGG TTCCGTGGCGAGGAAGAGGCTTTTTATCAATACTATAAAAATCAGGTGATGATCAATTTT GATACGGTTTCGGGTATTTCCACGTTGAATGTAACTTCCTTTGATGCGCTGGAATCTAAG AAAATCAATGAGGCTTTGTTAAAACAAGGTGAAGCATTGATTAACCAGTTGAACGATCGT GCACGTGCTGATACGGTGCGCTATGCGGAAGAAGTAGTGAAAACGGCGGCAGAGCGGGTA AAGGAAGCCTCTCAGAATCTGACGGATTACCGGATTGCCAATGGCGTTTTTGATTTGAAA CAAACCCAGCTGGATCAGGTGAAAGCAGTCACTCCGGAGAATCCGCAGATTCCGGGTTTG CAGGCGCGTGAGCAGAGCTTGCGTAAAGAAATTGACCAACAGTTACGTGCCATTTCGGGC **GGTGGGCATTCTTCGTTGTCTAATCAGGCTGCCGAATATCAGCGTGTGTATTTGGAAAAC** CAGTTGGCAGAGCAGCAGTTGGCAGCCGCCATGACTTCTTTGGAAAGTGCCAAGGTTGAA GCAGACCGTCAGCAGCTTTATTTGGAAGTGATCTCGCAACCGAGCCTGCCGGATTTGGCA CATGAGCCTAAACGGTTATACAACATTGTTGCCACTCTGATTATCGGCTTGATGGTTTAT GGTATTTTGAGCCTGTTGACTGCCAGCATTCGTGAGCATAAAAACTGATGAAAGCCTTGC ATAAACATCATTTTGGGAATCTTTAGCCATTCAAAGGCGCGTAATCGGTGCGCTGTTGA AGCCGTTGCTGATGACATTCGTTATCGTCTTGATGTGGAAATTTTTAAGGGCAGACCGAT **ATTCAACTTTGAATATTGTCGCATTTGCGATTACTGGCTATCCGATGTTGATGATGTGGC** GCAATGTAAGAGTTTTGGATACCATCTTGGCGCGCATGATTTTGGAAATTGCTGGTGCAA CCATTGCGCAGATTGTGATTATGGCGGTATTGATTGCGATTGGCTGGATTGAAATGCCGG CAGATATGTTTTATATGCTGATGGCTTGGCTTTTGATGGCTTTTTTTGCGATTGGTTTGG GTTTGGTGATTTGTTCGATTGCCTTTAATTTCGAGCCGTTTGGCAAGATTTGGGGCACAT TGACTTTTGTGATGATGCCGTTATCCGGTGCGTTCTTTTTTGTGCATAATTTGCCGCCCA AGGTACAAGAATATGCATTAATGATTCCGATGGTGCATGGCACAGAAATGTTCCGTGCCG GATATTTTGGCAGCGATGTAATTACCTATGAAAATCCTTGGTATATCGTATTGTGCAATC TGGTGTTGTTGTTTGGCTTGGCGATGGTCAGTAAATTCAGTAAAGGAGTCGAGCCGC AATGATTTCAGTTGAACACGTTTCCAAACGCTATCTGACCCGCCAAGGTTGGCGGACAGT CTTGCACGATATTAGCTTCAAAATGGAGAAGGGCGAGAAAATCGGTATTCTCGGCCGCAA CGGTGCAGGTAAATCGACGCTCATCCGTTTGATCAGTGGCGTTGAGCCGCCGACCACGGG TGAAATCAAGCGGACAATGAGTATTTCTTGGCCTTTGGCATTCTCCGGTGCGTTTCAAGG CAGTCTGACCGGTATGGACAATTTGCGTTTCATCTGCCGGATTTACAATGTCGATATCGA TTATGTGAAAGCGTTTACGGAAGAATTTTCGGAGCTGGGGCAATATTTGTATGAGCCGGT GAAACGCTATTCTTCAGGTATGAAAGCGCGTTTGGCTTTTTGCGCTGTCGTTGGCGGTGGA GTTTGACTGTTACCTGATTGACGAAGTGATTGCAGTTGGTGACTCGCGTTTTGCCGATAA **ATGTAAGTACGAGTTGTTTGAAAAGCGCAAAGACCGTTCCATCATCTTGGTGTCGCACAG** CCACAGCGCCATGAAGCAATATTGCGATAATGCGATGGTGCTGGAAAAAGGGCATATGTA CCAGTTTGAAGATATGGACAAAGCCTACGAATATTATAATTCGCTGCCTTAAAGCGATTG TTTTTAAATCAGGCCGTCTGAAATTTCAGACGGCCTGTCCGTTGGAATTCTATTGATGAA CATTACTCAAATTCTTTCCCAAGAACTCTCCGCGACTGCCGCGCAAATCACCGCCGCCGT CGAGCTTTTGGACGACGGCGCGACCGTGCCGTTTATCGCCCGCTACCGCAAGGAAGCGAC GGGCGGGTTGGACGATACGCAGTTGCGCCGGCTTGCCGAGCGGCTGCAATATCTGCGCGA GTTGGAAGAGCGCAAAGCCGTTGTTTTAAAAAGCATTGAAGAGCAAGGCAAGCTTTCAGA CGACCTCAGGGCGCAAATCGAAGCCGCCGATAACAAAACCGCGCTGGAAGACCTGTATCT GCTGGCGGACGTGTTGCCTGCCGAGCAGTCGCAGGACGTGGAAGCCGCCGCACAAGGCTA GGAGCAGTTTGCCGAAGACGCGGAACTTATCGGCACGCTGCGCGACAAGCTGTGGAACGA AGCCGAAATCCACGCGCAAGTCGTTGAAGGCAAAGAAACCGAAGGCGAAAAATTCAGCGA TTATTTCGACCACCGCGAACCCGTCCGCACTATGCCCAGCCACCGCGCGCTGGCGGTTTT

GCGCGGCCGCAACGAAGGCGTGTTGAACATCGCGCTCAAATACCAGCCCGACGACACGCC GATTACCCGGCAAAGCGAATACGAGCAAATCATCGCCTGCCGCTTCAAGGTTTCAGACGG CCACAAATGGCTGCGCGATACCGTGCGTCTGACTTGGCGCGCGAAAATCTTTTTGTCGTT GGAACTTGAAGCCCTAGGCCGTCTGAAAGAAGCCGCCGACACCGACGCGATTACCGTGTT CGCCCGCAATCTCAAAGACTTGCTGCTCGCGCCCGCCGGACGGCTGACCACGCTGGG TCTCGACCCCGGCTACCGCAACGGCGTGAAATGCGCCGTGGTGGACGACACCGGCAAGCT GCTGGATACCGTCATCGTCTATTTGCATCAAGAAAACAATATGTTGGCAACGCTGTCGCG CCTGATTAAGCAACACGGCGTGAAGCTCATCGCCATCGGCAACGGCACCGCCAGCCGCGA AACCGACAAAATCGCGGGCGAACTGGTGCGCGGAATGCCGGAAATGGGGCTGCACAAAAT CCCCGACTTGGACGTTTCCCTGCGCGCGCGCGCTGTCCATCGCCCGCAGGCTGCAAGACCC GCTTGCCGAGTTGGTCAAAATCGACCCTAAATCCATCGGCGTGGGCCAGTATCAGCACGA TGTGAACCAAAACCAGCTCGCCAAATCGCTGGACGCAGTGGTCGAAGACTGCGTGAACGC CGTCGGCGTGGACGTGAATACCGCCTCCGCCCCGCTCTTGGCGCGGATTTCCGGCTTGAA TCAAACCCTTGCCCAAAACATCGTTGCCTACCGCGATGAAAACGGCGCGTTCGACAGCCG CAAAAAATTGCTGAAAGTACCGCGTTTGGGCGAAAAAACCTTCGAGCAGGCGGCAGGCTT TTTGCGGATTAACGGCGGTAAAGAGCCGTTGGACGCGAGCGCCGTCCACCCCGAAGCCTA TCCCGTCGTCGCCAAAATGCTGGCGCAACAAGGCATTAGCGCCGCCGAACTCATCGGCAA CCGCGAGCGCGTGAAGCAAATCAAAGCGTCCGACTTCACCGACGAACGCTTCGGCCTGCC GACCATTTTGGACATCCTGTCCGAACTGGAAAAACCCGGCCGTGATCCGCGCGGCGAGTT TCAGACGGCATCGTTTGCCGAAGGTATCCACGAAATCAGCGACTTGCAAGTCGGTATGAT ACTCGAAGGCGTGGTTTCCAACGTCGCCAACTTCGGCGCGTTCGTGGACATCGGCGTCCA TCAGGACGGCTTGGTGCACATCTCCGCCCTGTCCAACAAGTTCGTCCAAGACCCGCGCGA **AGTGGTGAAAGCTGGCGACGTGGTGAAAGTGAAAGTGCTGGAAGTCGATGCTGCACGCAA** ACGCATCGCGCTGACCATGCGCTTGGATGACGAACCGGGCGCGCAAAACATAAAATGCC GTCTGAAAACCGCAGCCGCGAACGGACAGCCGGCCGCAAACCCCAACGCAACGACCGCGC CCCAGCCAATTCGGCGATGGCGGTGCGTTTGCGAAGCTGAAGCGGTAAAATAATCGAAG AGTTTATGGATTTTGACTTATGCACACACCACTTACCTATATTGACCTTTTCTCAGGAGC AGGAGGCCTATCCTTGGGTTTTGAACAAGCCGGATTCCAACAATTGCTTTCTGTTGAAAT GGAGTCTGATTATTGTCAGACTTACCGTACCAACTTCCCCCATCATCAATTACTGCAAAA AGATTTAACCACACTAACCGAACAAGATTTAATCAATTGTCTTAACGGACAAGCAGTTGA ATTTACAGATGACCCACGCAACCATTTATTTAAAGAGTTTGTCCGAATAGTTAAAATTGT CCAACCATATTTTTTTTTTTGTTATGGAAAATGTAGCGCGACTCTATACACACAATTCAGGTAA **AACACGTATTGAGATTATTCAAGCATTTCAGAATATCGGTTATTCGGTGGAATGTAAGAT** ACTGAGTGCAGCCGATTTCGGTGTTCCTCAGATACGTAGCCGAGTGATATTTATCGGGAG GAGGGATAAAGGCAAAATTTCCTTTCCCGAACCTTTGCAGATTTCCCATCAGACTGTTGG ATCAGCAATAGGACATTTTCCAAAACTGGCTGCTGGCGAAAGCAATCCACACGTTGCAAA TCATGAAGCTATGAATCATTCGGCACAAATGTTAGAAAAATGGCATTTGTTAAAAATGG AGGTAACCGTAACGATATTCCTGAACCATTACGTCCGAAAACAGGTGATATCCGTAAATA CATCCGTTACAACAGCAACAAAACCAGCCGTTTGTATTACAGGAGATATGCGCAAAGTTT TTCACTATGAACAGAATCGGGCGTTAACCGTTCGTGAATTAGCTGCCTTACAATCTTTCC CTGATAATTTTATTTTTGCGGCAGCAAAATTGCCCAGCAGCAGCAGGTTGGTAACGCCG TACCGCCTTTATTGGCAAAAGCTATTGCTGAAAGTATTTTAAAAATGAGTGAAAATGAAT AAGCAATATCCGAAAATTAACTATATCGGTAATAAAGAGAAAATAGCTTCCTGGATTTGT GACCAGCTTCCGTCTGATGTAGATACAGTTGCAGATGTATTTAGTGGAGGCTGTTCCTTT GCCTACGAAGCCAAAAAACGCGGCTATCGTGTGATTACTAACGATATTTTGGCAATTAAT TACCAAATTGCTTTAGCATTAATAGAAAACAACCATGAAACATTAAATGACGATGATGTC GCAATGATTTTTTCAGGCAGCCCGCATGCCGGTTTTATGAGTCAGCGTTATGCCGAAAAA TTCTATTTTCACGATGAATACCAACAACTTGATTTGTAACGTAAAAATATAGGGAAACTG GATAACCAGTATAAACGCGCTTTGGCGTTTACTTTAATGCGTCGCGCCATGATACGTAAA ATGCCCTATACGGAAGATATGCGCCCAGGCGATACCGCTAATCCTTATGGTGCGTCCAAA GCGATGGTGGAACGGATGTTAACCGACATCCAAAAAGCCGATCCGCGCTGGAGCATGATT TTGTTGCGTTATTTCAATCCGATTGGCGCGCATGAAAGCGGCTTGATTGGCGAGCAGCCA CAATTGGCGGTATTTGGCGATGACTACCCCCGACGGCACGGGGATGCGTGACTAT ATTCATGTGATGGATTTGGCAGAAGGCCATGTCGCGGCTATGCAGGCAAAAAGTAATGTA GCAGGCACGCATTTGCTGAACTTAGGCTCCGGCCGCGCTTCTTCGGTGTTGGAAATCATC CGCGCATTTGAAGCAGCTTCGGGTTTGACGATTCCGTATGAAGTCAAACCGCGCCGTGCC GGTGATTTGGCGTGCTTCTATGCCGACCCTTCCTATACAAAGGCGCAAATCGGCTGGCAA ACCCAGCGTGATTTAACCCAAATGATGGAAGACTCATGGCGCTGGGTGAGTAATAATCCG AATGGCTACGACGATTAAGTTGACCTGATACAGGCCGTCTGAAAGAGATGTTTTCAGACG GCCTCTTTATCTGAAAAACACACATTCTGTCTGCTATAATCTGTTTATATTTTTTTGGCTA TCCTCTGAAATTTATGAGAAAAATCCTTGTTACCGGCGGCGCGGGCTTTATCGGTTCTGC CGTTGTCCGTCATATTATCCGAAACACCCGGGACGCTGTCGTCAATGTCGATAAGCTGAC TTATGCCGGCAATTTGGAATCTTTGACTGAGGTAGCCGATAATCCTCGCTATGCTTTTGA ACAAGTGGATATTTGCGACCGCGCGAACTCGACCGCGTATTCGCGCAATACCGGCCTGA TGCCGTGATGCACTTGGCGGCGGAAAGCCATGTCGACCGCTCTATCGGTTCGGCAGGCGA GTTTATCCAAACCAATATCGTCGGCACATTCAATCTGCTTGAAGCAGCCCGCGCCTACTG GCAACAAATGCCGTCTGAACAGCACGAAGCCTTCCGTTTCCACCATATTTCCACCGATGA AGTCTATGGCGATTTAGGCGGCACGGACGATTTGTTTACCGAAACCGCGCCCTACGCGCC GTCCAGCCCCTACTCTGCCTCTAAAGCGTCCAGCGACCACCTCGTCCGCGCGTGGTTGCG TACTTACGGCTTGCCGACCATTGTAACCAACTGCTCCAACAACTACGGTCCTTACCATTT TCCGGAAAAACTCATTCCTTTGATGATTCTGAACGCGCTTGACGGCAAACCGCTGCCTGT

GTATCAGGTTGTTACCGAAGGTGTTGTCGGCGAAACCTACAATATCGGCGGCCACAATGA AAAAGCCAATATTGAAGTCGTCAAAACCATCTGCGCCCTGCTGGAAGAACTCGCTCCCGA AAAACCGGCCGGTGTGGCGCGTTATGAAGATTTGATTACTTTCGTACAAGACCGCCCCGG TTTGGAAACCTTCGAGTCCGGCCTCCGCAAAACCGTGCAATGGTATCTGGACAACAAAAC CTGGTGGCAAAATGTATTGAACGGCAGCTATCGTTTGGAACGTTTAGGTACTGGAAAATA AAGATGAAAGGCATCATACTGGCAGGCGGCAGCGGCACGCGCCTCTACCCCATCACGCGC GGCGTATCCAAACAGCTCCTGCCCGTGTACGACAAACCGATGATTTATTACCCCTTGTCG GTTTTGATGCTGGCGGGAATCCGCGATATTTTGGTGATTACCGCGCCTGAAGACAACGCC TCTTTCAAACGCCTGCTTGGCGACGGCGATTTCGGCATTTCCATCAGTTATGCCGTG CAACCCAGTCCGGACGCCTTGGCACAGGCATTTATCATCGGCGAAGAATTTATCGGCAAC GACAATGTTTGCTTGGTTTTGGGCGACAATATTTTTTACGGTCAGTCGTTTACGCAAACA TTGAAACAGGCGGCAGCGCAAACGCACGGCGCAACCGTGTTTGCTTATCAGGTCAAAAAC CCCGAACGTTTCGGCGTGGTTGAATTTAACGAAAACTTCCGCGCCGTTTCCATCGAAGAA AAACCGCAACGGCCCAAATCCGATTGGGCGGTAACCGGCTTGTATTTCTACGACAACCGC GCCGTCGAGTTCGCCAAACAGCTCAAACCGTCCGCACGCGGCGAATTGGAAATTACCGAC CTCAACCGGATGTATTTGGAAGACGGCTCGCTCTCCGTTCAAATATTGGGACGCGGTTTC GCGTGGCTGGACACCGGCACCCACGAGGCCTGCACGAAGCCGCTTCATTCGTCCAAACC GTGCAAAATATCCAAAACCTGCACATCGCCTGCCTCGAAGAAATCGCTTGGCGCAACGGT TGGCTTTCCGATGAAAAACTGGAAGAATTGGCGCGCCCGATGGCGAAAAACCAATACGGC CAATATTTGCTGCGCCTGTTGAAAAAATAATGTTTGAGGCCGTCTGAAACTTTTCAGACG GCCTTTAGATGAAAGATAAAAAGATGAACATCATTGATACCGCCATTCCTGACGTAAAAC TGCTTGAGCCCCAAGTCTTCGGCGACGCGCGCGCTTTTTTATGGAAACCTTCCGCGACG **AGTGGTTTAAAACCCAAGTCTGCGAACGCACCTTCGTGCAGGAAAACCACTCCAAATCCG** GCAAAGGCGTATTGCGCGGCCTGCACTATCAAACTGAAAACACACAAGGCAAACTCGTAC GCGTGGTTGTCGGCGAAGTATTCGACGTGGCCGTCGATATGCGTAAAGACTCCCCCACTT **AAGGTTTCGCACACGGCTTCTATGTACTGAGCGATGAAGCCGAGTTCGTCTATAAATGCA** CAGACTATTACAACCCCAAAGCCGAACACTCGCTGATTTGGAATGATCCGACCGTCGGCA TGTCTGAAGCGGTAACGTTTTAAAAATAATTCAGGCCGTCTGAAAGAATGTTCCTCTTTT CAGACGGCCTACAATCCATTAATAACAATAATCGACGAAAACGCATTGTGAAAAACGCCT ACATCCCCTCTCGCGGCATCCGCAAAATCCCCCATCTCTCCACCCTATTGCCTGAATTTC ATATCTGCAAAGACGGGAAAGAAGCAGAGGCTGTTGTCGGCTGGGGTTTGCGCCCGACGA CACACAAAGCGCGTGCTTTTGCCGCTGAACACCAGCTTCCCTTTATTGCTTTGGAAGACG GCTTTTTACGATCGCTCGGACTGGGTGTCGCCGGTTATCCGCCCTACTCTATCGTCTATG ACGACATCGGCATCTACTACGACACCACACGTCCTTCGCGTTTGGAACAACTGATTCTTG CCGCCGATACCATGCCGTCTGAAACCTTGGCTCAGGCGCAGCAGGCGATGGATTTCATCC TGCAACACCACCTGTCCAAATACAACCACGCGCCCGAACTTTCAGACGACCATCCTTTAC GTTCCCCATCCAAACCGAAACCGTCCTCATCATCGACCAAACCTTCGGCGATATGGCCA TCCAATATGGCGGCGCAGACGCCTCTACGTTTGAACTGATGTTTCAGACGGCCTTAAATG AAAACCCGCAAGCCGATATCTGGGTAAAAACCCATCCCGATGTTTTGTGCGGCAAAAAAC AAGGCTATCTGACCCAACTGGCGCAGCAACACCGCGTCCATCTTTTGGCAGAAGACATCA ATCCGATTTCTTTGTTGCAAAACGTTGATAAAGTTTATTGCGTTACCTCGCAAATGGGTT TTGAGGCGCTTTTGTGCGGCAAACCGCTGACCACTTTCGGCCTGCCGTGGTATGCCGGAT GGGGTGTAAGCGACGGCCATCCTGAAATCAACCGCCTTGTTCAAACCCAACGCCGCG CCACCGCAACTTGCTGCAGCTCTTCGCCGCAGCCTATCTGCAATACAGCCGCTACCTCA ACCCCAATACCGGCGAAGCAGCCAGCCTCTTTGATGTCATCGACTATCTGGCGACGGTCA AACGTAAAAACGACAAATTGCGTGGCGAGTTATATTGCGTCGGTATGTCTTTGTGGAAAC GCGCGGTTGCCAAACCGTTCTTTAACGTACCCTCTTGCCGTCTGAAATTTATCTCTTCCA CCCAAAAACTGGCAAGGGTCAAACTGTCCGACGATGCACGCATCCTGGCTTGGGGCAACG GCAAAGAGGCCATCGTCCGCTTTGCCGAACAACACCACATCCCCCTGCTGCGCATGGAAG ACGGCTTTATCCGCTCGGTCGGACTCGGCTCCAACTTAGTGCCGCCGCTGTCGCTCGTTA CCGACGATATGAGCATTTATTTCAATGCCGAAACCCCGTCCCGTCTTGAATACATCCTAC AAAACCAAAACTTCGACGATCAAGACTTTCAGACGGCCTTGAAGCTGCAAAAAATGCTGA CCGAAAACCACATCAGTAAATACAACGTCGGCAGCTCAGACTTCACCGCCCCGTCAACCG ACAAAACCGTGATCCTCGTTCCCGGCCAGGTTGAAGATGATGCGTCTATCCGCTACGGTT CCTATATCATCTACAAACCGCATCCCGATGTAGTCAGCGGTAACCGCATCGGCCATATTT CCCCTGAAGATGCTGCACGATATGCCGACCAAACCGCCGAACAAGCCGACATCCTGACCT GTCTCCAATACGCAGACGAAATACATACCATGACTTCGCTGACCGGTTTTGAAGCCTTGT TGCGCGGCAAAAAAGTCAGCTGCTACGGCCTGCCTTTTTACGCAGGCTGGGGGCTTACCC AAGATCTGCTCCCCATCCCGCGCCGTAGCCGCAGACTTGAGCTTTGGCAGCTGATTGCCG GCACGCTCATCCACTATCCCGACTACATCCACCCGAAACCCATCAGGCCATAAATGCAG ATCGCGGGTGCTTTGCCAAAAATTAGGTAAAATCAAACAACTATATCGATCTTTCAAAT AAATACCATCAAAGTTAACGATGCGTCATAAACTTGCCTCTATTGCGGCATCATTGCCTT TGCATCGTTAATTCTCTTGGCGTATGCTTGAAAGTTCAACCTAAAACTATTACATAAAAA ACAAAACCACATTGCAACATGAAACAGACCGTCCTCAAAAATAACCTGCAAAACCTGCTT GAAAGCGCAGAAAATATCCTGCTGCTTCAAGGCCCTGTCGGCGATTTTTTTCTGCGCCTT GCCGACTGGCTGACTGCAAAACGGCAAAACCGTACATAAATTCAACTTTAATGCAGGCGAC GACTATTTTTATCCGCCCACTCAAGCGCATACCGTTGTTTTTAACGACAACTACGATGCC TTTCCTGAGTTTTTGCAAGAATACATCACTCAACATCACATCCAGGCCGTTGTCTGCTTT GGCGACACGCCCTTATCACGTCATTGCAAAACGCATTGCAAACGAAAACCAAGCCAGT

TTCTGGGCGTTTGAAGAAGGCTATTTCCGCCCCTACTACATCACCTTAGAAAAAGACGGC GTCAACGCATTTTCCCCGTTGCCGCGCCGTGCCGACTTTTTTCTTGAACAATTCCCTAAG CTTGCCCAGCAAGAATATAAAGCGCCAACGCCGGTACACGGCGGTTTTACGCCCATGGCA AAAAACGCTATCCGTTACTATATCGAGTTGTTCCGCAATCCACGCAAATACCCCGACTAC ATCCACCACCGCGCACCCAATGCCGGCCATTACCTCAAACCGTGGTCGCTCTCCATCCTC AAGCGTTTGAACTACTATATTGAAGACATCCAAATCGCCAAACGTGTGGAAGCAGGCAAA TACGGCAAGTTTTTTATTGTTCCCTTACAGGTATTCAACGACAGCCAAGTCCGTATCCAT TGCGACTTTCCCAGCGTCCGCAGCTTCCTGCTCCATGTTTTGAGTTCATTTGCCGAGCAC GCGCCTGCCGATACCAACATCATCATCAAGCATCATCCGATGGACCGCGGTTTTATCGAC TACTGGCGCGACATTAAACGCTTTATCAAAGAACACCCCGAACTCAAAGGCCGTGTGATT TATGTCCATGATGTCCCCCTGCCCGTTTTCCTGCGCCACGGTCTCGGCATGGTCACCATC AACAGCACCAGCGGCCTGTCCGGACTGATTCACAATATGCCAGTTAAGGTTCTCGGCCGT GCCTATTATGATATTCCCGGCATTACTGACCAAAATACCTTGGCAGAATTTTGGAATCAT CCGACACCGCCTGACAAAGAGCTGTTCCATGCCTACCGAATGTACCACCTCAACGTGACC CAAATTAACGGCAACTTCTACAGTCAGGTGTTTTTCCCCAACAAAAAAACCTCCAACTCT TCCACACCAGTAATCTGACTTAGCGAAGGAAGTTCAGGCCGTCTGAAAACATTTCAGACG ATCATTAACAATAAATTACAAAAACAGTATAATGACCGAGCTGCCATGAGCGCATACCGA CTCAACCTGAGCCCTTTGTAACACACAAAATATGGATATATCCCTAGGCAAAACAATATA ACAAGCCAAACATCCTAAAGATAAGCCGGCAAGGCAATACACTCTATAAAACTATGCCGA GCAAAATTTTTACAAAGCCCTCAACCGGTATCGCCGCCCATATGCCGCAGCATCCGTCTT CCACTTTATATCCGCCCGCAAACCATGACCGCCGCTCCTGATATCCTCTACCGGCAAGCC GCCGCCCTTTTGGAACAATCCAATACCGCCCAAGCCCTGCCCCTGTTGCAACAGGCGGCA GAGCAAGGTTATGCGGAAGCTGCTTTCGTATTGGGCAACCATCTGCTGCAAAACGGCCAA CCGGAGCAGGCACTTTCATGGTTGGAAGCCGCCGCGCCCAACGCCATCCCAAAGCACTC TTCTCCCTGCTGCAACAACGCGAACACAACGGCACCCCGACCGGACAGCTTCTCAACGAC TATGCCTGGCTGAGCAGGGGCACTCAGAAGCCCAATTAATCCTCATGCGTTACCAC GCGCAACGCAACGATCCACAATCGCTCTACTGGGCGGAACTTGCTGCCGCCCGATATGCC GCACCTGCGTATTACCATCTGGCACGCCATCATCAACGCCAAGGCGACGTTGAAACAGCC ATCGAACAATACGAAAAAGCGGCAGCACTCGGCGTAACTGCCGCCTGCTGGCAACTTGGT CAAATCTACTTCTACGGTACAGGTGTCAGCCCCAACCACGCACAAGCCGAACACTATCTC GCCCAACGCAAACCTGAAGCCTTGGAATGGTATCGTCGTGCCGCCGATAAGGAACAAGCG GAAGCACAGTCTAAGCTGGCCCAATACGCCCTGACCGGCGAACTTTCCGAACGCGATCCG TTCCAAGCGGCACGATATGCCAAAGCCGCTGCCGAGAAAAACCATCCTGAAGCCCTGAAA ATCATGGGCGACCTCTACCGCTACGGTCTCGGTATCAAAGCCGACAACCATATCGCGCAA GATTACTACCACCGTGCCGCCGCGCTGGGTTCTGCCGCCGCAGCACAAAAACTCATCAGC GACGCCGCGCTGTACCATCCGCAACAATACGAACAATCAAAACTGCCGCCTGCAACAAC AACAAACCGAAACCATCTACCGTTTGGCGGAAGCACAAGCCTGCGCCATCGGCCGTCCCG CCGACTACAATGCCGCGCGAAAAAATTACATGGAAGCTGCCGGGTTCCACCATAAAAACG CAGCGGCAGCCTTAGGCCGCATCTACCATTACGGCCTCGGTACGGCGCAAGATCCTCGGG CGGCTGCACACTGGTACGCCATTGCTGCCGAACAAAACCACCCTTCCGCCCAATACCACC TCGCCTGTTTTTACTATCACGGGCAAGGTGTCGGCTGTCATGTTCCGACCGCCTGCTACT GGCTGCAGGCCGCCATCGGCAACGGCCACACTTCGGCCGAATCATTAATATCCCTATTAG AACAATGGCGACGCGAAGCACCATGCCATCGGACAAAAGGCCGTCTGAAAAGATTTAC ACTCGCATTTTTTGACAATCTTTAACTATTCCCCTAATATTTTGCCAGTTATTTTTCACGG ACACGCCATTGTTTCATTTCTTTCTGAAAACACCTTGTCCGCGCATCAATACCATGACA CTCGGCGGATAACGCCAAGCGTTGAAACACACTACATCCGGAACAAAAACGGATGCTCGG AAAAATATTTCTAGGAGGTGAAACAACATGGAATGGGAATTCAACAGTTATTACACACTG ATTGCCGCCACGCTCGTTGCTGGTTGGTAAATTTCTGGTTCAAAAAATCAAATTCTTA ${\tt CGAGACTTCAATATTCCCGAGCCGGTAGCCGGCGGTTTGATTGCCGCTATCGTCCTGTTC}$ GCCCTGCACGAGGCGTACGGCGTGAGCTTCAAATTTGAGAAACCGCTGCAAAATGCGTTT ATGCTGATTTTTTCACGTCCATCGGCTTGAGCGCGGATTTTTCCCGTTTGAAGGCGGGC GGTTTGCCGCTGGTGGTTTTTACCGCGATTGTGGGCGGATTTATCTTGGTGCAAAACTTT ${\tt GTCGGGGTCGGACTGGCTACGGCTTTGGGTTTGGATCCGCTCATCGGTCTGATTACCGGT}$ TCGGTGTCGCTGACGGGGGCGGACACGGTACGTCAGGTGCGTGGGGACCTAATTTTGAAACG CAATACGGCTTGGTCGGCGCAACCGGTTTGGGTATTGCATCGGCTACTTTCGGGCTGGTG TTCGGCGGCCTGATCGGCGGGCCGGCTTGCGCCGCCTGATCAACAAAATGGGCCGCAAA CCGGTTGAAAACAAAAAACAGGATCAGGACGACGACGGGCGACGTGTTCGAGCAGGCA AAACGCACCCGCCTGATTACGGCGGAATCTGCCGTTGAAACGCTTGCCATGTTTGCCGCG TGTTTGGCGTTTGCCGAGATTATGGACGGCTTCGACAAAGAATATCTGTTCGACCTGCCC AAATTCGTGTGGTGTCTGTTTGGCGGCGTGGTCATCCGCAACATCCTCACTGCCGCATTC AAGGTCAATATGTTCGACCGCGCCATCGATGTTTCGGCAATGCTTCGCTTTTCG TTGGCAATGGCGTTGCTGAATTTGAAACTGTGGGAGCTGACCGGTTTGGCGGGGCCTGTA ACCGTGATTCTTGCCGTACAAACCGTGGTGATGGTTTTGTACGCGACTTTTGTTACCTAT GTCTTTATGGGGCGCGACTATGATGCGGCAGTATTGGCTGCCGGCCATTGCGGTTTCGGC TTGGGTGCAACGCCGACGGCGGTGGCAAATATGCAGTCCGTCACGCATACTTTCGGCGCG TCGCATAAGGCGTTTTTGATTGTGCCTATGGTCGGCGCGTTCTTCGTCGATTTGATTAAT GCCGCGATTCTCACCGGTTTTGTGAATTTCTTTAAAGGCTGATTTTCCGCCTTTCCGACA AAGCACCTGCAAGGTTTACCGCCTGCAGGTGCTTTTGCTATGATAGCCGCTATCGGTCTG CACCGTTTGGAAGGAACATCATGTATCGGAAACTCATTGCGCTGCCGTTTGCCCTGCTGC TTGCCGCTTGCGGCAGGGAAGAACCGCCCAAGGCATTGGAATGCGCCAACCCCGCCGTGT TGCAAGGCATACGCGGCAATATTCAGGAAACGCTCACGCAGGAAGCGCGTTCTTTCGCGC GCGAAGACGCCAGGCAGTTTGTCGATGCCGACAAAATTATCGCCGCCGCCTACGGTTTGG

ATTTGAACATTACCGTGCCGTCTGAAACGCTTGCCGATGCCAAGGCAAACAGCCCCCTGT TGTACGGGGAAACTGCTTTGTCGGATATTGTGCGGCAGAAGACGGGCGGCAATGTCGAGT TTAAAGACGGCGTATTGACGGCAGCCGTCCGCTTCCTGCCCGTCAAAGACGGTCAGACGG CATTTGTCGACAACACGGTCGGTATGGCGGCGCAAACGCTGTCTGCCGCGCTGCTGCCTT ACGGCGTGAAGAGCATCGTGATGATAGACGGCAAGGCGGTGAAAAAAAGAAGACGCGGTCA GGATTTTGAGCGGAAAAGCCCGTGAAGAAGAACCGTCCAAACCCACGCCCGAAGACATTT TGGAACACAATGCCGCCGGCGGCGATGCGGGCGTACCCCAAGCCGCAGAAGGCGCGCCCG AACCGGAAATCCTGCATCCTGACGACGGCGAGCGTGCCGATACCGTTACCGTATCACGGG GCGAAGTGGAAGAGGCGCGCGTACAAAACCAGCGTGCGGAATCCGAAATTACCAAACTTT GGGGAGGACTCGATACCGACGTGCAAAAAGAGTTGGTCGGCGAACAACGCAAGTGGGCGC AATACCTCAAGCTGCAATGCGACACGCGGATGACGCGCGAACGGATACAGTATCTTCGCG GCTATTCCATCGATTAGGGGCAAACCGATGAATACCGTCCCAAAAAGCAGGATTCCCGTC AAACCGCTGCCCGAAAAAACCACAGACGAAGCCAAAGTCGAAAAATGGCGGCAGCTCGGT GCGGAACACGGTTTGTCGGGCGAATGGGCAGTTGCCGTCAGATTGGGCGAAAACGGTTTT ACCGAAGAACAGATGGAAAATATCGCCAACCTGTTCGGCAGATAAAGAGAAAATTGACGG AAATGCCGTCTGAAACCCTGTTATCGGTTTCAGACGGCATTTTGACCAATACGGTACGCA GGCGCAAAACAGCCGGCTTTTCCTGTGTTGCCTATGCTGATGTTTCAACACACAGGACGA TACAAAAAACGTCGCCCTATGTGCCGTCCTGATTCGGAAGGGTTACGCTCCTTCCAAATA TAGTGGATTAACAAAAACCGGTACGGCGTTGTCTCGCCTTAGCTCAAAGAGAACGATTCT CTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATCTGTACTGTCTGCGGCTTCG TTGCCTTGTCCTGATTTTTGTTAATCCACTATAAATCGAGCCTAAAACAATGCCGTCTGA AACGGAAATCTGTTTCAGACGGCATTGTTACATTCAAACGGCGGGCCGTTTATTTGAATT TGTAGGTGTATTGCAGACCGATGATGTCGGCGTGGTTTTTGAAACGTGCGGAAGACGCGC CTTTGCTGTCCACATCGTTGCCGCTTGCCTTCGCCGTGCGGTAGCTGGTGTCGTTGATGT GGATGTGGGTGTAGGCGGCATCGACGACGTGGTTTTTACCGATATGGTATTTCATACCGG CGGAGAACCAGATGCGGTTGCCGTCGGGTAGGCTGTTCATGCGGTAGTCGGCGTTGCGGA CGGGCGATTTGTCAAAAGCGATGCCGGCGCGCAGTTGCAGCGGTTCGCTGATTTGATAAG AACCGCCGAAGCCGACTTTGTAGGTGTTGCGCCAGTTGGGGGTGATGGTGGTGCGGTCGG ATTTGCCTTTGACGACGGTTTTTTCTTTTTCAAAAACCAGTTCCGCCTTATCGAAGCGGC TGTGGCGCGTCCAAGTTACGTCGCCGAACAGGTCGGCTTTATCGGACACTTTGTACATAC CGTGTACGGACAAAGACTCAGGCGTAACGATTTTAACGCGGGCTTTTTCATTCGCCGTGT AGCCGTTTGCTGCAAGCATCGTACTCCACATTGCTTTCGCCGCCGCCGCCGTCTGCCGCCC ATTCGGCATCGCCTTTGAGCGTGTGCGAGACTTTGGAACGGTAGTTCACGCCCACGCGCG CACGGTCGTTGATGTCCCACATCCACGCCAGTTGGTAGCCGAAGCCCCAATCGCTGCCTT TGACATCGGCGTGTCCGTCGGCCTGAATTTTTGCAGCTTCGGCTACACCGTTAGGTTTGG GCGGTTTTGCCGTCAATATCTCTGCTTTACTCTTAATCCCCCAGTCGGCATATTTGCGCA GTTCGGCGGAAGTATGTTGGGCGATGATGCCTGCGCCGAAGGAATGGCGGTCGTTGAGTT TCCACGCGGCGACAGGTTCGACGGCGATGCTGGTCAGACCGAGTTTGTTGATGTTGTGGC GCAACACGGAATCTTTTCGTATTCGGTGGCAGAGCCGAAGGGGACGTACACGCCCAAGC ${\tt CCACGGTCAGATTGTCGTTGACTTTGTATGCGCCGTAGATGTGGGGCGCGACCGTGGTTT}$ TGGTGATTTTGCCGCTTTTCGAACCTTGGACGGGAAGCCCGGTAAAGTCGGTGGCGGAAT CCGCCTCATAATGAATGCTGGGCAGCACGATGTTGGCGTTGACGGAAATCTGGCTGCTGT CGAGTTTGGTCAGGCCGGCAGGGTTGTAGAAGATGGTCGATGCGTCGGCGGCTTCTGCGG CGGCGGCATTTGCCGTGCTTTGCGCGTTGACCGACTGTGTGCCGAAGTGGTAGCCGGATG CGTGGACGGATGCGGCGAAAGGCAGTGCCGAGCAGCAGGACGGTTTTTTTCAGTGCGG AAGGGGTCATTTCGGTTTCCGTAAAAAGGCGGACGGTGGATAAATATAGTGGATTAACAA AAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGCAAGGCGAGGCAAC GCTGTACTGGTTTAAATTTAATCCACTATAAAAAAGGCAGTCGGAAATGCCTTGTTTCGC TTTAGTATAGGTACTCGATTTTATCCGATGTTGCCGGATTTGCACAATTTTTTCAGAGTT TGCCCGAACCGCCGCGCCGCAAAAAATGCCGTCTGAAGCCTCGGGCATCGGCTTCAG ACGGCATTTTCCACTCAGGGCGGATTATTTGACGCGCAGCACTTCCAGTGTTTGGTCGA ACCGGATTCGCGCATTTGCGAACCGCTGGTAATGATGTATTGGTCGCCGGAATGCAGGAT GTTGTGTTCCACCAGCATCGTTTCGACTTCGTTTAACGCCGTGTCGTGGTCGGTACTGGT TGCCAAAATCAGCGGGCGCACGCCCCGGTACATCGCCATACGGCGTTGGGCGGAAACGCT CGGGGTCAGCGCGAAAATCGGCAGGGTGATGTTGTGGCGGCTGATTTCAAAGGCGGTCGA ACCGCCGGCAACCGCCAGGTTGGTGCTGACCGCTTCGGGATACTCGACCTGTTCGGCAAC GCCGTTGAGCGAATCCTGCTCTTTTTCCGCAGCCGCGCAGATAATCGCCATTTGGCTGAC GGTTTCAAACGGATACGCGCCGACGGCGGTTTCGGCGGAACACATCACCGCATCGGTACC GTCCAATACCGCGTTTGCCACATCGCTGACTTCCGCGCGGGTCGGTACGGGGTTGGTAAT CATCGATTCCATCATTTGCGTCGCCGTAATGCTGAAGCGGCGCAACTCGCGGGCGCGCG GCGCGCAACCATAATGCCGTCGCCGGCGAGGATGATTTCGTCCAAGTTTTCAATCGCTTC CACGCGTTCGATTTTGGAAACCAAACCGGGGCGCACGGCCGTGCTGCCCTTCATTTCTTC TTCGACTTTGGCGCGCGCATATGCAAATCTTCGGCGGATTTCACAAAGCTGATGGCGAG ${\tt GTAGTCGCAACCGATGGCAATCGCGGTTTTCAGGTCGCGGAAGTCTTTTTCGGTCAACGC}$ GCCTGCGGACAGACCGCCACCGCGTTTGTTGATGCCCTTGTTGCTTTTCAGGACGTGGCT GTTTTCCACCCTTGTGATAATCCTGCTGCCTTCGACGGATTCCACGGTCAGGGTCAGCAG GCCGTCGTCCAGCCACAAGACATCGCCTGCGGCAACGTCGTCGGGCAGGTCGCGGTAGTC GCCTTTGTTCAATTCGATGCCGCCGCCGCGATTTTGCCCACGCGGATTTTCGGGCCCTG CAGGTCGGCAATGATGGCGATTTCCTGTCCGGCGCGTTTTGCCGCCTCGCGCACGATGAG GGEGTTTTCCTGATGGAATTCGGGCGTGCCGTGGCTGAAGTTGAAGCGGACGACGTTCAG ACCGCCGACGCGGATCATGTCTTCCAACAGTTCGACGTTGTTGCTGCCCGGCCCAAGGGT

GGCGACGATTTTAGTGTTGTGGCTGATGCGGGTCAGATCGCGGCTTGTCTGGTTCATATG **AAAGTCCTTTTGGTCTCAATCGGGTGTTTTGCGGTATTTTGTTACAAAATTACAGAAATT** TGGAACCGGTTTGATGTCCATTTGATGAACGCGGCGGAATATTCTGTAAAAATATGATTT **AAATTAATAGTTTGATATTTTACCTGCAAACCGCCTTTTTTTGGCGCAAAATTACACGGTT** TTATGACTTAGGCTAAATTTATTTTGGGGCTGTCCTAGATAACTAGGGAAATTCAAATTA AGTTAGAATTATCCCTATGAGAAAAAGTCGTCTAAGCCGGTATAAACAAAATAAACTCAT TGAGCTATTTGTCGCAGGTGTAACTGCAAGAACAGCAGCAGAGTTAGTAGGCGTTAATAA AAATACCGCAGCCTATTATTTTCATCGTTTACGATGACTTAATTTATCAAAACAGCCCAC ATTTAGAAATGTTTGATGGCGAAGTAGAAGCAGATGAAAGTTATTTTGGCGGACAACGCA AAGGCAAACGCGGTCGCGGTGCCCGGTAAAGTCGCCGTATTCGGTCTTTTGAAGCGAA ATGGTAAGGTTTATACGGTTACAGTACCGAATACTCAAACCGCTACTTTATTTCCTATTA TCCGTGAACAAGTGAAACCTGACAGCATTTTTTATACGGATTGTTATCGTAGCTATGATG TATTAGATGTGCGCGAATTTAGCCATTTTAGCTTCGCTGAAACTTCGTTTTCGTATCAAT CACAGCACACATTTTGCCGAACGACAAAACCATATTAATGGAATTGAGAACTTTTGGAAC CAGGCAAAACGTCATTTACGCAAGTCTAACGGCATTCCCAAAGCGCATTTTGAGCTGTAT TTAAAGGAGTGCGAACGACGTTTTAACAACAGTGAGATAAAAGTTCTTGTTCCATTTTAA AACAATTAGTAAAATCGAGTTTATCTTAGTTATCTAGGACAGCCCCGTTTGTGTACTGAA ATGCTTCAAAACACCAAACCAAGTTTCGTTTTCTAAAATACGAAACCATTACTGCTGCCT AAATTTTTTTGGATTGCTAAATTATGGCAGTATGATTTTGGATTTTAAATTGAAAGGCAA GAAAAATGTCAAAAAATGATGTAGTTAAAGTAATTGGTATATTCCCCCTATTGTCCGAAC **AATAGAGCAGACTTCCCGGCAGGCTGCCCACATCAGAACGCCCGTTCGCTGGTTTGTACG** TCCTGAAAAAGCTCTTGCATTAAGTTAATCATAATGGGAAATTTAAATTTTTTTAATGCT TACTTAAACAAAAGCCCCACTCCACCATTAGGAGTTTCTTTTTCAGTATACAAGTAAATA TTTTTAAAATATTGATTTAAATTAAAATAAATACTTGCAAAAAAAGTATTAAATTAAAC TTAAGAAAGGTTAATTCTGATTTACATTTCCAACCATACTTCTTTACAGGAGAAAATCAT GAAAGAGTTACACACCTCTGAATTAGTTGAAGTGTCAGGTGGCAAATTCCATATCTTTGC ACAGGGTGGCGGCAACCTAGGTAAAAAAGATATGGTTGCTGTTGGTAAAATTGGTGCTTC AGGTCTTGGTGTACAGTTTTCGAAACCTACTTTTGGTATTAGTAAAAATTGGTAAGATTT TTTGTTTTATCCTTTCTGACATTAATAAATCTATGCTCATTAAGCGCATGCAATAGCCAC TTTACAGGAAATATCAATCCATTAGGTACTCACAATAAAGTTGCTAATCCCAATTGTGCC **AATAGTGCCAATAGTCATATCAGACAACCCAGTAGGAAAAACTATGATCCAACTGAATAT** AGTGCTTGGTTACAGTATATGCATGATTGCAAATAATGAGTAACGATGAAAATTTACTTT AACAAGTTTCTGGTGCTGCTTGTAACTGGCGTGATTTCTCAAAAAATACCATTGGTAGTG CATTAGGTGGAGCAGCTGGTGGGGCAATTGTTGGTTCATTTGCAGGTGGTATTGGTGCTA TTCCAGGTGCGAAATTCGGAGCTATTGGTGGTGCAATCACTGGTGCTGTACAATATGGAA GCACTTGTTGGTGGTAATATTCCTTAATAAAACTAGGGTATTTTGATATTTCTATTCAA **AATACCCTAGTTTTTCATAAGAACTTAAATACAAAAAGGAACAAATAATGAAAAAATAT** GTGATTATTTTAAATATTTAATCTTTTTTTTTGATTTTACTCCCAACAAATTATCTCGTAT CTCATTATGTGGTACAAACCTCAATGAGTATGTTAAGCATTTTAAGTTCTTCTATAATAA ACATGTCTAACAATCACTCATTTTTCAGACCAGAAGTCTTTGTAGCTCAACGGAACAAGT GGACAGGACCAGTAGGCTGGGTTGACGCAATGGGAGCTGGTATTTTCTCTGTTGCTGGCG GATACAATATCGGTCGTGGCATGATGAAGCCATAAGATAATTACATCATTAAGGAAAAGG TAATTTCAGTTACAGCAATATGTATTGAAGTTACCTTTTTCTATTTAGATTGAACAATTT TGAAAGAGAAAAATTATGAATACTGAAACCATTTACGCCACTGTCTTTTGCATTTTAGCT AGCAAATTTATGTTATTAGGCATAAGTATTTTAATTATTGGTATTTTTCTATCCATTTTT TTTTAAGAAATAATAAATGTCCCACTTATTCCGAAAAGAAGTCTTTGTAGCCCAACA TTGCGCTTTTCTCATTGCTCTGTGTATCATTATCTTTTTGATTTTTGGTAGCTATACCAA TAAAACAACCGTTGAAGGTCAATTACTTCCAACTATGGGGGTGGTTCGTGTTTACTCTTC CGATATCGGCACGATTACGCATAAATTTGTTGAAGATGGTAACTTTGTCAAAGCTGGCGA ACCATTGTTCAAACTTTCCACATCGCGTTTTGGCGAAAAAGGAAACGTACAAGCCAAATT GGCAGCAGAAGCCAACCTTAAAAAAACTTTGGCATTACAAGAATTGGAACGTTTAAAGCG AGAGAATATTAAACAGCAAATTACAGGGCAAAATCGTCAAATTCGTTTAGCGGAAAAAAC CCTTAACAAGAACAAGTTTTTAGCCAGTCAAGGCGCAGTATCCCAACAAGATAAGATGAC CGCCGAAAGCCATTTATTGGAACAACGCTCACGTTTGGAGAGCCTAAAACGTGAACAAAA TAAAACCGAATTGAGCCAACTCAACCGTGCGATTACGGAAATGAACCAAGAAATTTTGGA TTTTGATTTGAAATCCGAACAAACCATACGAGCTAGTAAATCAGGTTGAGACCTTTGCAA **AAATAATCTGTTAACGAAATTTGACGCATAAAAATGCGCCAAAAAATTTTCAATTGCCTA** AAACCTTCCTAATATTGAGCAAAAAGTAGGAAAAATCAGAAAAGTTTTGCATTTTGAAAA TGAGATTGAGCATAAAATTTTAGTAACCTATGTTATTGCAAAGGTCTCAGGTTATATATC AACAATTAATGTTGATATAGGGCAACAAGTTGAACCGTCTAAATTGCTGTTAAGCATTGT CCCTGAACAAACTGAATTGGTCGCCAATCTTTACATACCCAGTAAAGCTGTTGGTTTTAT TAAACCGAAAGATAAAGTTGTTTTACGTTACCAAGCGTACCCTTACCAAAAATTTGGACA TGCCACAGGAGAAATTATTTCAGTTGCCAGAACTGCTCTCGGTAAACAAAAGCTATCAGG TTTAGGTATCATTTCACTAACCCAACCTTATTAAATGAACCTGCCTATCTTGTGAAAGT TAAATTGGAAAAACAAACGATTAAAGCATACGGAGAAAACAAGCCGCTTCAAATTGGCAT GATTTTAGAAGCAGATATTCTCCATGAACGAAAAATTGTACGAATGGGTACTTGACCCA GATTTAACAAAAAGCTACCTGTCATTCTGCAAACAGAAGTTGCTGAATGTGGTTTAGCAT

GCCTGACATCCATCTTGTCCTATTATGGCTTTCACACTGATTTAAGAACGTTACGCCAAA **AATACACCCTGTCATTAAAGGGCGCAAATCTTGCAGACATCATGAGATTTGGCAATGAAA** TGAATTTAACGCCACGAGCTTTGCGTTTAGAGTTAGATGAGCTGTCAAATTTACAACTAC CCTGCATTCTCCATTGGAACTTAAACCATTTTGTTGTACTTTGTTCCATTTCCAAAGACA GTATCGTCATTATGGACCCTGCTGTCGGTATGCGAAAAATCAAAATGGACGAAGTTTCAC AAAAATTCACAGGGATTGCCCTAGAATTATTCCCCAATACCCATTTTGAAGAGAAAAAAG AAACAAAGAAAATCAAAATATTATCTCTATTAAGGGGGGGTCAGGCTTAAAACGCTCTTT **AATTCAAATGCTTATATTAGCTATTTCTTTGGAAGTCTTTGCATTGGTTAGTCCATTCTT** TATGCAATGGGTAATAGACCATGTCATTGTAACTGCTGATAAAAATTTATTATTGACCCT TACTTTGGGATTTGGTTTACTGACTATCCTGCAACAGTTAATTAGCCTGTTACAAGCATG GGTAGGTATGCACCTATCTACAACTCTTAATTTACAATGGAAAGCCAATATATTTAAAAG GTTACTTGACTTACCTAATGACTATTTCAGTAAACGACATTTAGGAGATGTGATTTCAAG AAATAGCTTAATGGCTGTTTTTACTTTCGTGTTAATGACAATTTACAGCACTCAATTATC GCTGATTGTTCTTTTAACACTTGTTTTGTACATACTAATTCGTTGGCTTGCATATTACCC GGAAACCATTCGTGGTATCCAATCAGTTAAATTATTTGATAAACATTATCAAAGACATGG CACTTGGATGAGCCTATTTGTGAATACAGTCAATACCAAGCTGACAACAGATAAACTCTC TGCTTTATTTGAATTTCAAATAAACTGTTGTTTAGCATGGAAAATGTTATCATAATTTA TCTTGGTGCAAGCGCAATTTTAGATGGTTCATTTACAGTCGGTGTTCTGATGGCTTTTTT GGCTTATAAAGGGCAATTTGAAAGCAGAACAGCTTCTCTCGTTGACCAATACATCCAAAT CAAAATGTTAGGGCTTCATGCTGAACGTTTGGCTGACATTACTTTAAATGAAACAGAAAC TGAAATTATTAAGTATAATCATATACCTAAATTAGATAATGAACAACTGGTTCTTAAAGT TGAAAACGTCTCATTCAGATATGCTGATAATGAGCCATATCTTTTTGAAAACATTAATTT GGAATTTAAAGATAATGAAGCAGTTGTTTTAACAGGACAATCTGGTCGGGGGAAGTCCAC TTTGTTAAACATTTTAACAGGTAGCCTAAAACCTGAAACTGGTACAGTTAGTATTAATGG GCATGATATATCAAGTTTCTCCATCCTTTATTAGGGGATTGAGCGGGATTGTTCGCCA **AAATATGGAGCTCATTGAACAATGTGCAAAAATGGCACAAATACATGACGATATACTTAA AATGCCAATGGGCTATGAGACCTTGATTGGCGATATGGGAAATATCTTATCAGGTGGACA** AAAGCAGAGAGTTATCTTGGCTCGTGCATTGTATAAACGACCCAAAATTCTATTTTTAGA CGAAGCAAGTAGCCATTTAGATGTAGAAAAATGAACAAAAAATTAACCATAACCTAAAAAG TCTTGGTATTATGAAAATAATGGTTGCACACCGCCAAGAAACAATTCAATCGGCAGATAA AATTCTGAATTTAGGTTGAACAGAACAAGACTTCATTTTCTTTAACAAAAGTGAAGTC TTTTTTCAAATAATTTAATAGAATACATGAAAATAGCGGTTTAACGTTCCATTTCCCAAT ${\tt CATCACGACTGGCTTTGTGTTTTGGCGATTTTTCAGTTTCCTTTTTCTGTTGAATTTGTT}.$ GTTTTTTCTGCTCTTGTTCCCATTTTTGGGCTAATTTCACGGTCTCATTTTCAGCCCATT CCATCACGGCACAACGATGTAGCTTTTCTCCGATATCGCCATTAAAGCCAGCTCCACGAA CTTCACCATAAATTCTTGAATATTTTTGATTATATTCAATTTCTTTTCCATTTTCTTTAA AGGATTTCTCCCACTTTTCACAAACTTCATCAAAATCTTTCAAAGGGATATTTTTTAAGG GGCTGTCCTAGATAACTAGGGAAATTCAAATTAAGTTAGAATTATCCCTATGAGAAAAAG TCGTCTAAGCCAGTATAAACAAAATAAACTCATTGAACTGTTTGTCACAGGTGTAACTGC AAGAACGGCAGCAGAGTTAGTAGGCGTTAATAAAAATACCGCAGCCTATTATTTTCATCG TTTACGATTACTTATTTATCAAAACAGTCCGCATTTGGAAATGTTTGATGGCGAAGTAGA AGCAGATGAAAGTTATTTTGGCGGACAACGCAAAGGCAAACGCGGTCGCGGTGCTGCCGG TAAAGTCGCCGTATTCGGTCTTTTGAAGCGAAATGGTAAGGTTTATACGGTTACAGTACC GAATACTCAAACCGCTACTTTATTTCCTATTATCCGTGAACAAGTGAAACCTGACAGCAT TTTTTATACGGATTGTTATCGTAGCTATGATGTATTAGATGTGCGCGAATTTAGCCATTT TAGCTTCGCTGAAACTTCGTTTTCGTATCAATCACAGCACACTTTTGCCGAACGACAAA ACCATATTAATGGAATTGAGAACTTTTGGAATCAGGCAAAACGTCATTTACGCAAGTTTA ACGGCATTCCCAAAGCGCATTTTGAGCTGTATTTAAAGGAGTGCGAATGGCGTTTTAACA ACAGTGAGATAAAAGTTCTTGTTCCATTTTAAAACAATTAGTAAAATCAAGTTTGTCCTA GTTATCTAGGACAGCCCCTTGTTTTTTGTTCGGCGGCTTGCGTGGTCGGGTAAAATGAAA GTTTTGAACGGTTGGTCGGACAGGAAGATGTGGCGGGTTTTGAGTGCTTTGCCGATAGGC GTGGTGTTTTTTGATTTGATCTACGGTTTTGTGTTGAATGTGTTGCAGGGTTTGGATTTG CAGCGTGCCGGATTCGGAAGGCGTGTTGGCGGTTACGCCCGATATTGCATTCAAC AGTTTGCAGATTGTCGCCAACGGCGGTATGGCGGCGGTGGTCTGTTTCGGGTTGGCGGTT GTGTTTTTGCTCAACCGTTCGGTGCGGCGGCGGCAGGTGTTGGAAATCGGGGTGTTCCGG ATGTTGGGGCTGGTGGCGGTATTGGCGTTCAGCGCGCCGTCGGTGTGGGAGTGGGCGAAC GCGCTGCCGCTGCTGAAGGGCGCGGACGTGGTCAATACGGGGAATGCGCGTTATGTG CTGACGGCTTTGTGTATGCCCTTTCCGGCGGTGTCGTGCGTCATCGGGCTGGTGGGGCGG TTCAGGCTTCAGACGGCATCGGGCAGGGGGGCAAAGTCAGGGGGGTGCGGGCAAGGCGGAC GGATAGGACGCATTTTTCAGCGGGTGCGTCGAGAAGCAGCCGATGTGTTTGGCAGCCGCA GCTTGGGGGGTGTAGTGCTAATGGCGGTTTCTTTGCTTTTATAGTGGATTAACAAAAACC AGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCA AGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTT GTTAATCCACTATATAAAATAAATGGGCAAAAATCGGTTTATTATCGTTTTTGCCGCATT TGGATTTGTTCTACCGTAAAACGTGTTTGACGAACGGGATTCTTATTAAAAAAACATCTGA TCACGTGTTTTCCATGCGCTCAAGAATTGTGATTTGCTCATTGAGACGTGCCCCAGCGAT GGATCAGCCAGCAAAACAGTTTCTCCGTTAATACCGTTCAATACCGAAAAATGGTTGTTT TTACGGTATTTTAAATACACAATTACAGGAATTTTTAGTTGTACCAACTGTTCAAATGGC AAAGCATAACCTTGTGCTTCAAAACCCAGTTCGGGCATTATGCGTTGCATATCGTCAAAA GAAGCACGCATTTGGGTTTTATCCATTTTGTCTAAGATTTCCGCTTCAGAATAATGTCTG

TGTTTTACTATGCCGGAATCTCGCCGTGCTTTCCAACTCCGTACATGGATGTTTTGGTAA GAAGCGGGGGTCAACAAACATAGGCCAAGCAAAAACTATATTTGGGGCGAAACCAATCA **AAGCCGCATAATTTATCAATTTATAAAGATTTTTTATCATAATATGTATACGCGGAATAA AAAATAGATAATGATGGGAGTAAATACGCCATGTATTTTTGGAAGTTTAAATTTATTAATA ATAAAATAATTTATCGTAGCGCAAATAAATCCCAAAATTGGAACGATTAGAAAAAAATT AATTAGTTAGCTAACTAAAAGTTATTAATGATTATTTTCGAGAATTGACTGCATTGTTGG** CAGCATTGGCACCAAAACCTAGTGCATGAATACCCGGTCTCCATGCCAAATTCCCAGCCA ATCCGCCTCCGGCAGCAGCCAGCCCTGTTTTGCCGCTACTCCTGTTGCCGCACCGAT TCCTGTCGCAGTAGCCGCGCCTTGCGCAGTTCCTAATTTACCATGATTATACAAATTAGC ACCATGATACCCCCATGCACCTAATGCACCGCCAAAAGCAGCGGCTGCAATAATGGGAAC **AAATTCACCTTGTGTTTCTTTCATTTCAGCCTGTGATAATTGAATTGCTTTCACATTTTG** GCTGTCAAAAACTTGGCTGTCTAAATTTTGCGCCATTACAGGTGTAATCATCATAGCCAT TACAGTTGCAATTTTCGTTGCGCTGGTTTGCACATAAATAGGATTAGCAAATTCGCTTTG ATTGCGTTCAGTGTTGATGTAGCTAATACTGCTTTCTAGTTTGAATTTACCCTTGTCAGT AATAAAATCTATTAGACATTTGTGTTTTTGCATCATTTCGTTTGATTTTCTAGGTTTTGA GAATGATACAAAGTTTTTTACAAAGTAAAGAGTCACTCTGAAAAAACTTTTTTCATTATA **AATCAAAATATTGATAGAATAAATAGCGAGCATCGATTCACGGTGCGCTTTAGTGCAAAG** GCTTGCCAACGTGCAAGCGAGCTTGCAAGAACGCTTGGCTCAACGAGAGCAGGCAAGACA GAAAGCAGAAAGCAGGATAGGAGCGGTAACGCAAAGGTCTCGGGCTTTGATTTCGCCGTA AACCCTGCTGCCGCCTTGTCCGGAAAGGGTGCAGGCGGCGAGTGCCGACAGGGTGCAGAT GGGGAGGGGGTTTTCATTTGGGGTCGCAACGGAAGTGGTATGCGCAGATTTCAAAACCG TTTTTGAAATACAGGCGGTGCGCGCCGCCACGGTCGTGGTTGACGTTGAGGTGG ATTTTGGTTACCCCTGTTTCCGCGCCGATTTTGCGGACTTCTTCCAAAAGGCGCGAGGCG TAGCCTTTGCGGCGGCTTTGCGGCAGGGTAACGATGTCATCGATGTGGATGTGGCGGCCG CTGGCGAGGGTGCAGGCTTCGCGGAAGCCGCAGACGGCATTGTGTTTGCCTTCT TCAAAAATACCCAGCAGGCGGTAGCCTTGGGGGGCGTTGGACTTTGTTGATCTGTTCGGTA AAGCGGTTGATGTCGGTCAGGGCGGAACGCAAAACGCTCAAGGCTGCAAAGGCGGTGGCG GTGTCGTCCGCGCGATTTCGCGCAAAACGTAGGATGCGCCCGAGGCGGTCTGTTCCTGT GCTTTCTCGGCGGCGTGTTTTTCTTCGATTGCCTGTGCCAGCATGACGTGTTCGTCGGCA GGGTTGTTTTGTCCGCCCTGTTCGCGTTCTTCGAGCAGGGCTTTGCAGTCGATGACGCGC AGGTCGTTGTCGGCGGCAAAGTCCATCAGGAAGCGGAACATTTGGGGATTGTCGGTTTCC AGTTTTTTTTCGACGCGACGCAGCGGATGTTGTCCACCAGTATGGGGCGCACCCATTTC GAATAGGAAAGCCTGTGGTCTTTGGTGAACGAGGACAGAATGCCGCACAGGCGTTCCGCC CAGTCGCTGGGACGGAAAATCTTGCCGGAACTCGTTGTGCCGTGGATGACGACTTCGTAG GGGTTGCAGACTAACATGGCGGCTTCCTGAAAAGAAATGTCTAGCGCGATTATACCTTAT GCTTATGCGGGCGTGTTTGGATATGCCGTCTGAAAAGTACGGGATTCGTGCGGTAAAACT TTGCGGCGGCAAATGTGCGATAATACGCGCCGTATTGCCGCTTTTGCGAAGCTGTTCCGC AAACATACGGGCGGGGTGGACGACGTATAACCGGATACCCGCCTGACGCGGGTTTTTTAC GGAAGGGGGCAAAAATGCCTAATCCGCTTTACAGACAGCATATCATCTCCATTTCGGAT TTGTCGCGCGAACAGTTGGAATGCCTGCTTCAGACGGCATTGAAGCTGAAGGCGCATCCG CGCGGCGACCTGTTGGAAGGCAAACTTATCGGTTCGTGCTTTTTCGAGCCGTCCACGCGC ACGAGGCTGTCGTTTGAAACGGCGGTGCAGCGTTTGGGCGGCAAGGTCATCGGTTTCTCG GCGGAGTTTTCGCGCGTCCCCGTTATCAACGCCGGCGACGGCACGAACCAGCACCCCAGT CAGACGCTGCTCGACCTGGTTACCATTTATGAAACACAGGGACGTTTGGACAAGCTCAAA ATCGCCATGGCGGCGACTTGAAATACGGACGTACCGTGCATTCGCTTTGTCAGGCGTTG AAACGCTGGAATTGTGAATTTGCCTTTGTTTCGCCGCCCAGCCTAGCCATGCCCGACTAT ATTACCGAAGAGTTGGACGAAGCCGGCTGCCGATACCGTATCCTCGGTAGTTTGGAAGAA GCGGCGGAATGGGCGGATATCCTGTATATGACCCGCGTCCAGCGCGAACGTTTCGACGAA CAGGAATTTGCCAAAATCCAAGGCAAATTCAACCTCGAAGCGTCTATGCTCGCCCGCGCC GATGCCACGCCGCACGCCTATTATTTCGAGCAGGCGACCAACGGCGTTTATGCGCGTATG GCGATATTGTCGCTGGTGTTGAACGAAGAAGTGTGAGGAACCGATATGGAAACCCCGAAA CTCAGTGTCGAAGCCATTGAAAAAGGTACGGTTATCGACCATATTCCCGCCGGCAGGGGG CTGACCATCCTGCGCCAGTTCAAACTTTTGCACTACGGCAACGCGGTAACCGTGGGCTTC AACCTGCCCAGCAAAACCCAAGGCAGCAAAGACATCATCAAAATCAAAGGCGTGTGCTTG GACGACAAAGCCGCCGACCGCCCTCGCCCTGTTCGCCCCCGAAGCGGTGGTCAACACCATC GACAATTTCAAGGTCGTGCAGAAGCGGCATTTGAACCTGCCCGACGAAATCGCCGAAGTG TTCCGCTGTCCGAACACGAATTGCGCCGGCCACGGCGAGCCGGTCAAAAGCCGGTTTTAT GTTAAAAAGCACAACGGGCAGACGCGGCTGAAATGCCACTACTGCGAAAAAACCTACAGC CGGGATTCGGTGGCGGAAGCCTGACGGATTCCCTTAAACCGAGTGGGCGGCATTTCGTCT GCCGCCTGTTTTGCCAATCTGAAATGGAATGATGATGCACGCTTCTGTCCAAAGCCGTTT CGCACCGATACTTTATGTTTTGATTTTCTTTGCCGGTTTTTTTGACCGCGCAAATCTGGTT CAATCAGAAAGCCTATACTGAAGAGCTGCCTCCGCTTCTGTCCGCATTGTCCGCCGTCGC CCTGGTGTGGCGTGGCGTTCGTGTCGCGCGCGTTCAAAGGCCAAGGCGGAAAAGTT CTACCGCGAAAAAATGATACAGAACGAAAGCATACACCCCGTCCTGCACGCCTCTTTGCA ACACTTGGAACACAAGCCGCAAATACTCGCCCTGCTGGTCAAAAACCACGGCAAAGGGAT GGCGGAACAGGTCAGGTTCAAGGCGGAAGTGCTGCCCGACGACGAGACGCGCGCACGAT CGAAACCTATGGACGCGTGTTCGCCGATATTTTCGAGTTGTCGGCGGCTTTGGAAGGGCG Appendix A

CGCGTTCAAAGGAATGTTGAAACTGACGGCGGAATATAAAAACATCTTCGGCGATGCCTG CCGTTCGGAAACGGCGTTGGAGTTGGGCGCACTCAATCAGGCGTTGCAGGAGATTTCAAA AACATCGGAAAAGTCCAAACGGATATTTTATTGAAGATGGAAAAATGCCGTCTGAAACGG AAGGTGTTTCAGACGGCATTTTTGTCGGATGATTAATTATTCGGAGCGGTTGAAGCCAAA CTTCACGCGGCTGCGGCCCTGATCCGGTATATTGTCCAAATCGCGTCCCGGATTGGCGGC GGTGTCGCCTACGGAAATATCGGAGATGTTTTCCAAAATGATGGCGGACGACAGGTGTTC GGAGGTGCGGTAAACCATTGCCAAGCCCACTTCTTCGGCAGGAGTGGAAATCAGCTCGAC GGTATCCCTGCTTTTGAAATTGTTGGAGAGGTCGACCTGCATCGTTTTCTTGCGTTTGTA GAGGCTCAAAACCGTGCCTTTGTCCAAACCGTCCGCCTCGCCTTTGTCGATGGTGATGGT TTGAAACTGGCCGGCAATCCTTGTGCCTTCAAACACGGAAACGATTTTAGCCTGAACCGG ${\tt GCGGGACGGTTCGTGCGGCATCATGTTGAAGCGGTCGGTGTCTTCCGGCATTTTCATCAG}$ GTAGTCGCCCTGCTGTATTTCGGAAATGGCGGTTTCGACCACCAGCGGCTGTATCGAAGG GGTGCGCAGCGGGTAATCAAAGGATGGGTGCGGGTATGGTATTCGTTGTCTTTCGGCCG TTCTCCAGCCTGTTTCGAGCGTTGTTCGAGGACAGAGTCGGTATAGTCGAGGGAGCGCAC GATGCCGCTGAATGCGACTTCCTGCCCGAGGAATTTACCCGTATCCGGATCGGTGATGTT TTTATTGATTCGGTAGGTCAGGTAGCGGCCCGGCTCTTTCAGGCCTTTGGTGTAAACCCT GGTTTCTTTGCGGGAAACGATTTGCGGATGCCGCATAAAGATGCGGTAGAAGTTGACATC GATGGCGGGAATACCGTATCCGGACACTTCCTTATCCGGACTCATTTTGACGACGGGGAT GCCGTCTGTCTGTTCCAAGCCGAGGCGCGGTTCGCCGTCAACGTGGCGCAACACCAATAC CTGGTCCGGATAAATCAGGTCGGGATTGTGGATTTGATCCCGGTTCGCGTCCCACAGGCG GCCCCATTGCCACGGGCTGTACAGGTATTTGCCCGAAATGCCCCACAGGGTGTCGCCCTG TTTGACCGTGTAGCGTTCCGGCGCGTTCGGGCGCACCTCCAAATTTGCCGCCAAAGTTTG TGTTGAGAATGCCATACCTGCCGCGCAGAGCAGGGTTATAATACGACGTTGCATAACCGT TCCCCTTATCTGATAAATTTCGGTTTGTCTTGCTTGATTGGGTTGGAAAAAGCGGCGGCA GCCCTCGGGATGTGCCGCGTGATAAAAAATGTTCCGCATTTTAACATCGAATTATCCGC ACCATCACGGTAATTATGAAAAACAGGCGGCGTATCCGCCGAAGGAAAGAGAAAATTATG GCTTTATTGAATATCTTGCAATATCCCGACGAGCGTCTGCACACGGTGGCAAAGCCTGTC GAACAAGTCGACGAGCGCATCCGGAAGCTGATTGCCGATATGTTTGAAACGATGTACGAA TCGCGCGGCATCGGGCGGCGACGCAGGTCGATGTGCACGAGCGCGTGGTCGTGATG GATTTGACCGAAGACCGCAGCGAACCGCGCGTGTTCATCAACCCCGTCATCGTTGAAAAA GACGGCGAAACCACTTACGAAGAGGGCTGCCTGTCCGTGCCGGGCATTTACGACACCGTA ACCCGCGCCGAACGCGTCAAGGTCGAGGCTTTGAACGAAAAAGGCGAAAAGTTCACGCTG GAGGCGGACGCTTGTTGGCGATTTGCGTGCAGCACGAGTTGGACCACCTGATGGGCATC CGTCAGAAACATACGATTTGACCCTTTTGCCGTGCCGTCTGAACGCTGCAAAGTTTTCAG ACGGCACGGTCTTGTCCGACAATTTTACGCACGCGCAGGAACACGCTATGAAAGTCATCT TCGCCGGCACGCCGATTTTGCCGCCGCCGCCTTAAGAGCCGTTGCCGCCGCCGGTTTTG CCCCCCCGTCAAACAAGCCGCGCTGGAACTCGGTTTGCGCGTCGAACAGCCCGAAAAGC TGCGCAACAACGCCGAAGCCCTGCAAATGCTCAAAGAGGTCGAGGCAGACGTAATGGTGG TTGCCGCCTACGGTTTGATTCTGCCGCAGGAAGTGTTGGATACGCCGAAACACGGCTGCC TTGAAGCCGGCGATGCCGAGACAGGCGTGTGTATTATGCAGATGGACATCGGTTTGGACA TCCACGACGCGCTGATGGAAATCGGTGCGGCGGCGGTTGTTGCCGATTTGCAACAGCTTC AATTGAGCAAAGAAGAGGCGCGTATCGATTGGAGCAAAAGCGCGGGGTTATCGAACGCA AAATCCGCGCCTTCAACCCCGTGCCTGCCGCGTGGGTTGAGTATCAGGGCAAGCCGATGA AAATCCGGCGGGGGAAGTGGTGGCGCAACAAGGCGCGGCAGGCGAAGTGTTGTCCTGTT CGGCGGACGGTTTGGTCGTTGCCTGCGGCGAAAACGCGCTGAAGATTACCGAATTGCAGC CTGCCGGCGGCAGGCGGATGAATATCGCGGCGTTTGCAGCAGGACGGCATATCGAAGCAG GGGCGAAGCTGTAAATCCCTTCAGACGGCATTCCGATCCGCAAACGGGAATGCCGTCTGA AACCATCAGTCGAAGAAAGCGAATCACATAATATGAGTATGGCACTTGCCCAAAAACTTG CCGCCGACAGCATTGCGGCGGTTGCCGAAGGACGTAACCTTCAGGACGTGTTGGCGCAAA TCCGCACCGCGCATCCCGACCTTATGGCGCAGGAAAACGGCGCGTTGCAGGACATCGCCT ACGGCTGCCAGCGTTATTTGGGCAGTTTGAAACATATGCTCGCGCAGATGCTGAAAAAGC CGATTGGCAATCCGCAGCTCGAAAGCCTGCTTTTGGCGGCGTTGTACCAGCTGCATTACA CGCGCAACGCGCCCACGCCGTGGTCAATGAGGCGGTGGAAAGCATCGCGAAAATCGGAC GCGGGCAGTACCGTTCGTTTGCCAACGCGGTTTTGCGCCGCTTTTTGCGCGAACGCGACA **AGCTTGTGGCTTCCTGTAAAAAAGACGATGTAGCGAAACACACCTGCCGCTGTGGTGGG** TGGCTTACTTGAAAAACCATTATCCGAAACACTGGCACAACATCGCCGCCGCGCTGCAAT CCCATCCGCCGATGACTTTGCGCGTCAACCGCCGACACGGCAATGCCGAAAGCTATTTGG AAAAACTGGTGGCGGAAGGTATCGCGGCTAAGGCGTTGGACGAATATGCGGTTACGTTGG AAGAAGCCGTGCCGGTGAACCGCCTGCCTGGTTTTTCAGACGGCATTGTTTCGGTACAGG ACTTCGGCGCGCAGCAGCGGCGTATTTGTTAAACCCGAAAGACGGCGAACGGATTTTGG ACGCGTGCGCCGCCGGGCGGCAAGACGGGGCATATCTTGGAACTGGCGGATTGCCGTG TTACCGCCTTGGACATTGATGCAGGCCGTCTGAAACGGGTGGAAGACAATATCGCGCGTC TGGGCTTTCAGACGCCATCGACGGCGTGTGCCGATGCACAGGACCTGTCGGCATGGTATG ATGGGAAACCGTTTGATGCCGTCCTTGCCGACGTGCCGTGTACCGCCTCGGGCGTGGCGC AGCAGGAAGCCCTGCTAGATGCATTGTGGCAGGTGCTGAAAAGCGGGGGAAGGATGTTGA TCGCTACCTGTTCCGTCGTCGAGGAAAACGACGGACAATTGCAAAAATTCCTCAACC GCCATGCCGATGCAGAACTGATCGAATCGCGGGTACTCTTACCGAAGAACACACAAGATG

GCTTTTATTACGCGCTTATTCAAAAGCAGTAAATGGCTGATTGTGCCGCTGATGCTCCCC

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GCCTTTCAGAATGTGGCGGCGGAGGGGATAGATGTGAGCCGTGCCGAAGCGAGGATAACC GACGGCGGCAGCTTTCCATCAGCAGCCGCTTCCAAACCGAGCTGCCCGACCAGCTCCAA CAGGCGTTGCGCCGGGGGGGGGCGTGCCGCTCAACTTTACCTTAAGCTGGCAGCTTTCCGCCCCG ATAATCGCTTCTTATCGGTTTAAATTGGGGCAACTGATTGGCGATGACGACAATATTGAC TACAAACTGAGTTTCCATCCGCTGACCAACCGCTACCGCGTTACCGTCGGCGCGTTTTCG GTCCTGAACAAAGGCGCGCTGTCCGGTGCGGAAGCAGGGGGAAACCAAGGCGGAAATCCGC CTGACGCTGTCCACTTCAAAACTGCCCAAGCCTTTTCAAATCAATGCATTGACTTCTCAA AACTGGCATTTGGATTCGGGTTGGAAACCTCTAAACATCATCGGGAACAAATAATGCGCC GTTTTCTACCGATCGCAGCCATATGCGCCGTCGTCCTGTTGTACGGACTGACGGCGGCAA CCGGCAGCACCAGTTCGCTGGCGGATTATTTCTGGTGGATTGTTGCGTTCAGCGCAATGC TGCTGCTGGTGTTGTCCGCCGTTTTGGCACGTTATGTCATATTGCTGTTGAAAGACAGGC GCGACGGCGTATTCGGTTCGCAGATTGCCAAACGCCTTTCTGGGATGTTTACGCTGGTTG CCGTACTGCCCGGCGTGTTTCTGTTCGGCGTTTCCGCACAGTTCATCAACGGCACGATTA ATTCGTGGTTCGGCAACGATACCCACGAGGCGCTTGAACGCAGCCTCAATTTGAGCAAGT CCGCATTGAATTTGGCGGCAGACAACGCCCTCGGCAACGCCGTCCCCGTGCAGATAGACC TCATCGGCGCGCGTTCCCTGCCCGGGGATATGGGCAGGGTGCTGGAACATTACGCCGGCA GCGGTTTTGCCCAGCTTGCCCTGTACAATGCCGCAAGCGGCAAAATCGAAAAAAGCATCA ACCCGCACAAGCTCGATCAGCCGTTTCCAGGTAAGGCGCGTTGGGAAAAAATCCAACGGG CGGCGGGTACGCACAACGGGCGCGATTACGCCTTGTTTTTCCGTCAGCCGGTTCCCAAAG GCGTGGCAGAGGATGCCGTCTTAATCGAAAAGGCAAGGGCGAAATATGCTGAGTTGAGTT ACAGCAAAAAAGGTTTGCAGACCTTTTTCCTGGCAACCCTGCTGATTGCCTCGCTGCTGT TATCGCTTGCCGAGGGGGGGAAGGCGGTGGCGCAAGGCGATTTCAGCCAGACGCGCCCCG TGTTGCGCAACGACGAGTTCGGACGCTTGACCAAGTTGTTCAACCACATGACCGAGCAGC ATCTTGAATGCGTGTTGGAGGGGCTGACCACGGGCGTGGTGGTGTTTGACGAACAAGGCT GTCTGAAAACCTTCAACAAAGCGGCGGAACAGATTTTGGGGATGCCGCTTACCCCCCTGT GGGGCAGCAGCCGGCACGGTTGGCACGGCGTTTCGGCGCAGCAGTCCCTGCTTGCCGAAG TGTTTGCCGCCATCGGCGCGGCGGCAGGTACGGACAAACCGGTCCATGTGAAATATGCCG CGCCGGACGATGCCAAAATCCTGCTGGGCAAGGCAACCGTCCTGCCCGAAGACAACGGCA ACGCCGTGGTAATGGTGATTGACGACATCACCGTTTTGATACACGCGCAAAAAGAAGCCG CGTGGGGCGAAGTGGCGAAGCGGCTGGCACACGAAATCCGCAATCCGCTCACGCCCATCC AGCTTTCCGCCGAACGGCTGGCGTGGAAATTGGGCGGGAAGCTGGATGAGCAGGATGCGC AAATCCTGACGCGTTCGACCGACACCATCGTCAAACAGGTGGCGGCATTGAAGGAAATGG TCGAAGCATTCCGCAATTATGCGCGTTCCCCTTCGCTCAAATTGGAAAATCAGGATTTGA ACGCCTTAATCGGCGATGTGTTGGCATTGTATGAAGCCGGTCCGTGCCGGTTTGCGGCGG AGCTTGCCGGCGAACCGCTGACGGTGGCGGCGGATACGACCGCCATGCGGCAGGTGCTGC ACAATATTTTCAAAAATGCCGCCGAAGCGGCGGAAGAAGCCGATGTGCCCGAAGTCAGGG TAAAATCGGAAACAGGGCAGGACGGTCGGATTGTCCTGACGGTTTGCGACAACGGCAAAG GGTTCGGCAGGGAAATGCTGCACAACGCCTTCGAGCCGTATGTAACGGACAAACCGGCGG GAACGGGATTGGGTCTGCCTGTGGTGAAAAAAATCATTGAAGAACACGGCGGCCGCATCA GCCTGAGCAATCAGGATGCGGGTGGCGCGTGTGTCAGAATCATCTTGCCAAAAACGGTAA AAACTTATGCGTAGCAGCGATATTTTAATTGTAGACGACGAAATCGGCATCCGCGACCTG CTGTCGGAAATCCTGCAGGACGAAGGTTATTCGGTCGCATTGGCGGAAAACGCCGAAGAG GCGCGCAAGCTGCGCCATCAGGCGCGCCCCCGCGATGGTGCTGCTGGATATTTGGATGCCT GATTGCGACGGCATCACCCTTTTGAAGGAGTGGGCGAAAAACGGGCAGCTCAATATGCCG GTGGTGATGATGAGCGGCATGCCAGCATCGATACCGCCGTGGAAGCCACCAAAATCGGC GCGATCGATTTTTTGGAAAAACCGATTTCCCTGCAAAAGCTGCTGTCTGCCGTCGAAAAC GCGTTGAAGTACGGTGCGGCGCAAACCGAAACGGGGCCTGTATTCGACAAGCTGGGCAAC AGTGCGGCGATTCAGGAAATGAACCGTGAGGTAGGGGCTGCGGTGAAATGTGCCTCTCCC GTACTTTTGACGGGCGAGGCGGGTTCGCCGTTTGAAACGGTGGCACGCTATTTCCATAAA **AACGGTACGCCGTGGGTCAGCCCGGCAAGGGTCGAATATCTGATCGATATGCCGATGGAA** CTGTTGCAGAAGGCGGAGGGCGCGTTTTGTATGTCGGCGACATCGCCCAGTACAGCCGC AACATCCAAGCCGGTATTGCCTTTATTGTCGGAAAGGCGGAACACCGCCGCGTCAGGGTG GTCGCATCGGGCAGCAGGGCAGGTTCAGACGGCATTGCCTGCGAGGAAAAGCTGGCG GAACTGCTGTCGGAATCGGTCGTCCGTATTCCGCCGCTGCGTATGCAGCATGAAGACATT CCCTTCCTGATACAGGGGATTGCCTGCAATGTGGCGGAAAGCCAAAAGATTGCGCCTGCC TCATTCAGTGAAGAGGCACTTGCCGCATTGACCCGTTACGACTGGCCGGGAAATTTCGAC TTCGAGTACCACATCGCCCAAGAAGGTCAGAATATGAGCCAAGTGGCGCAGAAAGTTGGT TTGGAACGCACGCACCTTTACCGCAAACTCAAACAGCTCGGCATCGGCGTTTCGCGCCGG GCGGGGGAAAAAACCGAAGAATAGGCCCGGACGGCCGGTTTACCGGCTGCGGGCTTTTGT TTTCAGACGGCATTTGGTGCAAATGCCGTCTGAAATCGTAAGGGGACGGATTTTATGACA GAGGACGAACGTTTCGCGTGGCTGCAATTGGCGTTTACGCCCTATATCGGCGCGGAAAGT TTCCTGCTGCTGATGCGCCGTTTCGGCAGCGCGCAAAATGCCCTGTCCGCACCGGCGGAA CAGGTGGCGGCACTGATACGGCACAAACAGGCGCTTGAGGCTTGGCGCAATGCGGAAAAA CGCGCTCTGGCGCGGCAGGCGGCAGAAGCGGCATTGGAATGGGAAATGCGGGACGGATGC CGCCTGATGCTGCTTCAGGATGAAGATTTTCCCGAAATGCTGACGCAGGGGCTGACCGCG CCACCGGTTTTGTTTTTGCGCGGCAACGTGCAACTGCTGCACAAACCTTCCGCCGCCATC GTCGGCAGCCGTCATGCCACGCGGCAGGCGATGCGGATTGCCAAAGATTTCGGCAAGTCG TTGGGTGGGAAAGGCATTCCCGTTGTGTCGGGTATGGCTTCGGGCATCGATACCGCCGCC

CATCAGGGTGCGTTGCAGGCAGAAGGCGGCACCATCGCCGTGTGGGGGACGGGCATAGAC GTCAGCGAGTTCCCCATCGGCACGGGGCCGTATGCCGGCAATTTTCCGCGCCGCAACCGC CTGATTGCCGCCCTGTCGCAAGTAACGCTGGTGGTTGAAGCCGCGTTGGAATCCGGTTCG CTGATTACTGCCAGATTGGCGGCGGAGATGGGGGCGCAAGTGATGGCGGTACCCGGCTCG ATAGACAATCCACACAGTAAAGGCTGCCACAAACTGATTAAAGACGGCGCAAAATTGGTG GAATGCCTGGACGACATCCTGAACGAATGCCCGGGGCTATTGCAAAATACGGGTGCTTCA TCATATTCTATAAATAAGGGAATACCTGAAAAGCGCATCACTGCCGTTCAGACGGCATCC GACCAGCTGTCTCTGCCTGAAGGCAAAATGCCGTCTGAAAAGACGGAGAACCGACCCGTC GGCGGCAGTATCTTGGACAGGATGGGTTTCGACCCAGTTCATCCCGACGTGCTTGCCGGA CAGTTGGCTATGCCTGCCGCAGATTTGTATGCCGCACTGTTGGAATTGGAATTGGACGGC AGCGTTGCCGCAATGCCCGGCGCAGATACCAGCGTATCCGAACTTGAACGCACTTTATA TTAAGGAACACGAATGACCGAAGTCATCGCCTACCTCATCGAACATTTCCAAGATTTCGA TACCTGCCCGCCCGAAGACTTGGGTATGCTGCTTGAAGAAGCGGGTTTCGATACGAT GGAAATCGGCAACACCCTGATGATGATGGAAGTATTGCTCAACAGCTCCGAATTTTCCGC CGAACCCGCCGACAGCGCGCATTGCGCGTGTACAGCAAAGAAGAAACCGACAACCTGCC GCAGGAAGTGATGGGGCTGATGCAGTATCTGATTGAAGAAAAAGCCGTCAGCTGCGAACA GCGGGAAATCATCACCACGCGCTCATGCACATTCCGGGCGACGAAATTACCGTAGATAC CGGCGACGAGCTGATGAGCGCGCTTTTACTCGACAACAAACCCACGATGAACTGAAGCGG CTTCAGACGCCCGCCCGAGTCCGTCTGAAACGTCGGCATCAAAACCACCATCCAGAGAA CGACAAATGGCGAAAAACCTATTAATCGTCGAATCCCCGTCCAAAGCCAAAACCCTGAAA AAATATTTGGGCGGCGATTTTGAAATCCTTGCATCCTACGGACACGTCCGCGACCTCGTC CCCAAAAGCGGCGCGGTCGATCCCGACAACGGCTTTGCGATGAAATACCAACTCATCAGC CGCAACGCCAAACACGTCGATGCCATCGTCGCCGGTGCCAAAGAAGCTGAAAACATCTAC CTCGCCACCGACCCGGATAGGGAAGGCGAAGCCATTTCCTGGCATCTTTTGGAAATCCTC AAATCCAAACGCGGCTTGAAAAACATCAAGCCGCAGCGTGTCGTGTTCCACGAAATCACC AAAAACGCCGTGCTCGATGCCCGTTGCCCATCCGCGCGAAATCGAAATGGACTTGGTCGAT GCGCAACAAGCCCGTCGCGCTTTGGACTATTTGGTCGGTTTCAACCTTTCGCCATTGTTG TGGAAAAAATCCGTCGCGGTTTGAGCGCGGGCCGTGTACAAAGCCCCGCACTGCGTTTG ATTTGCGAACGCGAAAACGAAATCCGCGCGTTTGAAGCGCAGGAATATTGGACGGTACAT CTAGACAGCCACAAAGGCCGCAGCAAGTTCACCGCCAAACTCGCCCAATACAACGGCGCG AAACTCGAACAATTCGACCTGCCGAACGAAGCCGCTCAAGCCGATGTGTTGAAAGAACTC GAAGGCAAAGAGGCCGTCGTTACCGCCATCGAAAAGAAAAAGCGCAGCCGCAACCCCGCC GCGCCGTTTACCACATCCACCATGCAGCAGGATGCTGTGCGCAAACTCGGCTTCACCACC GACCGCACCATGCGTACCGCCCAGCAGCTTTACGAAGGTATTGACGTAGGGCAGGGTGCC ATCGGTCTGATTACCTATATGCGTACCGACAGCGTGAACTTGGCGGATGAAGCCTTAACC GAAATCCGCCATTACATTGAAAACAAAATCGGCAAAGAATATCTGCCGAGTGCCGCCAAA CAATACAAAACCAAATCCAAAAACGCCCAAGAAGCGCACGAAGCCATCCGCCCGACTTCC GTGTACCGCACGCCCGAAAGCGTCAAACCCTTCCTGAGCGCCGACCAGTTCAAACTCTAT ACCGTCGATATTACCGTCGGCAAAGGCGTATTCCGCGTAACCGGACAAGTGCAAACCTTC GCAGGCTTCCTCAGCGTTTACGAAGAAGCAGCGACGATGAAGAAGGCGAAGACAGCAAA **AAACTGCCCGAAATGAGCGAAGGCGACAAATTGCCCGTGGACAAACTCTACGGCGAACAA** CACTTTACCACTCCGCCGCCACGCTACAACGAAGCCACGCTGGTTAAAGCCCTCGAAGAA TACGGCATCGGCCGCCCTCGACCTACGCCAGCATCATCTCCACGCTCAAAGACCGCGAA TACGTTACCCTTGAGCAAAAACGCTTTATGCCCACCGACACAGGCGACATCGTCAATAAA TTCCTGACCGAACACTTCGCCCAATACGTCGATTACCACTTCACTGCCAAACTCGAAGAC CAGCTTGACGAAATTGCCGACGGCAAACGCCAATGGATTCCCTTGATGGACAAATTCTGG AAACCGTTCATCAAACAAGTGGAAGAAAAAGAAGGCATCGAACGCGCCAAATTTACCACG CAGGAACTTGATGAAACCTGCCCGAAATGCGGCGAACACAAACTGCAAATCAAATTCGGC AAAATGGGTCGTTTTGTTGCGTGTGCCGGTTATCCCGAGTGCAGCTACACGCGCAATGTC AACGAAACCGCCGAAGAAGCTGCCGAACGCATCGCCAAAGCCGAAGCCGAACAGGCCGAA CTCGACGGACGCGAGTGCCCGAAATGTGGCGGTCGCCTAGTGTACAAATACAGCCGCACC GGCAGCAAATTCATCGGCTGCGTCAACTATCCGAAATGCAAACACGTCGAGCCGCTGGAA AAACCGAAAGATACCGGCGTCCAGTGTCCGCAATGCAAAAAAGGCAACCTCGTCGAGCGC AAATCCCGCTACGGCAAACTGTTTTACAGTTGCAGCACCTATCCCGACTGCAACTACGCC ACTTGGAACCCGCCCGTTGCCGAAGAATGCCTGAACTGCCATTGGCCGGTCTTGACCATC AAAACCACTAAACGCTGGGGTGTAGAAAAAGTCTGCCCACAAAAAGAATGCGGCTGGAAA TCGTCTGAAAAATTTTCAGACGACCTTTGCTTTTCTGTGATTGGTTTATTTGAATCCGCG TGTTGTTTTAAAGTCCGATAAAATCCGGTTCATTTCAGGCGCAAACAAGGCGATGTAATC GTAAGATAGACCGCGACTGGCACTGGGATGGGGAAAGCAGACGACTTCGCAATCTTCAAA CGATTGGAATTTGACATTGAAACGTGTACCGTCAAATTCTTTTTGCACCGTCTCCAGCGG TTTGGTCTGCTTACCGACCAACTGCTCGAAGCGTGGCAGTACATTTTGGTTGTTCAGAAA **ATCCGCCAACCTGCTGCCCATGAAGAGGATGACTTTCGGACGCAGTTTTTCGATGTGGTA** GAGAAAATTATCGATGTGCTCGGGTTGTGTGAACTTGTCGGGATTGTCGATAGTGTTGCC CTGTGTAGCAGCCCAGTTGGTTTGAACCAGGGATTTTTCAAATGCACCGCCCAATCCATT TTCGTCTAAGGGGTGTCCCCACATTTCAAACCAATTTTTTATCGTATTGTCGTAACGCCA CTTTTTTGCCTGCTCTCCGAAATAGAGGGATTTGTTTGCAAATGTATGGTCGATTTTGTT TTCAGGGAGTTTGTATTCACCTGCTACATAAGCAGCCTCATCGGCTTTACTCCAACCCCA TTCATAGCCACAAATCATTAAGCCATGTTTGTCGTTGTAGCCTTTGAACAGGCTGTTGCT CAAATTCAAATCCTTCATCATGAACTCTTCCTTTTAAAATTTAAGAGCGATTGACTTCAA TGTTTTTAGATGGGGTGGAAAAATCCTTGTGTAGGCAACATAAATTCAATAAATTCTTG ATAATTCGAAACCTACTAATAGCGCACCTATAAAAGCTTTTCATTACGTTCAGCATGAC

GGTCACGTCGTTCATATTTTTTACGCTTGCTGTTCCCTGTTATTACAGCTAAGCCAAGTG ATATGCCGAGAATTGCCCAAACAATAGTACTTAATAACAATTTTCCCCATACTATCAATA AGGAAAGAAAAACCTTTTAGTATTAGATCGATAGGTTATAATCCATGCCCATGAAAATG TTAGAGCGATGAGGATGACAGGTGTCAAGAAAATAATAGTTACATCCCGATAGCTATAAA AGAAAACTGCCCTATTTTGAATGTGGAGATGTGCACAGAATCCAATATAGCTAAGGATAA TAGTTAATATAATAAAAAAAGACCACCAAGGGTGAAGAGATAGGAATTCCATGTTTTCCC GTTTAAAATCTATCCCAATAATTCAACCATCTATACAGAAAGTTCAGCTTATGGAAACCC ACGAAAAAATCCGCCTGATGCGCGAATTGAATAAATGGTCCCAGGAGGATATGGCGGAAA AGCTGGCGATGTCGGCAGGCGGGTATGCCAAAATCGAACGGGGCGAAACGCAGTTAAATA TCCCGCGTTTGGAGCAGTTGGCTCAGATTTTCAAAATCGATATGTGGGACTTGCTCAAAT CGGGCGGTGGTGGTGTTTTCAGATTAATGAAGGTGATAGTGGTGGCGATATTGCGT TGTATGCGTCGGGTGATGTTTCGATGAAAATAGAATTTTTAAAAATGGAGTTGAAACACT GCAAAGAAATGTTGGAACAAAAAGACAAAGAAATCGAGCTGCTCCGCAAGCTGACCGAAA CCGTTTAAACAGATATGCCGTCTGAAAAAAGTTTTCAGACGGCATATTCTTTGACAGGTC CACAGCAACCGGGTACGCATTATCGGCGGGCAATGCCGGGGCAGGAAATTGAGTTTCACA TCCGCCgACGGACTGCGTCCGACACCCGACAGCGTGCGTGAAAAGCTGTTTAACTGGCTG GGACAGGATTTGACGGGTAAAACGGTTTTGGATCTCTTCGGAGGCAGCGGCGCACTCGGT ATAGAAGCCGCTTCGCGCAACGCCAAACGCGTGCTGATTTCGGATAACAACCGCCAAACC GTGCAGACCTTGCAGAAAAACAGTCGCGAACTGGGTTTGGGGCAGGTGCAAATCGTCTTT TCAGACGGCATCGCATATTTGAAGACCGTATCCGAACAGTTTGATGTTGTCTTTCTCGAC CCGCCGTTTGCATGGCAGGACTGGCAAATCCTGTTCGATGCCTTGAAGCCGTGCCTGAAC CCCCGGGCATTCGTCTATCTCGAGGCGGGTACGCTGCCGAATATTCCCGATTGGCTGACG ${\tt GAATATAGAGAAGGGAAATCGGGGCAGAGTACATTTGAATTAAGGGTTTTCCAAGTGGCT}$ GAATAATATGCGCTTTGATAATCATTTCCGAGTTGTAAACATTCGTTTGCAACCGTCCGG TTCAAAAAACCTTGTGCTATAATCCGCGCCCGCCCGGTTTTGATAATTTAGTGGAAAAG GAAAAGAAATGTCGCTTTTTATTACCGACGAGTGCATCAACTGCGACGTATGCGAACCCG AATGCCCCAATGATGCCATTCCCAAGGCGAGGAAATTTACGAAATCAACCCCAACCTCT GCACGCAGTGCGTCGGACACTACGATGAGCCGCAGTGCCAGCAGGTTTGCCCGGTGGACT GCATCCTGATTGACGAAGAACATCCCGAAACCCATGACGAGTTGATGGCGAAATACGAAA AGATTATCCAGTTTAAATAAATTCTTTTTAAAACATCAAATTATGTCTGTTTTGAAATAA AATCAAAAAAAAACTTGACGGAAAAGCAAGCCGCTAATAAACTAACGTTCTCTTTTGGAG GGATTCCCGAGCGGTCAAAGGGGGCAGACTGTAAATCTGTTGCGAAAGCTTCGAAGGTTC GAATCCTTCTCCCTCCACCAAAATTCTTACTTGGGGCAGTAGCGAGTAATGCGGGTGTAG CTCAATGGTAGAGCAGAAGCCTTCCAAGCTTACGGTGAGGGTTCGATTCCCTTCACCCGC TCCAAACAATTAGGCCCATGTAGCTCAGGGGTAGAGCACTCCCTTGGTAAGGGAGAGGTC GGCAGTTCAAATCTGCCCATGGGCACCATCTCTCGATTATTCATTTCTTTAAGGCTTAGA TATATAGGATATTGCCATGGCTAAGGAAAATTCGAACGTAGCAAACCGCACGTAAACGT TGGCACCATCGGTCACGTTGACCATGGTAAAACCACCCTGACTGCCGCTTTGACTACTAT TTTGGCTAAAAAATTCGGCGGTGCTGCAAAAGCTTACGACCAAATCGACAACGCACCCGA AGAAAAAGCACGCGGTATTACCATTAACACCTCGCACGTGGAATACGAAACCGAAACCCG CCACTACGCACACGTAGACTGCCCGGGGCACGCCGACTACGTTAAAAACATGATTACCGG CGCCGCACAAATGGACGGTGCAATCCTGGTATGTTCCGCAGCCGACGGCCCTATGCCGCA AACCCGCGAACACCTCCTGCTGGCCCGCCAAGTAGGCGTACCTTACATCATCGTGTTCAT GAACAAATGCGACATGGTCGACGATGCCGAGCTGTTGGAACTGGTTGAAATGGAAATCCG CGACCTGCTGTCCAGCTACGACTTCCCCGGCGATGACTGCCCGATTGTACAAGGTTCCGC ACTGAAAGCCTTGGAAGGCGATGCCGCTTACGAAGAAAAATCTTCGAACTGGCTGCCGC ATTGGACAGCTACATCCCGACTCCCGAGCGAGCCGTGGACAAACCGTTCCTGCCTAT CGAAGACGTGTTCTCCATTTCCGGCCGCGGTACAGTAGTAACCGGCCGTGTAGAGCGCGG AGGCGTATTGCTGCGCGGTACCAAACGTGAAGACGTGGAACGCGGTCAGGTATTGGCTAA ACCGGGTACTATCACTCCTCACACCAAATTCAAAGCAGAAGTATACGTACTGAGCAAAGA AGAGGGTGGTCACACTCCGTTCTTCGCCAACTACCGTCCGCAATTCTACTTCCGTAC CACCGACGTAACCGGCGCGGTTACTTTGGAAGAAGGTGTAGAAATGGTAATGCCGGGTGA AAACGTAACCATCACCGTAGAACTGATTGCGCCTATCGCTATGGAAGAAGGCCTGCGCTT TGCGATTCGCGAAGGCGGCCGTACCGTGGGTGCCGGCGTGGTTTCTTCTGTTATCGCTTA AGTTTAGAGGCCAATAGCTCAATTGGTAGAGTATCGGTCTCCAAAACCGAGGGTTGGGGG TTCGAGACCCTCTTGGCCTGCCAAATAAAAAATTAACCGGCCTTGTGTCGGTTAATTTTT TTGTATTTGTTATTTAGTAAACTCTCTTGCCATTTACATGGATTGAGAATAGACAGATGC TATGATGGATAAATAATATGACAGAACATACGCCTGAAAAAAAGAACGTTAAAGTGGATC ATTTCTCAAATTCTTGGTCCGAATTCAAAAAGGTGGTTTGGCCTAAGCGTGAAGATGCTG TCAGAATGACTGTATTTGTTATAGTGTTTGTTGCTGTGCTTTCTATATTTATCTATGCGG CAGATACAGCAATTTCGTGGTTATTTTTTGATGTATTGCTGAGAAGGGAAGGTTGAGATG TCGAAAAAATGGTATGTTGTACAGGCGTATTCGGGGTTTGAGAAGAATGTCCAACGAATA TTGGAAGAGCGCATTGCCCGTGAGGAGATGGGAGATTATTTCGGACAAATTCTGGTGCCT CCTGGTTATGTGCTAGTTGAGATGGAAATGACAGATGACTCTTGGCATCTTGTAAAAAGC ACCCCCGTGTTTCCGGTTTTATTGGAGGGAGGGCTAATAGACCTACGCCGATTAGTCAG AGAGAGGCTGAAATTATTTTACAGCAGGTTCAGACCGGCATAGAGAAGCCGAAACCAAAA GTTGAATTTGAGGTCGGTCAACAGGTTCGTGTAAATGAAGGGCCGTTTGCGGATTTTAAC GGGGTGGTTGAGGAGGTCAATTATGAACGGAATAAGTTACGCGTGTCTGTTCAGATATTT

GGTAGAGAAACACCCGTTGAGCTGGAGTTCAGCCAGGTTGAAAAGATTAACTGATTTTTA TACTTGAAAAAAAAGCAATAAGAGGATAGAATCAAAAATTAACTTGGGGAGCGGAAATGG TTCCGCGTCTTACCCGTTTTTAGGAGTTCGTTAAGTGGCAAAGAAATTATCGGCTATAT TAAACTGCAAATTCCTGCAGGTAAAGCCAATCCATCTCCTCCGGTTGGTCCTGCTTTGGG TCAGCGCGGTTTGAATATTATGGAATTTTGTAAGGCATTTAATGCTGCAACCCAAGGTAT GGAGCCTGGCTTACCGATTCCGGTTGTGATTACTGCATTTGCAGATAAATCATTCACATT TGTGATGAAAACCCCGCCAGCTTCTATCTTGTTGAAAAAGGCTGCCGGTTTGCAAAAAGG TAGTTCTAATCCTCTGACCAACAAGTGGGTAAATTGACCCGTGCCCAGTTGGAAGAAAT TGCTAAAACTAAAGATCCTGATTTGACTGCTGCTGACTTGGATGCGGCTGTCCGTACTAT AGCAGGTTCTGCTCGCTCAATGGGCTTGGATGTGGAGGGTGTTGTATAATGGCTAAAGTA TCTAAACGCTTGAAAGCTCTTCGCTCTTCTGTGGAAGCCAATAAATTATATGCAATTGAT GAAGCAATTGCTTTGGTAAAAAAAGCAGCGACTGCTAAATTTGACGAGTCTGTTGACGTA TCTTTCAACTTGGGCGTTGATCCGCGTAAATCTGACCAAGTTATCCGTGGTTCGGTCGTT CTGCCTAAAGGCACCGGTAAGATAACCCGTGTGGCTGTATTTACTCAAGGTGCAAATGCA GAAGCTGCTAAAGAAGCTGGTGCAGATATCGTCGGTTTCGAAGATTTGGCTGCTGAAATC AAAGCAGGCAATCTGAACTTTGATGTCGTTATTGCTTCTCCCGATGCAATGCGTATTGTT GGTCAGTTGGGTACTATTTTGGGTCCTCGAGGCTTGATGCCAAACCCTAAAGTAGGTACG GTTACTCCTAACGTTGCTGAAGCAGTTAAGAATGCAAAAGCAGGTCAAGTACAATACCGT ACAGATAAAGCAGGTATCGTTCATGCAACGATTGGTCGTGCTTCTTTCGCTGAAGCTGAT TTGAAAGAGAACTTTGATGCGTTGCTGGATGCTATCGTTAAAGCCAAGCCTGCTGCCGCT AAAGGTCAGTATCTGAAAAAAGTTGCTGTGTCTAGCACCATGGGTTTGGGTATTCGCGTT GATACATCAAGCGTAAATAACTAATCTTAAGGAATTTTCAAGCAGTTTGGTTTTCTGGGC TGCTTGAATTTGGGCTACTTAAAATTAAGTAGATGTCCAAGACCGTAGGGATCGTAAGAT TTAATCGTAACTGCCCTACGCAGACGGTAGTCCTGAAACACATTGCAAGATTGCTTGTAA GATGTCTTTTTAGGTTACCGCGCTGGTGGGATATCGTTTTTGGTATCCTGTTTATAAACAG TGGGAGGTAGACCTTGAGTCTCAATATTGAAACCAAGAAAGTGGCGGTCGAGGAAATTAG CGCGGCAATTGCTAATGCTCAAACCCTCGTAGTCGCTGAATATCGCGGTATCAGTGTTTC CAGTATGACTGAGCTTCGTGCGAATGCACGTAAAGAAGGCGTTTATTTGCGCGTTCTGAA AAATACTTTGGCTCGTCGTGCAGTGCAAGGTACTTCATTTGCAGAATTGGCCGATCAAAT GGTTGGTCCGTTGGTTTACGCTGCTTCTGAAGATGCTGTTGCTGCTAAAGTGTTGCA CCAATTCGCGAAAAAGATGACAAAATTGTCGTTAAAGCCGGTTCTTACAATGGCGAAGT AATGAATGCTGCTCAGGTTGCTGAGTTGGCTTCTATTCCGAGCCGCGAAGAGCTGTTGTC CAAACTGTTGTTCGTTATGCAAGCTCCTGTATCGGGCTTTGCGCGCGGTTTGGCTGCTTT GGCAGAGAAAAAAGCCGGCGAAGAAGCCGCTTAATCGATTTTGTTTCTGTTAATCAATTA TTTTTTAATACAATATTTGGAGTAAAATAGCATGGCTATTACTAAAGAAGACATTTTGGA AGCAGTTGGTTCTTTGACCGTAATGGAATTGAACGACTTGGTTAAAGCTTTTGAAGAAAA ATTCGGTGTTTCTGCTGCTGCTGCTGCAGTTCCAGGTCCTGCTGCTGCCGGTGCTGCCGA TGCTGAAGAAAAACCGAATTTGATGTCGTTTTGGCTTCTGCCGGCGATCAAAAAGTCGG CGTGATTAAAGTTGTCCGTGCAATTACCGGTTTGGGTCTGAAAGAAGCTAAAGACATCGT TGACGGCGCACCTAAAACCATTAAAGAGGGTGTTTCTAAAGCTGAAGCCGAAGACATCCA AAAACAACTGGAAGAAGCAGGCGCTAAAGTCGAAATCAAATAATTTGATGCTTCTTATGA AGGCTGGCAGTTTTCTGCCAGCCTTATTTTGCTTCTTAAAATAAACATCAAGTATTGTTT CGTACCGTTGTTTCAGACGGCCTATTATTGAAAATTACTTTTCGGAGTGTGTATGAACTA TTCGTTTACCGAGAAAAACGTATCCGTAAGAGTTTTGCAAAGCGGGAAAATGTTTTGGA **AGTTCCTTTCTTGCTAGCAACCCAAATTGATTCTTATGCGAAGTTTTTTGCAGCTGGAAAA** TGCTTTTGACAAACGTACCGATGACGGTCTGCAGGCGGCATTTAATTCTATTTTCCCGAT TGTGAGCCATAACGGTTATGCGCGATTGGAGTTTGTGCATTACACATTGGGCGAGCCTTT TATCCGTTTGGTGATTTTGGATAAGGAAGCATCTAAACCGACGGTAAAAGAAGTTCGTGA AAACGAAGTGTATATGGGCGAAATTCCGTTGATGACCCCGAGCGGTTCTTTTGTGATTAA CGGCACAGAGCGTGTGATTGTCTCCCAGTTGCACCGTTCGCCCGGCGTATTCTTCGAGCA CCGTGGTTCATGGTTGGATTTTGAATTTGATCCGAAAGATTTGCTGTATTTCCGTATCGA CCGCCGCCGTAAAATGCCGGTAACGATTTTGTTGAAGGCTTTAGGCTACAACAATGAGCA **AATCTTGGATATTTTCTACGACAAAGAAACGTTCTATTTGTCTTCAAACGGTGTTCAAAC** CGATTTGGTTGCAGACCGTCTGAAAGGCGAAACTGCCAAGGTCGATATCTTGGATAAAGA AGGCAATGTATTGGTTGCCAAAGGTAAGCGCATTACTGCGAAAAATATCCGTGATATTAC CAATGCAGGCCTGACCCGTTTGGATGTAGAACCGGAAAGCCTGCTGGGCAAAGCATTGGC TGCCGATCTGATTGATTCGGAAACCGGCGAGGTATTGGCTTCTGCCAATGATGAAATTAC AGAAGAGTTGTTGGCCAAATTTGATATCAACGGCGTAAAAGAAATTACGACCCTTTATAT CAATGAGCTGGATCAGGGTGCTTATATCTCCAATACCTTGCGTACGGATGAGACTGCCGG CCGGCAGGCGGCTCGTGTTGCGATTTACCGTATGATGCGTCCGGGCGAACCGCCCACCGA AGAGGCGGTCGAGCAATTGTTTAACCGCTTGTTCTTCAGTGAAGACAGCTACGATCTGTC CCGCGTAGGCCGTATGAAATTTAATACGCGCACATACGAACAAAAACTGTCCGAAGCCCA ACAAAACTCTTGGTACGGCCGCCTGCTGAACGAAACGTTTGCCGGTGCTGCCGACAAAGG CGGTTATGTCCTGAGCGTCGAAGATATTGTCGCCTCGATTGCGACTTTGGTCGAGTTGCG TAACGGCCATGGCGAAGTGGACGATATCGATCACTTGGGCAACCGCCGAGTACGTTCGGT AGGCGAGCTGACTGAAAACCAATTCCGTAGCGGTTTGGCCCGTGTGGAACGTGCCGTAAA AGAACGTTTGAATCAGGCGGAATCAGAAAACTTGATGCCGCACGATTTGATTAATGCAAA ACCTGTTTCTGCCGCTATTAAAGAATTCTTCGGCTCCAGCCAATTGAGTCAGTTTATGGA TCAGACCAACCCCTTGTCTGAAGTAACCCATAAACGCCGTGTATCTGCATTGGGTCCGGG CGGTTTGACCCGCGAACGTGCAGGATTTGAGGTGCGGGACGTGCATCCGACCCACTACGG TCGCGTATGTCCGATTGAAACGCCTGAAGGTCCGAACATCGGTTTGATCAACTCATTGTC CGTTTATGCGCGCACCAATGATTACGGTTTCTTGGAAACGCCTTACCGCCGCGTTATCGA

CGGCAAAGTAACCGAGGAAATCGATTACTTGTCTGCCATCGAAGAAGGCCGCTATGTGAT TGCACAGGCGAATGCCGATTTGGATTCAGATGGCAATCTGATTGGCGATTTGGTTACCTG TCGTGAAAAAGGCGAAACCATTATGGCAACGCCCGACCGCGTCCAATATATGGACGTGGC AACTGGTCAAGTGGTATCCGTTGCAGCATCCCTGATTCCATTCTTGGAACATGATGACGC AAAACCGATGGTCGGTACCGGTATCGAGCGTTCCGTTGCCGTTGACTCTGCTACTGCAAT CGTTGCCCGCCGAGGCGGCGTGGTCGAGTATGTCGATGCCAACCGCGTTGTGATCCGTGT CCATGACGACGAAGCGACTGCCGGTGAAGTGGGTGTCGATATTTACAACTTGGTTAAATT CACCCGTTCCAACCAGTCTACCAATATCAATCAGCGTCCTGCCGTCAAAGCCGGCGATGT TTTGCAACGCGGCGATTTGGTGGCCGACGGCGCGCCCCCGATTTTGGCGAATTGGCTTT GGGTCAAAATATGACCATCGCCTTCATGCCGTGGAACGGTTACAACTACGAAGACTCGAT TCTGATTTCCGAAAAAGTGGCTGCGGACGACCGCTATACTTCGATTCACATTGAGGAATT GAATGTCGTTGCCCGCGATACTAAGCTGGGTGCGGAAGACATTACCCGCGATATTCCGAA CTTGTCCGAGCGTATGCAAAACCGTTTGGACGAATCCGGTATCGTTTACATCGGTGCGGA AGTAGAAGCCGGCGATGTGTTGGTAGGCAAGGTAACGCCTAAAGGCGAAACCCAACTGAC GCCGGAAGAAAACTGCTGCGCGCCATCTTCGGTGAAAAAGCATCTGACGTAAAAGATAC TTCATTGCGTATGCCTACCGGCATGAGCGGTACCGTTATCGACGTTCAAGTCTTCACTCG TGAAGGTATTCAACGCGACAAACGTGCTCAATCCATTATCGATTCCGAATTGAAACGCTA CCGTTTGGATTTGAACGACCAATTGCGTATTTTCGACAACGACGCATTCGACCGTATCGA GCGTATGATTGTCGGTCAGAAAGCCAACGGTGGTCCGATGAAGCTGGCCAAAGGCAGCGA AATCACGACCGAATATCTGGCGGGTCTGCCGAGCAGGCACGATTGGTTCGATATCCGTCT GACCGATGAAGATTTGGCCAAGCAGTTGGAACTGATTAAAGTGAGCCTGCAACAAAAACG CGAAGAAGCGGACGAGTTATACGAAATCAAGAAGAAAAAACTGACCCAAGGCGACGAATT GCAACCCGGCGTACAAAAAATGGTGAAAGTTTTTATCGCCATCAAACGCCGTCTGCAAGC CGGCGACAAAATGGCGGGCCGCCACGGTAACAAAGGCGTGGTATCGCGCATTCTGCCAGT GGAAGACATGCCTTACATGGCGGACGGCCGTCCGGTAGACATCGTACTGAACCCATTGGG CGTACCTTCCCGTATGAACATCGGTCAGATTTTGGAAGTTCACTTGGGTTGGGCAGCAAA AGGTATCGGCGAGCGTATCGACCGTATGCTGAAAGAGCAACGCAAAGCAGGCGAGTTGCG TGATGAAGAAATCATCGAACTGGCCTCCAACCTGCGCAAAGGTGCATCTTTCGCCTCTCC TGTATTCGACGGTGCGAAAGAGTCTGAAATCCGCGAAATGCTGAACTTGGCTTATCCGAG CGACGATCCTGAGGTTGAAAAACTGGGCTTCAACGACAGTAAAACCCAAATCACGCTGTA TGACGGCCGTTCAGGCGAAGCATTTGACCGCAAGGTTACAGTAGGTGTGATGCACTATCT GAAACTGCACCACTTGGTTGACGAAAAAATGCACGCGCGTTCTACCGGTCCGTACAGTCT GGTTACCCAGCAGCCTTTGGGCGGTAAAGCCCAGTTCGGCGGCCAACGTTTCGGCGAGAT GGAGGTTTGGGCATTGGAAGCATACGGCGCGCATACACGCTGCAAGAGATGCTGACTGT GAAGTCTGACGACGTGAACGGCCGTACCAAAATGTACGAAAAACATCGTCAAAGGCGAACA CAAAATCGATGCCGGTATGCCCGAGTCCTTCAACGTATTGGTCAAAGAGATTCGCTCACT GGGCTTGGATATCGATTTGGAACGTTACTAAACAAAAGTTTTCAGACGGCCTTTCAGGGT CGTCTGAAAAGTGGTTTCAGAATAAGAATGAAGCAATCGGCATTTAGGCCGTCTGAAAT AGCAAAAATGAATTTGTTGAACTTATTTAATCCGTTGCAAACTGCCGGCATGGAAGAAGA GTTTGATGCCATTAAAATCGGTATTGCCTCTCCCGAAACCATCCGCTCATGGTCTTATGG CGAAGTCAAAAAACCTGAAACCATCAACTACCGTACGTTCAAACCTGAGCGTGACGGTTT GTTCTGTGCCAAAATCTTTGGCCCGGTCAAAGACTACGAATGCTTGTGCGGAAAATACAA ACGCTTGAAATTTAAAGGCGTAACGTGTGAAAAATGCGGCGTGGAAGTAACCCTGTCCAA AGTGCGCCGCGAACGCATGGGTCATATCGAATTGGCTGCGCCCGTCGCACATATTTGGTT CTTAAAATCCCTGCCTTCCCGCTTGGGTATGGTGTTAGACATGACTTTGCGCGACATCGA GCGCGTATTGTACTTTGAAGCATTTGTGGTAACCGATCCCGGTATGACTCCGCTGCAACG CCGCCAATTGCTGACTGAAGACGATTACTACAACAAGCTGGACGAATACGGCGACGATTT CGATGCCAAAATGGGTGCGGAAGGTATCCGCGAATTGCTGCGTACCCTGAATGTAGCGGG CGAAATCGAAATCCTGCGCCAAGAGTTGGAATCGACCGGTTCCGACACCAAAATCAAAAA AATCGCCAAACGCTTGAAAGTATTGGAAGCCTTCCATCGTTCCGGTATGAAACTGGAATG GATGATTATGGATGTGCTGCCGGTATTGCCGCCTGATTTGCGTCCGTTGGTTCCATTGGA TGGTGGTCGTTTTGCCACTTCCGATTTGAACGATTTGTACCGCCGCGTTATTAACCGTAA CAACCGTCTGAAACGTCTGTTGGAACTGCATGCGCCTGACATCATCGTCCGCAACGAAAA ACGTATGTTGCAAGAAGCAGTTGACTCGCTGTTGGATAACGGCCGTCGCGGTAAAGCCAT GACCGGCGCCAACAAACGCCCGCTGAAATCATTGGCAGACATGATTAAAGGTAAAGGCGG TCGCTTCCGTCAAAACCTGTTGGGCAAACGTGTGGACTACTCCGGCCGTTCCGTGATTAC GTTCAAACCGTTCATTTTCCACAAATTGGAAAAACAAGGTTTGGCCTCTACCGTTAAAGC AGCGAAAAAATTGGTAGAGCAAGAAGTACCGGAAGTATGGGACATCTTGGAAGAAGTCAT CCGCGAACATCCGATTATGCTGAACCGTGCGCCGACCCTGCACCGTTTGGGTATTCAAGC GTTCGAACCTATCTTGATTGAAGGTAAAGCGATTCAGTTGCACCCATTGGTGTGTGCTGC GTTCAACGCCGACTTTGACGGCGACCAAATGGCGGTACACGTTCCATTGAGCTTGGAAGC ACAAATGGAAGCACGCACGCTGATGCTGGCTTCAAACAACGTATTGTCTCCGGCCAACGG CGAACCGATTATCGTACCTTCCCAAGACATCGTATTGGGCCTGTACTATATGACTCGCGA TCGTATCAATGCCAAAGGCGAAGGCAGCCTGTTTGCCGATGTGAAAGAAGTGCATCGCGC ATACCATACCAAACAGGTCGAGCTGGGTACGAAAATCACCGTACGTCTGCGCGAATGGGT GAAAAACGAAGCAGGTGAGTTTGAGCCTGTCGTTAACCGTTACGAAACAACCGTCGGCCG TGCATTGTTGAGCGAAATCCTGCCGAAAGGCCTGCCGTTTGAATATGTCAACAAAGCGTT GAAGAAAAAAGAAATTTCTAAACTGATTAACGCATCGTTCCGCCTGTGCGGCTTGCGCGA TACGGTTATCTTTGCTGACCACCTGATGTACACCGGTTTCGGATTTGCGGCAAAAGGCCGG AGCCAATGCCGAGGTTAAAGAAATCGAAGACCAATACCGTCAAGGTTTGGTTACCAACGG

CGAACGCTACAACAAGGTGGTCGATATTTGGGGTCGTGCCGGCGATAAGATTGCTAAAGC GATGATGGACAACTTGTCCAAACAAAAAGTTATCGACCGTGCCGGCAACGAAGTCGATCA AGAGTCATTCAACTCCATTTATATGATGGCGGACTCCGGTGCCCGTGGTTCTGCAGCTCA GATTAAACAGTTGTCCGGTATGCGTGGCTTGATGGCAAAACCTGACGGCTCGATTATTGA AACGCCGATTACCTCAAACTTCCGTGAAGGTCTGACCGTATTGCAATACTTTATTGCGAC CCACGGTGCGCGTAAGGGTTTGGCGGATACCGCATTGAAAACCGCGAACTCCGGTTACCT GACTCGTCGTCGGTAGACGTAACTCAAGATTTGGTCGTTGTTGAAGACGATTGCGGTAC TTCAGACGGCTTTGTCATGAAGGCAGTGGTACAAGGCGGTGATGTGATTGAAGCATTGCG CGATCGTATTTTGGGTCGTGTTACCGCGTCTGACGTTGTCGATCCGTCAAGTGGCGAAAC CTTGGTTGAAGCCGGTACGTTGCTGACTGAAAAACTGGTGGATATGATCGACCAATCCGG TGTCGATGAAGTCAAAGTCCGTACGCCGATTACTTGTAAAACCCGTCACGGCCTGTGTGC ACACTGTTACGGTCGTGACTTGGCACGCGGCAAACTGGTTAACGCCGGTGAGGCAGTCGG TGTGATTGCTGCACAATCCATTGGCGAACCGGGTACCCAGTTGACCATGCGTACGTTCCA CATCGGTGGTGCGGCATCCCGTGCGGCAGCCAGCCAAGTGGAAGCCAAATCCAACGG CATCGGCCGTTCTTGTGAAGTCGTGATTCACGACGATATCGGCCGTGAACGCGAACGCCA CAAAGTACCTTACGGTGCCATCCTGCTGGTACAAGACGGTATGGCCATTAAAGCCGGTCA AACCTTGGCAACCTGGGATCCGCATACCCGTCCGATGATTACCGAACACGCAGGTATGGT TTTGTCCACTTTGGTGGTGATTGACGGTAAACGTCGTTCCTCTAGTGCTTCCAAACTGCT GCGTCCGACTGTGAAACTCTTGGACGAAAACGGCGTGGAAATCTGTATTCCCGGTACTTC TACTCCGGTATCCATGGCATTCCCCGTTGGTGCGGTGATTACCGTACGCGAAGGTCAGGA AATCGGTAAAGGCGACGTATTGGCGCGTATTCCGCAAGCCTCTTCCAAAACCCGCGACAT TACCGGCGGCCTGCCGCGTTGCCGAATTGTTTGAAGCACGCGTGCCGAAAGATGCCGG TCTGATTGTTACTGACGTGGACGGTGTAGCATACGAGACCTTGATTTCCAAAGAGAAACA **AATTCTGGTACACGACGGTCAAGTGGTAAACCGCGGTGAAACCATCGTGGACGGCGCGGT** CGATCCGCACGATATTCTGCGTTTGCAAGGTATCGAAGCACTGGCACGCTACATTGTCCA AGAGGTGCAAGAGGTTTACCGTCTGCAAGGTGTGAAGATTTCTGATAAACACATCGAAGT CATCATCCGTCAAATGTTGCGCCGTGTGAACATTGCGGATGCCGGCGAAACCGGGTTCAT TACCGGAGAGCAGGTCGAACGCGGCGATGTGATGGCGGCCAATGAAAAAGCTTTGGAAGA AGGCAAAGAACCGGCGCGTTACGAAAACGTATTGCTGGGTATTACCAAAGCTTCCCTGTC CACCGACAGCTTCATTTCTGCCGCATCGTTCCAAGAAACGACCCGCGTTCTGACCGAAGC CTTGATTCCTGCCGGTACCGGTTTGACTTACCACCGCAGCCGTCATCAACAATGGCAAGA GGTGGAACAGGAGACTGCCGAAACCCAAGTAACGGATGAATAATCTTTGGTGCATCCATT CAATAAAAAACCGCAAGCCTTGAGCTTGCGGTTTTTCTTTGTCCGATTAAGGCAAAAACA AGCGTTTTCGTCATTTTGAGGCGTGTGGATTATTCCTTAGGTATTTTCGGGCCGGAGACC AACGAGGTGGCGGGTGTCGTCGGTACGTCCGGAGACCAAAATAACTTTGCCAGGGATGTT GGTTTCGGCGGTCAAAAAAGTAGCGTCTTAATGTTTTCCATTTAAACAAATGTCGTCTG AAACTTCAGACGGCATTTCCTTTAAGAAATAAATATGAAACCCAGAAATCTCTTTTTTGC AGGCTGCCTGCTGACTTCGGCGACGTTTGCCGAGGATATCGGCGTACCTGTCGAACTGAT TAACGTCGGTAATCGGATTGCGATGCCGTCTGAAGGGGAAAGCCTCGCCCTCCTGCCGTT TGCCGAGGATGTACCGCCGGTTCGCGATGCAATGCCGTCTGAAGTTCCTAAAAGCGCGGC AGGCGGCGATGTTCGGGGTGACCGGATGAGAATGCCGATTAACATCGGATGAGCGCGGCT AAGATCAACAGCAATATGCCCGCCTTTTATTCGCGCAGCGGCAAGGAACGGTTTGTCAGT ATAGAAAAAACGTATTGACAGTATTTTCTTCAGTCGTCCGACTGATTGTGAGGGATGTCG GTAAATATTTATCGGCAAACAAGAAAATCATCTTTCTTCTTGTCGTTATGCTTGACTGTC TGCTTGCAATAAAAATATAATTCCACTCTTGCCGACATGGTGTCGGCAAGTATTTAACTC AACAGGACGAGAAAATATGCCAACTATCAACCAATTAGTACGCAAAGGCCGTCAAAAGCC CGTGTACGTAAACAAAGTGCCCGCACTGGAAGCTTGCCCGCAAAAACGTGGCGTGTGCAC CCGTGTATACACAACTACCCCTAAAAAACCTAACTCTGCATTGCGTAAAGTATGTAAAGT CCGCCTGACCAACGGTTTTGAAGTCATTTCATACATCGGCGGCGAAGGTCACAACCTGCA AGAGCACAGTGTCGTATTGATTCGCGGCGGTCGTGTAAAAGACTTGCCAGGTGTGCGTTA CCACACTGTACGCGGTTCTTTGGATACTGCAGGTGTTAAAGACCGTAAACAAGCCCGTTC CAAATACGGTGCTAAGCGTCCTAAATAATTACTGGGACTTAAATAGGCACGTCGGCCGCC TAAGCTGAACAACGGCCGAGTAAGTGAATACTCAATTGGGTATTCATGGGAATAGACCCG ACTGAATAGATTAAAGGAAATTAAAATGCCAAGACGTAGAGAAGTCCCCAAGCGCGACGT ACTGCCAGATCCTAAATTCGGCAGCGTCGAGTTGACCAAATTCATGAACGTATTGATGAT TGACGGTAAAAAATCCGTTGCCGAGCGTATCGTTTACGGTGCGTTGGAACAGATTGAGAA AAAAACCGGCAAAGTAGCAATCGAAGTATTTAACGAAGCCATTGCAAACGCCAAACCTAT CGTGGAAGTGAAAAGCCGCCGTGTAGGTGGTGCAAACTACCAAGTTCCTGTTGAAGTTCG TCCTTCACGCCGTTTGGCTTTGGCAATGCGCTGGGTTCGCGATGCGGCCCGCAAACGTGG CGGTGCGTTGAAAAAACGTGAAGAAGTACACCGTATGGCTGAAGCCAACAAAGCATTCTC TCACTTCCGTTTCTAATTTTGAAAGGCTAATAAAATGGCTCGTAAGACCCCGATCAGCCT GTACCGTAACATCGGTATTTCCGCCCATATTGACGCGGGTAAAACCACGACGACAGAACG TATTTTGTTCTATACCGGTTTGACCCACAAGCTGGGCGAAGTGCATGACGGTGCGGCTAC TACCGACTACATGGAACAAGAGCAAGAGCGCGGTATTACCATTACCTCCGCTGCCGTTAC TTCCTACTGGTCCGGTATGGCGAAACAATTCCCCGAGCACCGCTTCAACATCATCGACAC CCCGGGACACGTTGACTTTACCGTAGAGGTAGAGCGTTCTATGCGTGTATTGGACGGCGC GGTAATGGTTTACTGCGCGGTGGGCGGTGTTCAACCCCAATCTGAAACCGTATGGCGGCA AGCCAACAAATACCAAGTGCCGCGCTTGGCGTTTGTCAATAAAATGGACCGTCAGGGTGC CAACTTCTTCCGTGTTGTCGAGCAAATGAAAACCCGTTTGCGCGCAAACCCTGTACCTAT CGTCATTCCGGTTGGTGCGGAAGACAACTTCAGCGGTGTGGTTGATTTGTTGAAAATGAA ATCCATCATTTGGAATGAAGTCGATAAAGGTACAACCTTTACCTATGGCGATATTCCTGC CGAATTGGTCGAAACTGCCGAAGAATGGCGTCAAAATATGATTGAAGCCGCAGCCGAAGC CAGCGAAGAACTGATGGACAAATACTTAGGCGGCGACGAGCTGACCGAAGAAGAATCGT AGGCGCGTTGCGTCAACGTACTTTGGCAGGCGAAATTCAGCCTATGCTGTGTGTTCTGC ATTTAAAAACAAAGGTGTTCAACGTATGTTGGACGCAGTTGTAGAATTGCTGCCAGCTCC TACCGATATTCCTCCGGTTCAAGGTGTCAACCCGAATACCGAGGGAAGCCGACAGCCGTCA AGCCAGCGATGAAGAGAAATTCTCTGCATTGGCGTTCAAAATGTTGAACGACAAATACGT CGGTCAGCTGACCTTTATCCGCGTTTACTCAGGCGTAGTAAAATCCGGCGATACCGTATT GAACTCCGTAAAAGGCACTCGCGAACGTATCGGTCGTTTGGTACAAATGACTGCCGCAGA CCGTACTGAAATCGAAGAAGTACGCGCCGGCGACATCGCAGCCGCTATTGGTCTGAAAGA CGTTACTACCGGTGAAACCTTGTGTGCGGAAAGCGCCCCGATTATCTTGGAACGTATGGA ATTCCCCGAGCCGGTAATCCATATTGCCGTTGAGCCGAAAACCAAAGCCGACCAAGAGAA AATGGGTATCGCCCTGAACCGCTTGGCTAAAGAAGACCCTTCTTTCCGTGTCCGTACAGA CGAAGAATCCGGTCAAACCATTATTTCCGGTATGGGTGAGCTGCACTTGGAAATTATTGT TGACCGTATGAAACGCGAATTCGGTGTGGAAGCAAATATCGGTGCGCCTCAAGTGGCTTA CCGTGAAACTATCCGCAAAGCCGTTAAAGCCGAATACAAACATGCAAAACAATCCGGTGG TAAAGGTCAATACGGTCACGTTGTGATTGAAATGGAACCTATGGAACCGGGTGGTGAAGG TTACGAGTTTATCGATGAAATTAAAGGTGGTGTGATTCCTCGCGAATTTATTCCGTCTGT CGATAAAGGTATCCGCGATACGTTGCCTAACGGTATCGTTGCCGGCTATCCTGTAGTTGA CGTACGTATCCGTCTGGTATTCGGTTCTTACCATGATGTCGACTCTTCCCAATTGGCATT TGAATTGGCTGCTTCTCAAGCGTTTAAAGAAGGTATGCGTCAAGCATCTCCTGCCCTGCT TGAGCCAATCATGGCAGTTGAAGTGGAAACCCCGGAAGAATACATGGGCGACGTAATGGG CGACTTGAACCGCCGTCGCGGTGTTGTATTGGGTATGGATGATGACGGTATCGGCGGTAA TGCAACCCAAGGCCGCCTACTTACTCTATGGAGTTCAAGAAATATTCTGAAGCTCCTGC CCACATAGCTGCTGTAACTGAAGCCCGTAAAGGCTAATCAGAAAAGGCCGTCTGAAA CTGAAAATAAATTTTCAGACGGCCATTGTTCTTTAATCGATCTTTATATGTAAAGGAATT AGCTCATGGCTAAGGAAAAATTTGAACGTAGCAAACCGCACGTAAACGTTGGCACCATCG GTCACGTTGACCATGGTAAAACCACTCTGACTGCTGCTTTGACTACTATTTTGTCTAAAA **AATTCGGTGGCGCTGCAAAAGCTTATGACCAAATCGACAACGCTCCTGAAGAAAAAGCTC** GTGGTATTACCATTAATACCTCACACGTAGAATACGAAACTGAAACCCGTCACTACGCAC ACGTAGACTGCCCGGGGCACGCCGACTACGTTAAAAACATGATTACCGGCGCCGCACAAA TGGACGGTGCAATCCTGGTATGTTCCGCAGCCGACGCCCTATGCCGCAAACCCGCGAAC ACATCCTGCTGGCCCGCCAAGTAGGCGTACCTTACATCATCGTGTTCATGAACAAATGCG ACATGGTCGACGATGCCGAGCTGTTGGAACTGGTTGAAATGGAAATCCGCGACCTGCTGT CCAGCTACGACTTCCCCGGCGATGACTGCCCGATTGTACAAGGTTCCGCACTGAAAGCCT TGGAAGGCGATGCCGCTTACGAAGAAAAATCTTCGAACTGGCTGCCGCATTGGACAGCT ACATCCCGACTCCCGAGCGAGCCGTGGACAAACCGTTCCTGCTGCCTATCGAAGACGTGT TCTCCATTTCCGGCCGCGGTACAGTAGTAACCGGCCGTGTAGAGCGCGGTATCATCCACG TTGGTGACGAGATTGAAATCGTCGGTCTGAAAGAAACCCAAAAAACCACTTGTACCGGTG TTGAAATGTTCCGCAAACTGCTGGACGAAGGTCAGGCGGCGACAACGTAGGCGTATTGC TGCGCGGTACCAAACGTGAAGACGTGGAACGCGGTCAGGTATTGGCTAAACCGGGTACTA TCACTCCTCACACCAAATTCAAAGCAGAAGTATACGTACTGAGCAAAGAAGAGGGTGGTC GTCACACTCCGTTCTTCGCCAACTACCGTCCGCAATTCTACTTCCGTACCACCGACGTAA CCGGCGCGGTTACTTTGGAAGAAGGTGTGGAAATGGTAATGCCGGGTGAAAACGTAACCA TCACCGTAGAACTGATTGCGCCTATCGCTATGGAAGAAGGCCTGCGCTTTGCGATTCGCG AAGGCGGCCGTACCGTGGGTGCCGGCGTGGTTTCTTCTGTTATCGCTTAATTGAAGGATA TTGATAAATGGCAAACCAAAAAATCCGTATCCGCCTGAAAGCTTATGATTACGCCCTGAT TGACCGTTCTGCACAAGAAATCGTTGAAACTGCAAAACGTACCGGTGCAGTTGTAAAAGG CCCGATTCCTTTGCCGACCAAAATCGAGCGTTTCAACATTTTGCGTTCTCCGCACGTGAA CAAAACTTCCCGTGAGCAATTGGAAATCCGCACCCACTTGCGCCTGATGGACATCGTGGA TTTTTTATGTTATGCCGAGACCTTTGCAAAATTCCCCAAAATCCCCTAAATTCCCACCAA GACATTTAGGAGCACCTTCTTCCAGCAAACCGCCCAAGCCATGATTGCCAAACACATCGA CCGGTTCCCACTATTGAAGTTGGACCGGGTAATTGATTGGCAGCCGATCGAACAGTACCT GAATCGTCAAAGAACCCGTTACCTTAGAGACCACCGCGGCCGTCCCGCCTATCCCCTGTT GTCCATGTTCAAAGCCGTCCTGCTCGGACAATGGCACAGCCTCTCCGATCCCGAACTCGA GCACAGCCTCATCACCCGCATCGATTTCAACCTGTTTTGCCGCTTTGACGAACTGAGCAT CCCCGATTACAGTCATCAACCATATTCCGGTTTGTCGGAGAAAGATGCATACGCTGTGAT GACCGGATACCGACCCGTTAAAAGAGTCCGACCCTATGCCGTCTGAAAATTCAAAACGCT TCAGACGGCATATTGAAGATATTTCTGATATTTCTGTTGATATTTCTTTGACTTGTCAGA TATAATGCCGAGCTTGGTACATTTGTGCCAAGTTTAACTTTGTCTGAAAGACAGGCCAAT CGTAGCCTGTCCCTTTACTTTAAAAGGAAAATAATCATGACTTTAGGTCTGGTTGGACGC AAAGTTGGTATGACCCGCGTGTTCGACGAACAGGGTGTTTCTGTTCCGGTAACCGTTTTG GATATGTCTGCCAACCGCGTTACACAAGTAAAATCCAAAGATACTGACGGCTATACTGCC GTTCAAGTTACCTTTGGTCAGAAAAAAGCCAATCGTGTCAACAAAGCCGAAGCCGGGCAC AAACTGGCTGAATTGAAAGCTGGTGACGAAATCACCGTTTCTATGTTTGAAGTCGGTCAA CTGGTCGATGTAACCGGTACCTCTAAAGGTAAAGGTTTCTCCGGCACGATTAAACGTCAT AACTTCGGTGCCCAACGTACTTCCCACGGTAACTCCCGTTCTCACCGTGTTCCAGGCTCT GGCAACACCAAAGCAACTGTTCAAAAATTGGAAGTTGTCCGTGTTGACGCAGAACGCCAA CTGCTGTTGGTTAAGGGTGCTGTTCCGGGTGCGGTCAACAGCGATGTTGTAGTTCGTCCC

AGCGTGAAAGTAGGTGCGTAATGGAATTGAAAGTAATTGACGCTAAAGGACAAGTTTCAG GCAGTCTGTCTGTTCTGATGCTTTGTTCGCCCGCGAATACAATGAAGCGTTGGTTCATC AGCTGGTAAATGCCTACTTGGCAAACGCCCGCTCCGGTAACCGCGCTCAAAAAACCCGTG CCGAAGTAAAACACTCAACCAAAAAACCATGGCGTCAAAAAAGGTACCGGCCGTGCCCGTT CCGGTATGACTTCTCCCGCTGTGGCGTAAAGGTGGTCGCGCGTTCCCGAACAAACCCG ACGAAAACTTCACTCAAAAAGTAAACCGCAAAATGTACCGTGCCGGTATGGCGACTATTC TGTCCCAATTGACTCGTGACGAGCGTTTGTTTGCGATTGAGGCGTTGACTGCCGAAACTC CTAAAACCAAAGTTTTTGCCGAACAAGTGAAAAATCTGGGTCTGGAGCAAGTGTTGTTTG TAACCAAACAGCTCGACGAGAATGTTTACTTGGCTTCACGCAACTTGCCAAACGTGTTGG TTTTGGAAGCTCAACAAGTTGATCCTTACAGCTTGCTGCGTTACAAAAAAGTAATCATCA CTAAAGATGCAGTTGCACAATTAGAGGAGCAATGGGTATGAATCAACAACGTTTGACTCA AGTGATTTTGGCACCTATCGTTTCTGAAAAAAGCAACGTATTGGCTGAAAAACGTAACCA AATGACGTTTAAAGTTTTGGCAAATGCAACCAAACCTGAAATTAAAGCGGCTGTTGAGCT GCTGTTCGGCGTTCAAGTTGCAGACGTTACTACTGTTACCATTAAAGGTAAAGTTAAACG TTTTGGTCGCACTTTAGGTCGTCGCAGCGATGTTAAAAAGGCTTATGTAAGCTTGGCTGC CGGTCAAGAGTTGGATTTGGAAGCCGCTGCTGCAGCTGCAGATAAGGAATAAACAAAATG GCAATCGTTAAAATGAAGCCGACCTCTGCAGGCCGTCGCGGCATGGTTCGCGTGGTAACA GAAGGTTTGTACAAAGGTGCACCTTATGCACCTCTGCTGGAAAAGAAAATTCTACTGCC GGTCGTAACAACAATGGTCATATTACTACCCGTCATAAAGGTGGTGGTCATAAACATCAT TACCGCGTCGTAGATTTTAAACGTAACAAAGACGGTATCCCTGCAAAAGTAGAGCGTATC GAATATGACCCTAACCGTACTGCATTTATCGCACTGTTGTGCTATGCAGATGGTGAGCGT CGCTACATTATTGCTCCTCGTGGTATTCAAGCCGGTGCAGTATTGGTTTCCGGTGCTGAA GCTGCGATCAAAGTAGGTAACACTCTGCCGATCCGCAATATTCCTGTTGGTACAACTATT CACTGTATCGAAATGAAACCAGGTAAAGGTGCGCAAATTGCACGTTCTGCCGGTGCTTCT GCGGTATTGCTGGCTAAAGAAGGCGCGTACGCTCAAGTCCGCCTGCGCTCTGGCGAAGTC CGTAAAATCAACGTAGATTGCCGTGCAACCATCGGTGAAGTCGGTAACGAAGAGCAAAGC CTGAAAAAATCGGTAAAGCCGGTGCCAATCGTTGGCGCGGTATTCGTCCGACTGTACGT GGTGTTGTCATGAACCCTGTCGATCACCCGCATGGTGGTGGAAGGCCGTACGGGCGAG GCCCGCGAACCGGTCAGCCCATGGGGTACTCCTGCTAAAGGCTACCGCACTCGTAATAAC AAACGCACGGATAACATGATTGTTCGTCGCCGTTACTCAAATAAAGGTTAATTTAGTATG GCTCGTTCATTGAAAAAAGGCCCATATGTAGACCTGCATTTGCTGAAAAAAGTAGATGCT GCTCGCGCAAGCAACGACAAACGCCCGATTAAAACCTGGTCTCGTCGTTCTACCATTCTG CCTGATTTTATCGGTCTGACCATTGCTGTGCACAACGGCCGCACCCATGTGCCTGTGTTT ATCAGCGACAATATGGTTGGTCATAAATTAGGCGAATTCTCATTGACCCGTACCTTTAAA GGCCACTTGGCCGATAAAAAGGCTAAAAAGAAATAAGGTGAATCATGAGAGTAAATGCAC AACATAAAAATGCCCGTATCTCTGCTCAAAAGGCTCGTTTGGTAGCTGATTTGATTCGTG GTAAAGACGTTGCCCAAGCTTTGAATATTTTGGCTTTCAGTCCTAAAAAAGGTGCCGAGC TGATTAAAAAGTATTGGAGTCAGCTATTGCTAATGCCGAGCACAATAACGGTGCGGACA TTGATGAACTGAAAGTGGTAACTATCTTTGTTGACAAAGGCCCAAGCTTGAAACGTTTTC CAGTGGGTAACTAAGGAAAAGCTATGGGACAAAAGATTAACCCTACAGGCTTTCGCCTGG CGGTAACTAAAGACTGGGCTTCAAAATGGTTTGCTAAAAGCACCGACTTTTCTACTGTTT TGAAGCAGGATATCGATGTTCGCAATTATTTGCGTCAAAAATTGGCCAATGCTTCGGTTG GTCGAGTGGTTATTGAACGCCCTGCAAAATCTGCACGCATTACCATTCACTCCGCTCGTC CGGGTGTGGTTATCGGTAAAAAAGGTGAGGATATCGAGGTTTTGAAACGTGACTTGCAAG TCTTGATGGGTGTACCTGTTCATGTAAATATTGAAGAGATTCGCCGTCCTGAGTTGGATG CTCÁAATTATTGCTGACGGTATTGCCCAGCAGTTGGAAAAGCGCGTTCAATTCCGTCGTG CTATGAAACGAGCAATGCAAAATGCAATGCGTTCTGGTGCTAAAGGCATTAAGATTATGA CTTCAGGCCGTCTGAATGGTGCGGATATTGCCCGTAGCGAATGGTATCGTGAAGGTCGCG TGCCACTGCATACTTTACGTGCAAATGTAGATTATGCAACCAGCGAAGCGCACACCACAT ATGGTGTATTGGGTCTGAAAGTTTGGGTTTATACGGAAGGCAATATTAAATCTTCCAAAC CTGAACATGAGAGTAAACAAAGAAAGGCAGGTAGACGTAATGCTGCAGCCAACTAGACTG **AAATACCGTAAGCAACAAAAGGGTCGCAATACCGGCATCGCTACTCGCGGTAATAAGGTA** AGTTTCGGTGAGTTCGGCTTGAAAGCCGTAGGTCGTGGTCGTTTGACTGCCCGTCAAATC GAAGCTGCTCGTCGTGCAATGACCCGTCATATCAAACGTGGTGGTCGTATTTGGATTCGT GTATTCCCTGATAAACCGATTACTGAAAAGCCTATTCAAGTTCGTATGGGTGGCGGTAAA GGTAACGTGGAATATTACATTGCCGAAATTAAACCAGGTAAAGTGTTGTATGAAATGGAT GGCGTTCCAGAGGAACTGGCTCGTGAAGCATTCGAGTTGGCTGCCCAAATTGCCTATT CCTACAACCTTTGTAGTAAGACAGGTGGGTCAATAATGAAAGCAAATGAATTGAAAGACA AATCCGTTGAGCAGTTGAATGCAGATTTGTTGGACTTGTTGAAAGCTCAGTTTGGCTTAC GTATGCAAAACGCTACCGGTCAATTAGGCAAACCAAGTGAATTGAAACGTGTACGTCGCG ATATTGCTCGTATTAAAACCGTTTTAACTGAAAAAGGTGCTAAGTAATGAGCGAAACTAA AAATGTTCGTACTTTGCAAGGCAAAGTAGTAAGCGACAAAATGGATAAAACCGTAACAGT ATTGGTTGAGCGTAAAGTAAAACATCCGCTGTATGGTAAGATTATTCGATTATCTACTAA AATCCATGCCCATGATGAAAATAATCAATATGGAATTGGTGATGTGGTTGTTATATCGGA ATCCCGTCCATTGTCAAAAACTAAATCTTGGGTTGTCAGTGAGCTGGTTGAGAAAGCACG TTCTATTTAAGAATTAAAGCAACGTGCTTGGAATGGGAAACGAAGTATTGCAGCAAATTT AATTTGCGTGTAAACTTCGTTTCCTGTCTTTCAGTTTCTTCTGGAAGTTTCTTCCCTTTC GGGGTCCAAGACTGGTTTACTTGAACCGCAAGGTTTCATTTAATAAGCAGCGGCTTTGCT ATGCAGACCATCTTAGATGTGGCTGATAACTCTGGTGCGCGTCGCGTAATGTGTATCAAG GTATTGGGCGGATCTAAGCGTCGCTACGCTTCTGTTGGCGATATTATTAAAGTGGCAGTT AAAGATGCGGCTCCGCGTGGCCGTGTCAAAAAAGGCGATGTATATAATGCGGTAGTTGTT GCCGTGTTACTGAATAAACTTGAACCTTTGGGTACTCGTATCTTTGGTCCGGTAACC

CGTGAATTGCGTACTGAGCGATTTATGAAAATCGTTTCATTGGCACCTGAAGTATTATAA GGAATGGC ACGATGAATAAAATCATTAAAGGCGATAGGGTTGTAGTAATTGCTGGTAAGG **ATAAAGGTAAGCAGGGTCAAGTAGTTCGAGTGTTGGGTGATAAAGTTGTTGTTGAGGGCG** TTAATGTTGTAAAACGCCATCAAAAACCTAATCCAATGCGTGGCATTGAGGGCGGTATTA TTACTAAAGAAATGCCTTTGGATATTTCTAATATCGCAATCCTGAATCCGGAAACTAATA TCTTCAAATCAAATGGCTCTATCATTGGGGCATAAGGAGATAACATGGCTCGGTTGAGAG **AGTTTTATAAAGAGACAGTTGTTCCTGAATTGGTTAAACAATTTGGTTACAAATCAGTAA** TGGAAGTCCCGCGTATTGAAAAAATTACCTTGAATATGGGTGTGGGTGAGGCTGTTGCTG ATAAAAAGTTATGGAACATGCTGTTTCCGATTTAGAGAAAATTGCCGGTCAAAAACCGG TTGTTACTGTTGCCCGTAAATCTATCGCAGGTTTTAAAATCCGTGATAACTATCCGGTTG **GTTGCAAAGTAACATTGCGTCGTGATCAAATGTTTGAATTCTTGGATCGTTTGATTACTA** TTGCATTACCTCGCGTACGTGACTTCCGTGGTGTGAGCGGTAAATCATTTGATGGCCGTG GCAATTACAATATGGGTGTTCGTGAGCAAATTATTTTTCCGGAAATTGAATACGATAAAA TTGATGCTTTGCGTGGTTTGAATATTACTATTACTACTACAGCAAAAACCGATGAGGAAG CGAAAGCTTTATTGTCATTGTTTAAATTTCCGTTCAAAGGATAATCATGGCTAAGAAAGC **ACTTATTAATCGTGATCTGAAACGTCAAGCTTTGGCTAAAAAATATGCGGCTAAACGCGC** GGCAATTAAAGCGGTAATCAATGATTCGAATGCAACTGAGGAAGAGCGTTTTGAGGCTCG TTTGAGGTTTCAATCCATTCCTCGTAATGCGGCACCTGTGCGTCAACGTCGTCGTTGTGC TTTGACAGGTCGCCCTCGTGGTACTTTCCGTAAATTTGGTTTGGGTCGTATTAAAATCCG TGAAATCGCCATGCGTGGCGAAATTCCGGGTGTTGTTAAAGCCAGCTGGTAATAGGAGTA **ATTAGAATGAGTATGCATGATCCTATTTCCGATATGTTGACTCGTATCCGCAATGCGCA** ACGTGCTAATAAAGCAGCGGTTGCAATGCCTTCTTCAAAATTAAAGTGTGCTATTGCAAA GGTATTGAAAGAAGAAGGATATATTGAGGACTTCGCAGTTTCATCTGACGTAAAGTCTAT ATTGGAAATTCAATTAAAATACTATGCAGGTCGTCCTGTAATTGAACAAATCAAGCGTGT **ATCTCGCCCCGGTTTGCGTATTTATAAAGCGTCTAGTGAGATTCCAAGTGTTATGAATGG CTTGGGTATTGCTATTGTTAGTACTTCTAAAGGTGTAATGACTGATCGTAAAGCACGTTC** TCAAGGTGTTGGTGGTGAGTTGTTATGCATTGTAGCCTAGTGGAGGAAAAGAAATGTCAC GTGTCGCAAAAAACCCAGTGACTGTTCCCGCTGGTGTAGAAGTAAAATTTGGAGCAGAGG CATTAGTTATTAAGGGTAAGAACGGTGAATTGTCTTTTCCTTTGCATTCTGATGTAGCCA TTGAATTTAATGATGGCAAATTGACTTTTGTTGCGAATAACAGCAGTAAACAAGCAAATG CAATGTCTGGTACTGCTCGCGCATTAGTCAGCAATATGGTTAAAGGTGTTTCAGAAGGTT TTGAGAAAAGATTGCAATTGATAGGTGTGGGTTATCGTGCTCAAGCACAAGGTAAAATCT TGAATCTGTCTTTGGGTTTTTCTCATCCGATCGTATATGAAATGCCTGAAGGTGTCTCCG TTCAAACTCCTAGCCAAACAGAGTTGTTTTAACCGGCTCGGATAAACAAGTTGTTGGTC AAGTTGCTGCTGAGATTCGTGCGTTCCGTGCTCCTGAGCCTTATAAAGGTAAAGGTGTTC GCTATGTAGGAGAAGTAGTGGTAATGAAAGAAGCCCAAGAAAAAATAATTGAGGTTCACTA ATGGATAAACATACAACCCGACTCCGTCGTGCACGCAAAACCCGTGCTCGTATTGCGGAC TTGAAAATGGTAAGATTATGTGTGTTCCGAAGCAATAATCATATTTATGCTCAAGTAATT AGTGCTGAAGGTGATAAAGTATTGGCTCAAGCCTCTACATTGGAAGCTGAGGTGCGCGGT AGTCTGAAATCTGGAAGCAATGTTGAAGCAGCTGCAATAGTTGGTAAACGTATCGCTGAA AAAGCTAAAGCAGCAGGTGTAGAAAAGGTTGCTTTTGATCGTTCAGGTTTCCAATATCAC GGTCGTGTGAAGGCTTTGGCTGAAGCTGCTCGTGAAAATGGTTTAAGCTTCTAAATATTT GGAGACTTTCAGATGCAAAACATGAAATTGAAGAACGCGGTGACGGTCTGATTGAAAAG ATGGTCGCTGTTAATCGCGTAACTAAAGTAGTTAAAGGTGGCCGTATCATGGCTTTCTCA GCACTGACTGTTGTTGGTGATGGTGATGGTCGCATTGGTATGGGCAAAGGTAAATCAAAA GAAGTACCAGTTGCTGTTCAAAAAGCAATGGATCAAGCTCGACGCTCTATGATTAAAGTA CCTTTGAAAAACGGTACTATTCATCATGAGGTTATTGGCCGTCATGGTGCTACTAAAGTA TTTATGCAGCCTGCTAAAGAGGGTAGTGGCGTAAAAGCCGGTGGACCTATGCGTTTGGTT TTTGATGCTATGGGCATTCATAATATCTCCGCCAAAGTGCACGGATCTACTAACCCATAT **AATATCGTACGTGCAACATTAGATGGTTTGTCTAAGTTGCATACTCCTGCTGATATCGCA** GCCAAACGTGGCTTGACAGTGGAAGACATTTTGGGAGTTAACCATGGCTGAACAAAAAA GATTAGGGTTACATTGGTTAAAAGCCTGATTGGTACAATTGAATCTCATCGTGCATGTGC **ACGCGGTTTAGGTTTGCGTCGCCGAGCATACGGTAGAGGTTTTAGATACCCCTGAAAA** CCGTGGTATGATTAATAAAATCAGCTACTTGTTGAAAGTGGAGTCTTGATATGTTTTTGA ATACAATTCAACCTGCTGTTGGTGCTACGCATGCTGGTCGTCGTGTTGGACGCGGTATTG GTAGTGGTCTTGGCAAAACGGGTGGTCGTGGTCATAAAGGTCAAAAGAGCCGGTCTGGTG GGTTTCATAAGGTGGGTTTCGAGGGTGGTCAAATGCCCTTGCAACGACGCCTCCCTAAAA GAGGTTTTAAATCTTTAACAGCATCAGCTAATGCACAGCTTCGTTTAAGTGAACTGGAAT CAGTCTCTAATGTTAAAGTTATTGCTTCTGGTGAAATTTCTAAGGCAGTTGCTTTGAAGG GTATTAAAGTTACCAAAGGTGCGAGAGCTGCTATCGAGGCTGTTGGTGGTAAGATTGAAA TGTAAGGTTTAATATTGTGGCTAATCAACAAACGTCATCAGGTTCATCCAAATTTGGAGA TATACCCGTACCTGGAGTTGATGCTGTTGCTTTAGCTAAATTATACGAAAGCGCTGGAAA CGGCATCCTGGGAATATTGAATATGTTTTCCGGTGGGTCGTTAGAGCGCTTTAGTATATT TGCAATAGGAATTATGCCATATATTTCAGCTTCTATTATTGTACAGCTCGCTTCTGAAAT ATATACTAGGTATGGTACTGTTTTGTTAGCAATTCTTCAAAGTCTAGGTGTTGCATCTTT CGTATTTCAGCAAGGAATTGTTGTAACAAGTTCATTTGAGTTTCATGTTTCCACGGTAGT TTCTTTGGTAACGGGAACCATGTTTCTTATGTGGCTTGGGGAGCAAATTACTGAAAGGGG TATCGGGAACGGTATTCTTTAATCATTACGGCAGGTATTGCTTCAGGTATTCCTTCGGG TATTGCAAAGCTGGTTACACTGACGAACCAAGGTTCTATGAGCATGCTTACGGCGTTGTT TATTGTATTTGGTGCCTTATTATTAATTTATTTGGTTGTATACTTTGAAAGTGCACAGCG GAAGATTCCTATTCATTATGCAAAACGCCAGTTTAATGGTAGGGCGGGTAGTCAAAATAC

GCATATGCCTTTCAAGTTGAATATGGCTGGTGTTATTCCCCCAATTTTTGCTTCCAGTAT TATTCTATTTCCATCTACTCTTTTAGGTTGGTTTGGTTCGGCTGATACAAATAGTGTTTT GCACAAAATAGCTGGATTGTTACAACACGGTCAATTGCTGTATATGGCTTTATTTGCAGC GACAGTTATTTTTTTTTTTTTTTTTTATACGGCTTTGGTTTTTTAGCCCTAAAGAAATGGC AGAGAATTTAAAAAAGAGTGGTGCTTTTGTTCCTGGGATTAGACCTGGTGAGCAGACCTC TAGGTATTTAGAAAAAGTTGTATTACGTTTGACATTGTTTGGAGCTCTTTATATTACAAC TATTTGTTTAATTCCAGAGTTCTTAACTACGGTTTTAAATGTACCTTTTTATTTGGGTGG TAGGCTTACTCAACAGTATGATAAGTTAATGACTCGTTCAGAAATGAAATCATTTTCTCG GAAATAGAATTATGGCGAAAGAAGATACTATCCAAATGCAAGGTGAAATTCTTGAAACTT TACCTAATGCAACATTTAAAGTAAAACTTGAGAATGACCATATTGTATTGGGTCATATTT CTGGGAAGATGCGGATGCATTACATTCGTATTTCTCCGGGAGATAAGGTCACAGTAGAGC TGACACCTTATGATCTAACTAGGGCTCGAATCGTTTTCAGAGCAAGATAAACCAATAAAA **GGAAAATAAAATGCGTGTACAACCATCTGTTAAGAAAATTTGCCGAAATTGCAAGATTAT** TCGTCGAAATCGTGTAGTTCGTGTAATTTGTACTGATCTCCGTCACAAACAGCGTCAAGG TTAATGGAATATTTCTTTTAATGTGATTCTGTGATATAGTGACACACTTTGCCCTAAAAA GGAAAAATATGGCTCGTATTGCAGGGGTAAATATCCCTAATAACGCACACATCGTAATT GGTCTTCAGGCTATTTACGGTATTGGTGCTACTCGTGCTAAATTGATTTGTGAGGCTGCA AATATTGCGCCTGATACTAAAGCAAAAGATTTGGACGAGACTCAATTAGATGCTTTGCGT GACCAAGTTGCCAAGTATGAAGTAGAAGGTGATTTGCGTCGTGAGGTAACTATGAGTATC AAGCGATTGATGGACATGGGCTGCTATCGTGGCTTCCGTCATCGTCGCGGCTTACCATGC CGCGGTCAACGCACTCGTACAAATGCGCGTACCCGCAAAGGTCCGCGTAAAGCGATTGCT GGTAAGAATAAATTTTAAGGAATTTTATTAATGGCTAAAGCAAACACAGCTTCACGTGT ACGTAAAAAAGTACGTAAAACCGTGAGTGAGGGTATTGTGCACGTTCATGCATCTTTCAA CAATACCATCATTACAATCACTGACCGTCAAGGCAATGCGTTGTCTTGGGCTACCTCTGG CGGCGCTGGTTTTAAAGGTTCTCGTAAAAGTACACCATTTGCAGCACAAGTTGCAGCAGA AGCAGCTGGTAAAGTTGCCCAAGAGTATGGCGTTAAAAATTTAGAGGTTCGTATTAAAGG TCCAGGTCCAGGTCGTGAATCCTCTGTACGTGCTTTGAATGCTCTTGGTTTCAAGATTAC CAGCATTACTGACGTTACCCCGTTGCCTCATAACGGTTGCCGTCCGCCTAAAAAACGTCG TATTTAATATTGGAGTGATTTGAAACATGGCACGTTATATTGGCCCTAAATGTAAGTTGG CACGTCGCGAAGGTACGGATTTGTTTTTGAAGAGTGCGCGCCGCTCTTTGGATTCTAAAT GTAAAATTGATTCCGCTCCTGGTCAGCATGGTGCAAAAAAACCGCGTTTGTCAGACTATG GTTTGCAGTTGCGTGAAAAACAAAAATCCGCCGTATTTATGGCGTATTAGAACGTCAGT TCCGTCGTTATTTCGCAGAAGCTGATCGTCGTAAAGGTTCTACCGGCGAGTTGCTGTTGC AGTTGCTGGAATCTCGTTTGGATAATGTCGTTTATCGTATGGGTTTCGGTTCTACCCGAG CTGAAGCAAGACAGCTTGTTTCTCATAAGGCGATAGTTGTGAATGGACAAGTTGTCAATA TTCCTTCTTTCCAAGTGAAAGCTGGTGATGTTGTCTCAGTTCGTGAAAAAGCCAAAAAAC AGGTACGTATTCAAGAAGCATTGGGTTTGGCAACTCAAATCGGCTTGCCGGGTTGGGTTT CTGTAGATGCGGATAAACTTGAGGGTGTTCAAAAACATGCCGGATCGCTCGGAATTGA CCGGTGATATTAATGAACAGCTGGTGGTAGAGTTCTACTCTAAATAATGCTAGCTCAGTG AGGGACAGTTAAATGCAGAATAGCACAACCGAATTTTTGAAACCTCGTCAAATTGATGTA AATACTTTTCTGCAACTCGTGCAAAAGTATCTATGCAGCCATTTGAACGTGGTTTCGGT CATACCTTAGGTAATGCTTTGCGCCGTATCTTACTGTCATCCATGAATGGTTTTGCTCCT **ACTGAAGTAGCTATTGCCGGTGTATTACACGAATATTCTACTGTTGATGGTATTCAGGAA** GATGTTGTTGACATTTTGCTGAATATTAAAGGTATTGTGTTTAAACTCCATGGTCGTAGC CAAGTTCAACTTGTGTTGAAGAAATCAGGTTCAGGTGTCGTATCTGCCGGTGATATTGAG TTGCCGCATGATGTAGAAATTCTGAATCCTGGTCATGTCATTTGTCATTTGGCTGATAAC GGTCAAATTGAGATGGAAATTAAAGTAGAGCAAGGTCGTGGTTATCAATCTGTTTCAGGT CGTCAGGTAGTTCGTGATGAGAACCGTCAGATTGGTGCAATCCAGTTGGATGCGAGCTTT CTTGATAAGTTGGTTTTGGATATCGAAACCGACGGTTCTATTGATCCTGAGGAAGCTGTA CGCAGTGCGGCACGTATTTTGATTGATCAGATGTCTATTTTTGCTGATTTGCAGGGTACG CCTGTGGAGGAGGTTGAAGAAAAAGCACCTCCTATCGACCCTGTTCTTTTGCGTCCGGTG ATTGGCGATTTGATTCAACGCACTGAAACCGAGCTTCTTAAAACGCCGAATTTGGGACGT AAATCTTTGAATGAGATTAAGGAAGTATTGGCATCTAAAGGTTTGACACTGGGTTCTAAG TTGGAAGCATGGCCACCTGTAGGCTTGGAAAAGCCTTAATGAAGAATTAAAGGATAATTG ATATGCGTCATCGTAATGGCAATCGCAAATTAAACCGTACCAGCAGTCATCGTGCTGCAA TGCTGCGTAATATGGCGAATTCATTATTGACTCACGAAGCTATTGTAACAACTCTGCCTA AGGCCAAGGAATTGCGCCGTGTAGTAGAGCCGTTGATTACATTGGGTAAAAAGCCGTCAT TGGCAAACCGCCGTTTGGCATTTGACCGTACTCGCGACCGTGATGTTGTAGTAAAACTGT TTGGCGATTTGGGTCCTCGTTTTACTGCTCGTAACGGTGGTTATGTTCGGGTGTTGAAAT ACGGATTCCGTAAAGGTGATAATGCACCTCTGGCACTGGTTGAATTGGTTGACAAACCGG CTGCTGAGTAATTTTAGTCATATAACGCCATCTGCCGAAAAGCAGGTGGCGTTATTTTTG CAATATCTGATAGGTAATAGGGTATTGGCTATCATGTTTAAAATATTAATTGAATAGCTA TTTCGATATAAAGTCGACAAAGATGGACGTATTGTCTATATCTTTGCATACGTCAGACTT GTTTGATTTGGAAGATGTGCTGGTCAAATTGGGCAAGAAGTTTCAAGAGTCTGGTGTTGT TCCATTTGTGCTGGATGTTCAAGAGTTTGATTATCCCGAGTCTTTGGATCTTGCTGCATT GGTTTCGTTGTTTTCAAGGCATGGTATGCAAATTTTTGGGTCTGAAGCATTCTAATGAACG TAAAGAACTGGGTCAGGTTGAGGTGCAGAAAACGGAGGATGGTCAGAAAGCAAGGAAAAC AGTATTGATTACATCCCCTGTCCGTACCGGTCAGCAGGTTTATGCCGAAGATGGCGATTT TTATGCGCCGATGAGGGGGGGGGTGCTTTGGCCGGGTGCCAAGGGTGATACTTCTGCCCGCAT

ATTTATCCACTCCATGCAGGCAGAACTGGTTTCTGTGGCGGGTATTTACCGTAATTTTGA ACAGGATTTGCCGAACCATCTGCACAAGCAGCCGGTACAGATATTGTTGCAGGATAACCG ATTGGTTATCAGTGCAATTGGCTCAGAGTAATTGTTTGATATTTAAAAAGGAAATATTGT GGCAAAAATTATTGTAGTAACTTCAGGTAAGGGCGGTGTCGGTAAAACGACTACCAGTGC CAGTATTGCGACAGGTTTGGCATTACGCGGATATAAAACTGCGGTAATTGATTTTGATGT GGGTTTGCGTAACCTCGACCTCATTATGGGTTGCGAGCGTCGTGTCGTTTATGACCTGAT CAATGTCATTCAGGGGGGGGGGCGCCCCCAACCAAGCTTTGATTAAAGATAAAAATTGTGA AAACCTGTTTATTTTGCCGGCTTCCCAGACTCGGGATAAAGACGCTTTGACACGCGAGGG CGTAGAAAAAGTGATGCAGGAGCTGTCCGGCAAGAAAATGGGCTTTGAGTATATTATTTG CGACTCTCCTGCCGGTATTGAGCAGGGTGCATTGATGGCGTTGTATTTTGCTGATGAAGC CATTGTAACGACCAATCCTGAGGTTTCCAGTGTGCGTGACTCCGACAGGATTTTGGGAAT TTTGCAAAGCAAATCCCATAAGGCAGAGCAAGGCGGTTCGGTTAAAGAACATCTGTTGAT CGATATTCTGCATATTCCTTTGCTGGGTGTGATTCCTGAATCCCAAAACGTCTTGCAGGC ATCCAATTCCGGAGAACCGGTCATCCATCAGGACAGCGTGGCGGCTTCCGAGGCATATAA GGACGTTATTGCCCGTCTTTTGGGCGAGAACCGTGAAATGCGTTTCTTGGAAGCTGAGAA AAAAAGCTTCTTCAAACGTCTGTTTGGAGGATAAGGTATGTCATTAATCGAATTTTTATT CGGCAGAAAGCAGAAAACGGCAACCGTTGCCCGCGACCGCCTTCAAATCATCATTGCCCA AGAGCGCCCCAAGAAGGTCAGGCTCCGGATTACCTGCCGACTTTACGTAAAGAGTTGAT GGAAGTCCTGTCCAAATATGTGAATGTTTCATTAGACAATATCCGTATTTCCCAAGAAAA GCAGGATGGTATGGATGTGCTTGAGTTGAACATTACTTTGCCGGAACAGAAAAAGGTATA GGACATGACCTTAACCGAATTGCGGTACATCGTCGCAGTCGCCCAAGAACGTCATTTCGG CAGGGCGCGCGCGTTGTTTTGTCAGCCAGCCCACTTTGTCTATTGCCATTAAGAAATT GGAAGAAGAGCTTGCCGTCTCTTTGTTTGACCGGAGCAGTAACGATATTATTACGACCGA GGCGGGGAACGTATCGTTGCACAGGCGCGTAAGGTATTGGAAGAGGCGGAGCTTATCAG GCATTTGGCAAATGAAGAACAAAACGAGCTGGAGGGTGCGTTCAAACTCGGGCTGATTTT TACGGTTGCGCCGTACCTGCCGAAACTGATTGTTTCGTTGCGCCGTACTGCACCGAA AATGCCTTTGATGTTGGAAGAGAATTACACGCATACTTTGACCGAGTCGCTCAAACGCGG GGACGTTGATGCGATTATCGTTGCCGAACCGTTTCAAGAGCCGGGCATTGTTACCGAACC TGCCGTTTCGCCCCGGATGCTGGGTGAGGAGCAGGTTTTGCTGCTGACGGAAGGCAACTG TATGCGGGATCAGGTACTCTCAAGCTGTTCCGAATTGGCGGCGAAACAACGTATACAGGG GTTGACCAATACATTGCAGGGCAGCTCGATTAATACAATCCGCCATATGGTTGCCAGCGG TTTGGCAATCAGCGTGTTGCCGGCAACCGCACTGACCGAAAACGATCATATGCTGTTCAG CATTATTCCGTTTGAGGGTACGCCGCCAAGCCGGCGGTCGTATTGGCGTACCGCCGCAA TTTTGTCCGTCCGAAGGCGTTGTCGGCGATGAAGGCGGCGATTATGCAGTCGCAGCTTCA CGGGGTAAGTTTTATCTGCGACTAGGCGCAGGCATTGTTTTCAAAACGCCATTTCCCTGA GCCGACAACACGGTATGCCAAGATATTGCCGTCATCATCGATTTTGAGTATAGCATCGCC ACGGAAACTGCCGTCCTGAAGATATTCGACTTTTGCATCACTGTGAATGTTTTCATCAGT GCCGATGCAATGCCATGTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTG CCGTACTATTTGTACTGTCGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTA TTTCAACTTCGCCAACTGATTTTGAACTTTTGCCATTTTGTCTTCCAATTCCGCCAAATC GGCTTTGTCTTTTTCCACCAGATGCGCAGGGGCTTTTTCGGTGTAGCCGGGTTTGGAGAG TTTGGCGTTGAGTTTGTCCAAGGCTTTTTGCAGCTTCTCGGCTTCTTTGCTCAAACGGGC GACGGCCCCTTCCCTTTCGGGTAGGCCGCCACTTGCTGTCTTCCGTCAGGCGGGT CATCATCGGCAGGTATTTGAGGTAGTCCGCCAAGTCGTCCGTGCTTTCGACAAACAGCGG GGCTTTTACGTTGGGCTGGATGCCCATTTCGCCGCGCAGGTTGCGGACTGCGCCAATCAA ATCCTGCAACACGGTCATTTGCTCGAATGCCGTCTGAACAATCTCGCCGCTGTCGGCTTC GGGGAAGCGGGCGAGCATGATGCTGTCGGCGGTTTTCGCGTCGCACATAGGAGCGACGGT TTGCCACAGTTCTTCGGTGATGAACGGGATAATCGGGTGCAGCAGGCGCAGGGCGGCTTC GAGTACGCGCAATAAGGTATGGCGTGTGGCGCGTTGGCGCGCGGCTGGAAG CTGCACTTTGGCGAGTTCCAAATACCAGTCGCAATAGTCGTTCCATACGAAGCTGTACAG GGTTTCCGCCGCCAAATCAAAGCGGTAGGTTTCGTAGGCTTGCGTAACCTGTTCGATGGT CTGATTCAGACGGCCTACAATCCACATATCGGGGAAGGAGTAGCCGCGCGGTTCGGCAGC GGTTGCGCCGTAACCGCAGTCTTGGTTTTCGGTGTTCATCAAGACGAAGTTGGTGGCGTT CCAGATTTTGTTGCAGAAGTTGCGGTAGCCTTCGGCGCGTTTGAAGTCGAAGTTGACCGA ACGCCCCAAGCTGGCGTAGCTCGCCATAGTGAAGCGCAAAGCGTCCGCGCCCATACTCGG AATGCCTTCGGGGAAGAGTTTTTTCGTGGCTTCTTCCACTTTCGGCGCGGTTTCGGGTTT GCGCAGGCCGGTGGTGCGTTTTACCAGCAGTTTTTCCAAGCCGATGCCGTCGATCAAATC CACAGGGTCAATGACGTTGCCTTCGGATTTGGACATTTTTTTGCCTTCGTGGTCGCGCAC AATCATACGCGCCACCCAGAAGAAGATGATTTCGTAGCCGGTTACTAAGACATTGGACGG CAGGAAGGCTTTGAGTTCGTCGGTTTCAGACGGCCAGCCGAGTGTGGAGAACGGCACAAG CGCGGAGGAGAACCATGTATCCAATACGTCTTCTTCGCGAGTCAAGCCTGTTTTGCCGGC TTGTTTTTCGGCTTCTTCCTGATTGCGGGCAACATACACATTGCCTTCGTTGTCGTACCA TGCAGGGATTTGATGGCCCCACCACAGTTGGCGTGAGATACACCAGTCTTGGATGTTGTT CATCCATTGGTTGTAAGTGTTGACCCAGTTTTCAGGGATAAAGCGTACCGCGCCGCTATC AACGGCTTTTTTGGCTTTATCGGCGAGGCTCAAGCCTTTGAACTCGCTGTCCGGCTCGCC GCCGTTTGGGGTGGCGGACATGGCGACAAACCATTGGCTGGTCAGCATAGGTTCAATCAC CGAACCTGTACGGTCGCCTTTCGGCGTCATCAGCGTGTGTGGTTTGATTTCGACCAAGAA ACCTTGTTCCTGCAAATCGGCAACCATTTGTTTGCGCGCGGCAAAGCGGTCTAAGCCTGC GTATTTTTCAGGCAGGGCAAAGCCTAGTTGCGCTTCGCCTTTGAAGTTGAACACTTCGGC GTTTGCCAGCACTTTGGCTTCCAAGTTGAACACATTAATCAGGCGCGTGTCGTGGCGTTT

Appendix A

GCCGACTTCGTAGTCGTTGAAGTCGTGTGCAGGCGTGATTTTCACGCAGCCTGTGCCGAA GTCTTTTTCAACGTATTCGTCGGCAATCACGGGGATAGTACGGCCGGTCAGCGGCAGGAT TAATTCCTTGCCGATTAAGTGGGTATAACGTTCGTCTTCAGGATTGACGGCAACGGCAAC GTCGCCCAGCAGCGTTTCAGGACGGGTGGTCGCCACGATAACGGCTTCGGCGGGATTGTC CGCCAGCGGATAGCGGATGTGCCACATAGAGCCTTGTTCTTCCACGCTTTCCACATCCAA ATCCGATACCGCCGTGCCAAGCACGGGATCCCAGTTCACCAAGCGTTTGCCGCGGTAAAT CAAGCCTTGCTCATACAGGCGCACGAACACTTCGGTTACGGTTTCGGCGCGCACGTCGTC CATCGTGAAATACTCGCGCGTCCAGTCGGCAGAGCAGCCCACGCGGCGCATTTGTTGGGT AATCGTGCCGCCGGAAACTTCTTTCCATTCCCACACTTTCTCCAAAAATTTTTCGCGACC CAAGTCATGGCGGGACACGTTTTGCGCAGCAAGCTGACGCTCAACCACAATCTGCGTGGC GATGCCCGCGTGGTCTGTGCCGGGAATCCAGGCGTGTTGCAGCCTTTCATGCGGTAGTA GCGGGTCAGACCGTCCATAATGGTTTGGTTGAAGGCATGACCCATGTGCAGCGTGCCGGT TACGTTGGGCGGCGGCAGTTGGATGGAGAAAGACGGTTTCGTCAAATCCATATCAGGTTG GAAATAGCCCTGCTCTCCCAGTTTTGATAATGTTTGGATTCGATTTCGGCTGGATTGTA TTTGTCTAACATGATGGAACTTTGTGAAATTAAGGTTATTTTTGATGTGCGGATTATAAC GCAAAAAGGCCGTCTGAATCATTTCAGACGGCCTTTGGCATACAGGTTTTAAAAATGGAA CAATACCAGGCTGACGGCAATCACCGCCATACCCGTTGTCAGGCCGTAAACGGTTTCATG GCCGTCTGAATAGCGTTTGGCAGCCGGCAGCAGCTCGTCCAACGCCAAAAACACCATCAC ACCGGCTATCACGCCGAATACCGAACCAAACACGGCAGGCGACAAAAACGGCTGCAAAAC CAAATAGCCCAAAGCCGCCCCAACGGCTCGGCCAAGCCGGATAGCAGACACGCCCACAC CGTTTTCTTACGGCTGCGGTGGCAAAATAAACCGGCGCGGCGATGGAAATGCCCTCCGG **AATATTATGGATGGCAATCGCCAAGGCCAAAGGCATCCCGACTGCTGGATTTTCCAATGT** GGCAAAAACGTCGCCAAGCCTTCGGGGAAATTGTGCGCAGTAATCGCAAACGCCGCCAT CATGCCGACTCGCGCGATATGGCGGCGTTTGCTTTCTTGAAACGACGGGTCTTGCGCGTC TAAAGTTTCATGCGGGTTCGGCACCAGACGGTCAATCAGCGCAATGCCGCCCATCCCGGC CAAAAATGCCATGGTCGCCGCCAAACGCGTGGTCTTTATCATAAATTTCAGCGAACGC CTCGCTGGACTTACTGAAAATCTCCGTCAGGGAAACATATACCATCGCACCGCCGGCAAA CGCCAAACCAAACGACAACACGCGGGATTGGGCGTTTTGGAAAACATCACCAAGCCACT GCCTAATACGGTAAACAAACCGGCAGCCAATGTGATGGAAAAGGCAACGGCCAAATTGGA CATCGAAAAATCGGGCATGAGAAAACCTGCGCTAAAAGCTGGGACAGGTTCAGACTAACA CTTTTTAATGTATATGATAATAGTTATTATTTATTTATTGATTGGATACACGGATTTTG AAACAAAAGGCCGTCTGAAAAATGATTTTCAGACGGCCTTTAAATTTGAAATGCCGCTAA **ACCTTAGTGCTTTCCAGCTTAAGCCTGATAACGCGACAGGCTCAAATCGTCGCTGCGGAT** TTCGGTGTCTTTGCCGCTCACGATATCGGCGGTTAATTTTGCCGAACCCAGCGACATGGT CCAGCCTAAAGTACCGTGGCCGGTATTCAGAAACAGGTTGTCAAAGCGGGTGCGACCGAT TAACGGCGTGCTGTCGGGCGTCATCGGTCTGAGGCCGCTCCAGAACGATGCTTGGCTCAA ATCGCCGCCTTCCGGGAACAAGTCGTTGACGACCAAAGCCAAGGTTTCGCGGCGTTTTTC GGGCAGTTTGATTTCGTAGCCCGACAATTCCGCCATACCGCCGACGCGGATTCTGTTGTC AAAGCGCGTGATGGCGACTTTGTAGCTTTCATCTAAAACGGTGGACACCGGTGCGCCGTC TGAATTGGTGACCGGCAGGGTCAAGGAATAGCCTTTGACGGGATAAATGGGCAGATTGAG ATCCAACTGCGCCAAAACCGTCCTGCTGAAGCAACCGAGCGCGCAGACAACGGCATCTGC TTCAAACCGCCCTGTTTCGGTTTCAACGGTTTTGATGCGCAGCCCGTTGTGGTCGATGCG GCTGATGTTTTGGTTGAAATGAAACCGTACGCCCTTTTCCTGACACAATTTGTATAGGTT TTTGGCGGTAACGCGTGCCAGCGCAGGCTCAAATTCTGCACATTCTTCGGGTTTCAGACG GCGGTACGCCACGCCGTAGCGTTCCAAAACGGCAATGTCTTGTTTTGCCGCTTCGACTTC TTTGGTTTGGCGGAAAATCTGCAACGTCCCTTTTTTGCGTCCCTCAAAATTCATGCCGGT TTGCGCTTCAAAACGGCGGAACATTTCACGGCTGTATTCGGAAATCCTGACCATGCGCTC TTTATTGGTTTGATAGTGCGCTGCCGTGCAGTTTTGCAGCATTTGCCACAGCCATTCGAT TTGATACAGGCTGCCGTCGGGGCGAAACAGCAAAGGCGGATGGCTTTTAAACAGCCATTT CAGCGCTTTGGTCGGGATACCGGGTGCAGCCCAAGGCGTGGTATAGCCGTAAGAAAGCTG GCCTGCGTTGGCAAAACTGGTTTCCATCGCCACACCCTCGGCGCGGTCGATGACCGTTAC TTCATGTCCGGCCTCTGCCAGATACCACGCGGAAGACACGCCGGCAACACCCGCACCTAA **AACAAGCACTTTCATGTTTCTCCCTCCGGCTTTTTCAAAACAGACTTAATATGCCGTGCC** GTCTGAATATTCGGATTCAGACGGCCTCGGATATTAATGCGGCAATTCGCCGTTTGTGAT TTTTTGTTTGAAGTCGCGCGTTTCATTGACGATGACTTTCGCCATCAATAAAAGTGCAAT GCTCAACACGGTACCCAGCATAACGGAAGAAACATAACCCACGCGGTACAAACCGGCAAA TTTCTCGCCGAAAACATACACCGCGCATTTTTCGCCGTAATAGCACCAGCCCAAAATGGT TGAGTAGGCAAAGAAAATCAGGCCGATGGTAACAATCCAGCCGCCGATGCCGGGCAGCAT TTTTTGGAATGTGACGGTTGTCAGTGCCGCCGCTCACTTCAGGTTTGACAAACTCGCC GCCCGCGCGAGCAGTCCCATTACCAACACGATGCCGGTAATCGAGCAAACGACGATGGT GGCTGCGGCGCAATAGGCGCAGAACCCATACCCGCCTCATTGGAGAACACGCCGCGCGC **ATCGGAGAAAATCAGCTTGACGGCAGGCATCAGTGCATCGGAATTAATCGCGATAATGGA** AAGACCGCCCAACACATAAAACACCGCCATAGCAGGCACGATGAAAGAAGCGGCTTTGGC GATGCCTTTAATACCACCTAAAACGACAACGGCAGTCAGAACGGTCAACGTAATGCCGGT ATAGGCAGGTTCGATACCGAAGCTGGTTTGCACCGCCTGTGCAACCGAGTTGGACTGCAC CGAGCTGCCGATACCGAAGGAAGCGAATGTGCCGAACAGCGCAAACGCGACGGCCATCCA TTTCCAGTTTTTGCCCAAGCCTTTTTCGATGTAATACATCGGGCCGCCGGACATTTCGCC TTTGGAATTGTTGACGCGGTATTTCACCGCCAACACGCCTTCGCCGTATTTGGTGGCCAT GCCGAAAATGGCGGTCATCCACATCCAAAATACCGCGCCCGGGCCGCCGGTTACCACCGC AGTCGCCACGCCGGCGATGTTACCCGTGCCGATGGTGGCGGACAGCGCGGTCATCAACGC CGCAAAATGGGAAATATCGCCTTCGTGGCCTTCGCCGCTTTTATGCTTCTTTGGCGGCAT

AAACGCCTGTTTCAGCGCATAACCCAACATCGTGAACTGCAAACCTTTTAATAAAACAGT CAGCAAAATACCCGTGCCGACCAGCAGCATCAGCATCAAAGGTCCCCAAACCCAGCCGCT GACGGTTTCAAAAAAGGCTTTGGGATTGTCTAAAAACACTTGCATGGCTTTCTCCTTTGT CTGTTTTATTTTAAAACACCACTTTTGTAGTGTCCAGTAATTTCAGCACAGAATATCCA ATAAGACAATATGTTCTTTTGAAAAATACTTTTGGTTTTTTCGCCGAAAACAGGACGGTT CAAGTTGCGGAAATTGTTTGCAATTCTTTAAAAGCAGCGGCGGAGGTCACAATGAAATGT CCGAATGGGGATGTGGCGGCGGCAGAAATCATCAATGCTGCCGACTGCCATACTTCTGA GAAACGCTTTCGGGGTTTCAGACGGCATCAAAAGGGTACGGTCAGCGGATGATGCCGCGC GCCGATTGTGCGAAAAAGTCTCGGAATACGGCAAGCTCGGCTTGGGTTTCGGCGCGGCGG AGAATGTCTGCCTTGGCTTCTTCAAACGGAATGCCGCGATGGTAGAGGGTTTTGTACACG TCTTTGACGGCGGAAATCTGCTCTGCGGTAAAACCGTTGCGGCGCATGCCTTCGCTGTTG AGCCCCGCCGGTTCGGCGCGGTAGCCCGATGCCATAAAGTAGGGCGGCACGTCTTTGTGT ACGCCTGCGGCAAACGCGGTCATGGCGTAGTCGCCGATGCGGCAGAATTGGAAAACCAGC GTGTAGCCGCCCAAAACGACGTAGTCGCCGATGGTAACGTGTCCGGCAAGCGAGGCGTTG TTGGCGAAAATGGTGTGGTTGCCGATGACGCAGTCGTGCGCAGGTGGCAGTACGCCATA ATCCAGTTGTCGTCGCCGATACGGGTTTCGCCGATGCCGGTTACCGTACCTAAATTAAAG GTGGTGAATTCGCGGATGGTGTTGCCGTTGCCGATAATCAGCTTGGTCGGCTCGTCGCGG TATTTTTTGTCCTGCGGGATTTCGCCGAGGCTGGCAAATTGGAAAATGCGGTTGTTTTCG CCGATGCTGGTGGCCGTTGATGACGGCGTGCGGACCGATTTCGCTATTCGCGCCGATT TGGACGTTGGGGCCGATAACGGTGTACGCGCCGACTTTGACGCCGGAGTCGAGTTCGGCT TTGGGGTCGATGACGGCGGTCGGGTGGATGAGGGTCATGTTTTTCCTTTCCTGTCGTGTT GCCGCGAAGATGCGCGACGGCAACAGGTTGTCTGAAAACTTTCAGACGACCTTTTTCTGA ACACTCAAACCACGCGTTTGGCACACATGATGATGGCTTCGACGGCAACTTGCCCGTCCA CTTTGGCAACGGCGTTGAATTTGCCGATGCCGCGCCGGCTGGTCAGCAGCTCGACTTCAA AGACGAGTTGGTCGCCGGGGATGACTTGGCGTTTGAAACGGGCTTCGTCTATGCCGGCGA AGAAGAAGAATTCGTTTTCTTTGCGCCCGCCTTCGCTCAAAATCGCCAACGTGCCGCACG CCTGCGCCATCGCTTCGATGATGAGTACGCCGGGCATCACGGGCAGGTCGGGGAAATGGC CTTGGAACTGGGGTTCGTTTATGGTGACGTTTTTAATCGCGGTCAGGGTTTTCATCGGCT CGAAGGCGGTGATGCGGTCGAGCTGGAGAAACGGATAGCGGTGGGGGATGAGTTTTTGGA GGTTTGGTTATTTGCTGTCTTGACCGGCATCTGAAAGCTGCTGCTCCAGTGTTTTGAGCC GTTTGTTCATTTCGCTTAAGCGGTGGATGTAAACAGCGTTGCGCGCCCATTCTTTATGGG TGGACATCGGGAAGATGCCGGCGAGGTGTTTGCCGCTTTCGGTAATGCTGTGGGTGACGG ACGTGCCGCCGATGGTGTTTTGTCGGCGATTTCGATGTGTCCGACCGTACCGACGC CGCCGCCGATGATGCAGTAGCTGCCTATGGTTACGCTGCCTGAGATGCCGGTTTTGGCGG CGATGACGGTGTGCGAACCGATTTTGCAGTTGTCCGATTTGGACTTGGTTGTCGATTT TGGTGCCGTTGCCGACGGTGGTGTCGCTCATCGCGCCGCGGTCGATGTTGGTGTTCGAGC CGATTTCTACGTCGCCCAGCGTTACCGCGCGGTTTGCGGGATTTTGAACCACGAAT CGTCGGCGAAGGCGAGTCCGAAACCGTCCGCGCCGATGACCGCGCCGCTGTGGATTTCGA CGCGTCTGCCCAGTGTGCAGCCGTAATAAACGACGGCGTTGGGATGCAGGACGACTTCGT CGCCCAGTTTGCAATCGTGTTGGACGACGGCGTTTGCCAAGATGCGGCAGCCTTCGCCGA GCACGGTGTTTGCGCCGATGTAGACGTTCGCGCCGATTTCGCAGCTGGTGGGAACGGTCG CGCCCGGTTCGACGACGGCGGTCGGATGGATGCCGCCGCGCGCTTTGACGACGGGTGAAA ACAGGCGGCGACTTTGGCGAAATAGAGATAGGGGTCGTCGGCGACAATCAGGTTGCGCC CTTCAAATCCGTCTGCCGCTTTGGCGGAAACGATGACCGCGCCCCGCGCTGCTGTCGTGGA $\tt CTTCGGCTTTGTATTTCGGATTGGCAAGGAAGCTGATGTTTCCGCCTGCGCGTCTGCGA$ GCGGGCGCACGGCGGTAACGGAAATGTCCTCGCCGCGCCCATTCGCCGCCGAGCCGCGCGG TGATTTGGGACAGGGTGTAGGTGGCCGGAATCATGGTTTTCCTGTTCGGTATGCCGTCTG AAAGGGTCAGCGGGCGTTCATTTCTTTAATGACGCTGTCGGTAACGTCGTATTGGGTGTT GACGTAAATCACGTTCTGCAAAATGACATCGTAACCTTCCTGTTTGGCGATTTTGACGAT GACGCGGTTGGCGTTTTGCTGGAGGGAGGCAAACTCTTCGTTGCGGCGGAGGTTGTAGTC TTCTTCAAACTGCGCCTGTTTTTTGCGGAACGCTGCGACCAGCCCGCGCCATTTTTCTTC GGCTTGCGCCTTTTTTGCGTTTCTGAGTTTGCCTTCGGCAAGCTGCCTTTCCAAATCCAG ACCTTCGCGTTGCAGTTTTTGCAATTCGTCCTGACGAGCGGAAAATTCGCTGTCCAGCGT TTTTTGAATCTTGCGCGCCTGCTTGGATTCGAGGTAGATGCGCTCGGTGTTGATAAAGCC GATTTTTTGGAAGGTGTCGGCGTGCGCCCTGCGGTGCAGCACAACCGATCAGAGCCGC GGCAAACGCGCGGGTCAAACGGGTCATGGTAAAACTCCTTCGAATGTTGCCGCGAAATGC CGTCTGAAGGGCTTCAGACGGCATTTGCGGGATTAGAACGTCGTGCCGAGTTGGAATTGG AAGCGTTGGATTTCGTCTTCCGGTTTTTTCTTCAGCGGGTAGGCGTAGCTGAATTTCATC GGGCCTAAAGGCGAGAGCCAGGTAACCGCGCCGCCGGCGGAATAGCGCAATTCGTTGGTA AAGGTGGATTTATGGGTATTGCCGGCGCCGTAAATGTTTTGAACCCTGCCGCCGGTCGCG CTCAGGCGGACGGTGCGCGCGTCTTTCGCGCCGGGCATCGGGAAGAGCAGCTCGGCGGAG ACGTTGGCTTTTTTGTTGCCGCCGTAGCTGATTTTTTCGCCGTATTCGTCATAGACTTTC GGACCGAGCGTGCCGCTTTCGTATCCGCGCACCGAACCCAGGCCGCCGCCGTAGAAGTTT TCAAAGAAGGGGATTTCTTTGGTTCTGCCGTAGCCGCCGCAATGCCGACTTCGCCGCCG TAGTATTGCAGTTTGCTGCCAGGCAGGCGATTTCGGCGTTCACGCCCGTCAGGTAGCCG CGCGTCGGCCATAACGCGCTGTCGGTTTTGTTGCGCCCCAGCCGACGGTACCTTTGTAC AGCCAGCCTTTGAAGCTGCCGTCTGTGCCGTCGGTTTTGCCGTATTTCTTGATAAAGTCG GCATAGTGTTTGGGCGCTTTGTTGTAGGTGTTGACGGTCAGGTGTTCTGCCACCAAACCG GTGGTTTTATATTGTTTGATGCTGGTCGATGCTTTGCGCGGGTCGAAGGCTTTTCCGTAA ACATCGTAGCCCAGGCTGACCCCGTCTGCCGTGAAGTACGGGTCAGTAAACGACAGCGAG

CCGTTAAGCGTGGTTTTGCTCCTGGAGGCGCGCAGTGCGGCCGACTTGCCCGTACCGAAC AGGTTGTCTTGGGAAACGCCTGCGGACATGACCAACCCGGTATCTTGAACCCAACCCGCG CTCAAATCCAGGGAACCGTGGAACGTTCGGTCAGACTCATGTTCAAATCGACTTTGTCG GGCGTGCCGGCAAGCGGGACAGCATCAAACTGGACATTGTCGAAGTAGCCCAAAAGCTCG ACGCGCTCTTTGGAACGTTGCAGCTTGGAGGTGTCGTAAGGTGCGGATTCCATTTGGCGT **AATTCACGGCGGACGACTTCGTCGCGGGTTTTGTTGTTGCCGGTGATGTGTATTTCGTTG** ACGTAGATTTT CCGGCCCGGTTCGATGTGCAGGACGAAATCGACGGTTTTGGTTTCAGCG TTCGGCAGCGGCTGTACGCTGATTTCGCTGTATGCGTAGCCTGCCGAGCCCATGCGGTTC TGAATCTCACCCAAAACGGCGGTCATCTGCTGGCGTTCGTACCATTTGCCGGGCTTCATG GTCAGCAGTTTTTCCAGTTCGGCTTTGGGGACTTCGTTGGTGTCGCCTTCGATGGAGACT TTGCCCCAACGGAAACGTCCGCCTTCGTGGACGGTGATTTTGATGGTCTGCTTGGTTTTG TCTTCGTTGGTTTGGATGTCGGTATCGAGGATACGGAAATCGAAGTAGCCGTTATTTTGG TAGAAGTCGGTTACTTTTTCCATATCTTGGGCAAATTTCTGCTCGTTGAATTGGTTGCTT CGTGTCAGCCATGTCCAAATGCCGCCTTCGGTCAGGGACATTTGCCGCATCAGTTTGCGG TCGGAATAGACTTGGTTGCCTTCAAATTCGATGTCGGTGATTTTGGCGGATTTGCCCTCG TCAATCGTGATGTCGATGTCGACGCGGTTGCGGGCGAGTTTGGTTACTTTGGGCGTGATT TGGATATTGAGTTTGCCGCGCCCGAGGTATTCTTCTTTCAGGCCGGCGACTGCCTGATTG AGTGTCGCCTGATTAAAGTATTGCGACTGCGCCAGCCCGAACGATTCGAGGTTTTTCTTA TCGATAACGGTCAGCAGGAGCTGCCCGTCCGCAGTTTCGACGCGTACGTCGTCAAAGAAA CGGATGTCTTGGATGGTGAAGTCGGCAAGTGCCAAAGGCGATATGCCCAACATCATCAGT GCGGAAGCAATCTGTTTCAGTTTCATTGTCAGTTCCTTGTGGTGCGGAATGCGGTTTCAG ACGGCATTCCGAAACGTAAAATCTAACCGAGCAGCCGGGTAACGTCGTTGAAGAAGGCGA CCGCCATCATCAGCATCATGAGGGCGAGCCCGAAGCGCAAACCGATGTTTTGGACGCGTT CGCCCAAAGGTTTGCCGCGTATCCATTCGGCAGTATAAAACACGAGGTGCCCGCCGTCCA AAACAGGGACGGCAGTAGGTTCAGCACGCCGAGGCTGATGCTGACCAGTGCTAAAAATT CCAAATAACTTTGCAAGCCGAGTTCGGCGGACTGTCCGGCAATGTCGGCAATGGTCAGCG GCCCGGAAATATGGCTGACGGAGGCGTTGCCGCTGATTAGTTTGCCGAAAAATTTGAGGG TTGTCCACGAGTGGGAAACGGTTTTTTCCCAGCCCATGCCGAATGCGCGGACAACAGACG GGGTTTGTCCGGCGCGTTCGTAGTTCAGGGTGATTTTTTTGCCGGGGCTTTGGCGGGTCA GGTTTGCCCATTCTTGCCATGAGGCGATGGGTTTGCCGTCGGCGGCAGTCAGCCTGTCGC CCGGTTTCAGGCCTGCTTTTTCGGCGGGGGCTGCCTTTTTCCACGCCGCCGCCAACGGTTG TGATTTTAAAGGGCATCAGTCCGATGTAGCCTTGGTTTTTTGCGATTTTACCGGCTTCCG GCGTGCCTGCGGCATCGATGGTGCGGACGGTTTGCGCGCCCGATGCCGTCTGAACGCCGA CGGCGACTTTGCCGGCTTCGAGGTTGAGGACGATTTCGGTTTGCGCGCTGCCCCAATCTG CAACGGGTGTGCCGTTGACGGATTGTATTTTGTCGCCGCTTTGGAAGCCGGCGCGGGGGG CAATGGTGTCGGGTTCGACTGTGCCGACGTAGGGGCGCAGTTCGGTTACGCCGAAGGAAA AGCTCAGTCCGTACAGCAAAACCGCCAGTGCGAGGTTGGTCAGTGGGCCGGCGGCGACGA TGGCGATGCGCTTGGCGGGTGTTGTTTGTCAAAAGCGTAGGGTAAATCGGCTTCTGATA CTTCGCCTTCGCGCGTATCGACCATTTTGACGTAACCGCCCAACGGAATCGGGGCGAGGC ACCATTCGGTGTCGCCGCGCTTTCGGGTGAAAAACGGTTTGCCGAAGCCGACGGAAAAGC GTACGACTTTGACGCCGCACAATCTGGCAACGATGTAGTGTCCGAACTCGTGCAGGCTGA CCAAAATCAGGATGGCGAAGATAAAAGCTAGAAGGGTGTGCAAATGGTTTTCCTTTGATA ACGGTGTTCAGATGGCATCAGCGCAGTGTGCCGATAAATGCTCGCGCTTGTGCGCGTGTC CGGGCATCTTGCGCCAAGAGCCCCCCTATATCGCCTATGCCGTCTGAAAAGTCTTGTGCA GCGACGGCGCTTCGTTGGCGGCGTTCAATACGCAGGGCGCGCCTCCGCCTGCGTTCATG GCTTCATAGGCGAGCCTCAGGCAGGGGAAGCGGTCAAAGTCGGGCTTTTGGAAGGTCAGC GCGGACAATGCGTCGAAATCCAGGTCGCCGACACCCGAATCGATGCGCTCGGGCAAACCC AAACAATAAGCGATGGGCGTTCGCATATCGGGATTGCCCCAGTTGCGCCAGCACGGAGCCG TCGCGGTAGCGCACCATGCTGTGTATCACGGATTGCGGATGACGACTTCGAGTTTG TCGGGCGGACAGTTGAACAGCCAATGCGCTTCAATCAGCTCCAAACCTTTGTTCATCATG GTGGCGGAATCGACGGAGATTTTGCGTCCCATACGCCAATTGGGGTGTTTGACCGCTTGG GCGGGCGTAATGCGGTCGAACGTGTTTAAATCGGCGGTCAGAAACGGGCCGCCGGAAGCG **ACTTGGAAAACGGCGTTGTGTTCGCTGTCGACGGGCACCACTGCCGCCGCTTTGCACGG** GTTTTGCCTTTTTGCGCCGCTGCGAGCGCGGAAGGCAGCCCCACCGCCCCGACGATGGCG CACATGACACCGCTGACTTCGTCGGCAGAGGCAACGTCAACCAATGCCTGCGCGCGTGT GCATCGGCAACGACGGCATATTCGGGGTGGAACGTTTGACATTGAGCCGCCAATTTCTCG ACCTGCTTATGCCCTGCCAGCGCGAATACGCGGAATTTTTCGGGGTGGCGGGAGACAACG TCCAGCGTGCTTTCGCCTATGCTGCCGGTACTGCCTAATATGGTCAGGACTTGTGGTGTC ATAATGGGGATAACTTTATACCGGATGCCGTCTGAAGCGTTTTCAGACGGCATAGAATCA ATTTAAAACCGACATCATCGCTGCATAGACGCTGATAACGGCAATCAGGCTGTCGGTACG CTTGAGCCAGCTTTCCAAAAGGTCGCCGCATACGCTGACAACGGTCAGCACCAAACCGAT CATGTACACTGCCACGCAAACCGCGCCGCCGATTGCACCTTCCCAGCTTTTGCCGGGGCT GATTGCCGGCGCGATTTTGTGTTTGCCGAACGCCTTGCCGCTGAAATACGCGCAAATATC GGCAACCCACACCAAACCCATCACGGCGAGCAGCGGCAGGGCATCATCGGGATGCGGGCG

CCAACCGCCGTTGAGCCTCCATTTGAATCTCAACCATAAAGGCATAACGGCGAGCCAAAA GCCGAAAACCAAGGTTGCGGCGAGGTAATGGTTGGTTTTAATTTTGCACAAACCGCCCAT ACGGGCATATTCCCACAAGGCAATCAGGGCAATCAGTCCGCAAAATGCAGCCCACAACCA TTGCGGCGCGTAAAACAGCATGCCCAGCATCAGCGGCAGCCACATGGCGGTTATTAC CCGTTGTTTCAGCATATTCAGTTCCTTTGCTGTTCGATAGGCAGTTGCTCGGAGGTGCGT CCGAACCGCCGTTCGCGTTTTTGGAACGAAGCGACGGCATCGTCCAAAGCCTTGCCGTCA AAATCGGGCCACAAAATATCGGTGAAATACAGTTCTGCATATGCCATCTGCCAGAGCAGG AAATTGCTGATGCGCGTTTCGCCGCCGGTGCGGATGAACAAATCCGGTTCCGGTGCATCG CCCAGCATCAAGTGTTTCGCCAGCGTGTCTTCCGTAATCTCGGATACGCCTTCGGCAATC AGTTTGTTTGCCGCCTGCAAAATATCCCAGCGGCCGCCGTAATCGGCGGCAATGCTCAGG GTCAGGCCGGTATTGTTTGCCGTCAACGCTTCCGCCTCTTCGATGCCTTGCAGAATCTGC CGGTTGAAGCGTTCGCGGCTGCCCAATATCTTCAGGCGCATATTGTTTTCGTGCAGGCGG CGTACCTGTTTTTGCAAAGCCTGTAAAAACAGCCCCATCAGGAACGAAACTTCGTCTTCG GGGCGCCCAGTTTCGGTTGAAAAGGCAAACACGGTCAGATATTGCACACCCAGTTTG GCGCAATGCTTCACCATATTTTCCAATGCGTCCAAACCGCGTTTGTGTCCCATTATGCGC GGGAGGAAACGTTTTTCGCCCAACGGCCGTTGCCGTCCATAATCACGGCGATATGCTTG GGAATGGCGGTGTTCCAAAACGGCCTGCGTGCTTTTCATGTCTGCCTTTCGCGGT TCGGCATTCAAATGCCGTCTGAACGCCGAACCGTGCAGGTTAAATTGCCATCAAATCTTC TTCTTTGGCAGTCAGGAGTTTGTCGGCTTCGGTAATGTATTTGTCGGTCAGTTTTTGAAC CGCTTCTTCGCCGCGACGTGCCTCGTCTTCGGAAATTTCTTTGTCTTTGAGGAGTTTTTT GATGTGGTCGTTGGCATCGCGGCGCACGTTGCGGATAGAGACGCGGCCTTCTTCCGCTTC GCCGCGTACGACTTTAATCAGGTCTTTGCGGCGTTCCTCGGTCAGCATGGGCATCGGCAC GCGGATCAGGTCGCCGACAGCTGCCGGGTTCAGTCCCAAGTTTGAATCGCGGATGGCTTT CTCGACTTTGGCCGCCATATTGCCCTCAAACGGTTTCACGCCGATGGTGCGCGCGTCCAG AAGCGTTACGTTGGCAACTTGGCTGACGGGGACCATGCTGCCCCAGTATTCGACTTCCAC TACTTCGACCGAACGCTGCATCTTGCCTTCGGCTGTTTTTTGAATATCGTTGATCATATT GTTCTTTCGGTGGGATAAGGTGGGCGGGAGACCGTCTGAACGCGTTTCAAGCCGTTCAGA CGGCATAAAGACCGTTAACCGCGAATAGTACCGTTATTCGGGCATAACGACAAGGTAGGC GGATTGGGGATGCCGTCTGAAGCGACAGGCGTTTCAGACGGCATCGTGTCCGACCGTCAG CCGTGTTCCCGTGTTTCAAGCAGGCTTTGGCGCAGGTGTTGGCGTTCGTGGGCATCCAGC CATTTGCGGCGGGTGCGTTGCAGCAGGATGACGAGGGCGGAAATTTCCTGACGCATATTG GTGCTGAGCCAGAGGAAGCCCTGCCATTGGTAGTGGAGGTGTTCGGCGAGGGCTTCCAGT TCGGGGTTGATGGCGGTGTCGATGCGGATGCGGCGGGCGTGTCTGCCGTTGATAAGGGCG ACGGTTTGTTGCAGGTCGGTTTGGAGCAGTGTGAAGTGGCGGTCAAGCAGCCGGATTTCG CTGCCGTTGAGTTTGGGAGATTGCAGCTTGGCGGCGGTGGTCAGGAGCAGCTCGGTGGTG TTGACGATTTTACGGTGGGCGTGCTGCATGGCTTCCATCATGGCGGGGCTGATGCGGCTT ATTTTCGCCATGTTCTCCTCGAGGCGTTCGCGGGTCATGCGCCTTGCCGATTTCG GCAATCATTTTGCTGCAGTCGGCCAGGTTGTCGGCAAGCATGAAACGCCACATCAGTGTG GATTTCAGCGGCAGCAGTTTGGCGGCGGCGATGGCCGCCGCCGATGAGGACGTTC ATGGCGCGCATGAGTCCGCTGTCGAGCCATTCGCTGCCGTTGTCGCCGATGAGCATACAC AGTGCGCTTGCCGTGCCGACGGTGAGGTAGAAGAGGGGGTTGCCGTGGAAATAATGCTGG TTCAGCCATAAAACGCCCAAACCCGCGCCCAGCCCGATGACCGTGCCGAGCATACGTTCC ACCGCCTTGGAGTAAATCGCCCCTTGAAACTGGAGCATGCCGAGGACGACGAAGACGGTC ACGGCCCGGCGAGCCGGACGGCGTGGATGAGGCGGCGGTAGCGTTAGGAG TTGAGCCAGCGGCTGACGAGGCGGTTGCGTTGCGAGGTGTTCATATCGGTTGTGCCGTCT GGTGCCGGAGAAGGGAATCGAACCCCCGACCTTCGCGTTACGAATGCGCTGCTCTACCGA CGGGCGGCGCAAGGCAGTGCGCGGTATAGTGGATTAACAAAAACCAGTACGGCGTTGC CTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTCAAGCACCAAGTGAATCGGTTC CGTACTATTTGTACTGTCGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCGCTAT ATAATGCGGTCTGCTTCGGAAGAGGGGGGGCGATGTTTGTGAACGAGAAATATCCTTA TGCGGCTCTGTTTGCGGGACTGGTGTTTTTGACGCTGCCGTTTGCGTTGCGTGCATGA TGCCTTTGCGCTTCGGACGGACGGGGTTGCTGGTGTCGGTGTCGGACGGCGGATT CGGCTGGCGTGGCGTTGGGACGGCACTGTTTGGTTTGTGTTCGGTGTTTTTCCGTTTTT GAATGTGGTTGTCGGCGGGTCTGACGAAACTGGCGTACAAAAAGATGATGCGGCGGCA TTCGCGTTACACACTGTTTCTGTCGGGCGTGGCGTGCGCTTGCGCGGGGGCAGCGGTGGCTTG GAATATGCGTTTGCCGTGTGGCTGGCGATGCTGACGCTGCCCAAACGCCTGACGCGC GCGCCGGTGCAGCCGGTGTTTTCACAGGAAAAAATAGGTTGGAACGGGAAATGCCGTC TGAAACCCGACACGCGTTTCAGACGGCATGTTTTTCCGCTAACATTACGCCTGAATATG GACAGGAAGCAGATATGGAACGCAAAGAACGCCTGCGTGCAGGCATTGCCGCGATGGGGC TGGATATTTCGGAAACGGCGCAGGACAGGCTTTTGGTCTATGTGGATTTGTTGAAAAAGT GGAACAAAACCTACAATCTGACCGCCCTGCGCGACGAGGAAAAAATGATTGTCCATCATC TTTTGGACAGCCTGACGCTGCCCCCATATCGAGGGTGTGCAAACGATGCTGGATGTCG GTTCGGGCGGCGTCAGCCCGGCATTCCGGCGGCGGTGTGCCGTCCGGATGTGCAAATAA CCCTTTTGGATGCGAATACGAAGAAAACGGCTTTTTTACAGCAGGCGGTTATCGAGTTGG GGTTGGACAATGTGCGCGTGGTATCCGGACGCGTGGAGGCGGTTTCGGACGTGCCG ATGTGGTTACCAGCCGTGCGTTTGCAGAACTGGCGGATTTTGTGTCGTGGACGGTGCATC

TGTTGAAAGACGGCGGCTACTGGGCGGCGATGAAGGGCGTGTATCCGCAGGAAGAAATCG GCCGCCTGCCGCAGGATGTGTGCGTTGAAAAAGTCCAAAGGCTCGACGTGCCGGGCTTGG ATGCGGAACGCCATATCGTCATCCTGAGCAAGCGTTGAGCGCACTTCAGACGGCATGAAT ACCTTTTTTGTGCGGATAAAGGTAAAATTCCGCACTGTTTTTCTTTTTTCAACATCAGAC GGGACACGGGCGGGACATGAGTGCGAACATCCTTGCCATCGCCAATCAGAAGGGCGGTGT GGGCAAAACGACGACGACGGTAAATTTGGCGGCTTCGCTGGCATCGCGCGCAAACGCGT GCTGGTGGTCGATTTGGATCCGCAGGGCAATGCGACGACGGCAGCGGCATCGACAAGGC GGGTTTGCAGTCCGGCGTTTATCAGGTCTTATTGGGCGATGCGGACGTGCAGTCGGCGGC GGTACGCAGCAAAGAGGGCGGATACGCTGTGTTGGGTGCGAACCGCGCGCTGGCCGGCGC GGAAATCGAACTGGTGCAGGAAATCGCCCGGGAAGTGCGTTTGAAAAACGCGCTCAAGGC AGTGGAAGAAGATTACGACTTTATCCTGATCGACTGCCCGCCTTCGCTGACGCTGTTGAC GCTTAACGGGCTGGTGGCGGCGGCGGCGTGATTGTGCCGATGTTGTGCGAATATTACGC GCTGGAAGGGATTTCCGATTTGATTGCGACCGTGCGCAAAATCCGTCAGGCGGTCAATCC CGATTTGGACATCACGGGCATCGTGCGCACGATGTACGACAGCCGCAGCAGGCTGGTTGC CGAAGTCAGCGAACAGTTGCGCAGCCATTTCGGGGATTTGCTTTTTGAAACCGTCATCCC GCGCAATATCCGCCTTGCGGAAGCGCCGAGCCACGGTATGCCGGTGATGGCTTACGACGC GCAGGCAAAGGGTACCAAGGCGTATCTTGCCTTGGCGGACGAGCTGGCGGCGAGGGTGTC GGGGAAATAGGTCAATCCAAATCGGGCTGCCCGTGCCTTTATGCTGTTTGGCCGGGTGCG TTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTGCAAATAGTA CGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCG AGGCAACGCCGTACTGGTTTTTGTTAATCCACTATAATATGGCGGATTAAAATAAAAATA CTTATATCGTCATTTATCGTCATTCCCGCAAAAACAAAAAAATCAAAAACACAAAACTGA **AATATCGTCATTCCCGCGCAGGCGGGAATCTAGGTCTGTCGGTACGGAAACTTATCGGGA** AAAACGGTTTTTCCAACCCTGAGACTCCGGATTCCTGTTTTCGCGGGAATCCGGTTTTTT GAGTTTCAGTCATTTTTGATAAATTCTTGCAGCTTTGAGTTTCTAGATTCCCGCTTTTGC GGGAATGACGCGGAAAAGTTGCTGTGATTTCGGATAAATTTTCGTCACGCTTAATTTCTG TTTTATCCGATAAATGCCTGCAATCTAAAATTTCGTCATTCCCGCAAAAACAAAAAATCA AAACAGAAGCCTAAAATTTCGTCATTCCCGCGAAGGCGGGAATCTAGGTCTGTCGGTACG GAAACTTATCGGGAAAAACGGTTTTTCCAAACCTGAGACTCCGGATTCCTGTTTTCGCGG GAATCCGGTTTTTTGAGTTTCAGTCATTTTTGATAAATTCTTGCAGCTTTGAGTTTCTAG ATTCCCGCTTTTGCGGGAATGACGCGGAAAAGTTGCTGTGATTTCGGATAAATTTTCGTC ACGCTTAATTTCTGTTTTATCCGATAAATGCCTGCAATCTAAAATTTCGTCATTCCCGCG AAGGCGGGAATCTAGGTCTGTCGGTACGGAAACTTATCGGGTAAAACGGTTTTGCCAGCC CTGAGACTCCGGATTCCTGTTTTCGTAGGAATCCGGTTTTTTGAGCTTCAGTCATTTTTG ATAAATTCTTGCAGCTTTGAGTTTCTAGATTCCCGCTTTCGCGGGAATGACGGTTTGGAA GTTACCTGAAATTCAAAAAAAAAACGGAAACCGGACGGATTGGATTCCCGCCTGCGCGGG AATGACGGATTTTAGGTTTTTTTTTTGATTTTCTATTTTTCGCGGGAATGACGGTTTGGG TTCTTTCTCTTTGGAGTTGCGATGCCGGAAATGCCGTCTGAAGGCTTCAGACGGCATTTT GCGGTGTTCGGGCAGCACGCCGTATTTTTCGAGGGCTTCCAAATGCTGCTTCGTGCCGTA ACCTTTGTGTTTGTCGAAACCGTATTGGGGATGGCGTTGCGCCAGTGCGTACATTTCCGC ATCGCGTGCGGTCTTTGCCAAAACGGATGCGGCGGAGATTTCGATGATTTTGCTGTCGCC TTTGACGACGCTTCGGCAGGGATGTTCAAATGTTCAGGAATGCGGTTGCCGTCGATGAA TATTTTTTCGGGACGCACAGCCAAGCCGTCAACGGCGCGTTTCATCGCGAGCATGGTGGC GTGCAGGATGTTGAGGCTGGCGATTTCTTCGGGCGAGGCGGCGACGTGCCACTCAAC CGCCTGATTTTTTATCATTTCGGCAAGCGCGTCGCGTTTTTTCTCGCTGAGTTTTTTGGA GTCGGTCAGTCCGGGCAGGTCGAATGTTTCCGGAAGGATGACGGCGGCGGCAAACACGCT GCCGACTAAAGGTCCGCGTCCTGCCTCGTCCACGCCGGCGGTCAGTATGTGCATGATGTT TCCTGTCGGGATGGTGGGAATGCCGTCTGAAAAGGGTTTCAGACGGCATCGCGCCGATGT GTTTATTTCGCGTCTTTAAACCCGCGCTTCAAATGCACCATCAGCAATGCCACTGCCGCA GGGGTTACGCCGGAAATGCGGCTGGCTTGTCCGACGGTTTCGGGTTTGTGCTGGTTGAGC TTTTGCTGCACTTCTGCCGACAAGCCTTTGACTTTGCCGTAATCGATGCCGTCGGGCAGT TTTAAGGTTTCGATGTCGCGGCGGCTGTCGATTTCTTCGTTTTGGCGGTCGATATAGCCT TGGTATTTGACTTGGATTTCGACTTGTTCGATGACTTCGGCGGAGAGGTTTTCAGACGGC ATCGCGCCTTCGAGCGTCATCAGCGCGCGCGTAGTCGAGGTTTGGGCGGCGCAGGAGGTCG TGCAGGTTGGCTTCGCGGCTGAGTTTTTGTCCGAACACACGGATTTGTTCGCCTTCGGCG AGTTTTTGCGGCGTGTACCACGTTGTTTTCAAACGTTGGATTTCGCGTTCGACGGCTTCG CGTTTTCGTTGAACATGCGCCATTGCGCTTCGGACACCAAGCCGATTTTGTAGCCGTCT TCGGTCAGGCGCATGTCGGCGTTGTCTTCCCTGAGTTGCAGGCGGTATTCGGCGCGGCTG GTGAACATTCGGTAGGGTTCGTTCACGCCTTTGGTGATGAGGTCGTCCACCAATACGCCG AGGTAGGCTTGTTCGCGGCGCAGCAGGAGCGGGTCTTGTCCGCGCACATATTGCACGGCG TTCGCGCCTGCCAATAAACCTTGCGCGGCGGCTTCTTCGTAGCCGGTCGTACCGTTGATT GGATCGAAGTAGTCGTATTCGATGGCGTAGCCGGGGGGCGCAGGATATGGGCGTTTTCCAAA CCTTTCATACTGCGGACGAGCGCGATTTGGATGTCGAACGGCAGGCTGGTGGAGATACCG TTAGGATAGTATTCGTGCGTGGTCAGACCTTCGGGTTCGAGGAAAATCTGGTGGCTGTCT TTGTCGGCGAAGCGGTTGATTTTGTCTTCGATAGACGGACAATAACGCGGACCCACGCCT TCGATTTTGCCGGTAAACATCGGGCTGCGGTCGAAGCCTGAGCGGATGATGTCGTGGGTT TGCGTGTTGGTATGCGTAATCCAGCAGGACACTTGGCGCGGGTGCATATCGGCGTTGCCG CGCACGGACATGACGGGAACGGGCGTGTCGCCGGGCTGTTCGGTCAGTTGGGAGAAGTCA ATCGTGCGTCCGTCAATACGCGGCGGCGTGCCGGTTTTCAGACGGCCTTGCGGCAGCTTC AATTCGCGCAAACGTCCGCCCAACGATTTGGCGGCGGGGTCGCCGGCGCGCCCTTCG TAGTTTTCCAAACCGATGTGGATTTTGCCGGACAAAAACGTGCCTGCGGTCAACACGACG GEGCGTGCTTTAAACTCCACGCCCATCGCGGTAATTACGCCGCTGATGCGTTCGCCGTCG AGCGTTACGTCTTCGACGGCTTGTTGGAAAAGGTCGAGGTTTTCTTGGTTTTCCAACATT

GCGCCTTTGCTGGCGTTCAGGCGGCGGAACTGGATACCGGATTTGTCGGTTGCCAACGCC ATCGCGCCGCCGAGCGCGTCGAGTTCGCGCACCAAATGCCCTTTGCCGATGCCGCCGATA GAGGGGTTGCACGACATTTGTCCGAGCGTTTCGATATTGTGTGAGAGCAAAAGCGTCTGC GCGCCCATACGGGCGGCGAGTGCGGCTTCCGTGCCGGCGTGTCCGCCGCCGACGACG ATAACGTCGTAGGTTTTGGGGTAAATCATGTGGGTCATAGTGTGTATTGCCTGACGGTGT TTCAGACGGCATTTATAGTGGATTAACAAAAACCAGTACAGCGTTGCCTCGCCTTAGCTC **AAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTTCGTACTGCTTGTA** CTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAAACCACTATATTCAATATGCCG TCTGAAAAACGAAATGGATTCAAAAGTAAAGGGTTGGGATTGTACGCTTGTTCGCCCTGT TTTTACAGTGTGCGGAAAGGGAAAAGCCGCTTCGCGGGGAAGCGGCTCCGGTAAGGGCGG GATTTACCAAACGTCGGATTTGATACGGCGTTTCAGGCCCGGATGTTCGGAAAGTTTGAA CTCGGGGTCTTTGCCCATTTTCAGCTTGGCGGTGTAATCGCGCAGCAGCATAAACGCCAA GGGCGAGAGCAGCAGGATGGCGACAAGGTTGATCCACGCCATAATGCCCATCGCCATATC CGCCATATCCCAGACCAAAGGCACATTGGCAACCGCGCGAAATAGACCCACGCCAAAAC CAGCATACGGAAAACGGCGGTAATCAGCCAATGGCTTTTGATGAATTGGACGTTGGACTC GGCATAGGCATAGTTGCCGATAACGGTGGAAAAGGCAAACATAAACAGGATGACGGCGAG GAAGCCCGCGCCCCATTGCCCCACTTGGCTGACAATCGCCGCCTGCGTCAGCGCCGCACC GCTCAAATCGCCGTAAGGCTGTTGGTAAATCAAGATGATGAAGGCGGTGCAAGAACAAAC GATGATGGTATCGACAAACACGCCCAGCATTTGAATCATACCTTGCGAAACAGGGTGTTT CACTTCGGCGGCGGCGGCGTTCGGCGCGGAACCCATACCCGCCTCGTTGGAATACAG GCCGCGTTTGATGCCCATCATCATCGTTTGCGAAATCAGACCGCCGAGTAAGCCGCCTGC TGCCGCGTCGAATTTGAACGCGCCCGAAAAAATCTGACCGAACACGTCCGGAATCATCGG AATATTGGTCAAAATGATGAAAAGCGCGATAAAGAGGTACAAAACCGCCATCAGGGGGAC GACGATTTCCGCCGCTTTAGATATGCGCCTGATGCCGCCGAAGATAATCGGCGCGGTTAA AATCACCAGGGCGACGCCGACATAATGAGGCTCCCAACCCCATGCCGCTTTGACGGTATC GGCGATGGTATTGGTCTGAACCGCTTCAAACACAAAGCCGAAACAGAAAATCAGGCTCAG GGCGAACAACACGCCCAGCCATTTCTGCCCCAGCCCTTGAGTGATGTAGTAGGCAGGGCC GCCCCGGAAATGGTGGTTGTCGTAGTCGCGGACTTTAAAGAGCTGCGCCAGCGAAGATTC GACAAACGCCGAACTCATACCGATTAAGGCGGTTACCCACATCCAAAACACCGCGCCCGG TCCGCCGACTTTGATGGCGATGGCCACGCCGCGATATTGCCCACGCCCACGCGGCTGGC AAGGCCGGTTACAAATGCCTGAAACGGCGTGATGCCGTGAGGGTCGTCCCCCTGTTTGCG GCCGCCGAGCATTCTTTGATGCTGCGCCCGAACAGGCGGAATTGGACAAAGCCCGTGGT TACGGTGAAGAAAGCCCCGTACCCAAAAGCATATAAACCAAGTATGACCACATCGGATC GTTGATGGCGCCGACCCAGCCGTGCAGCCATTCGGTAAAGTTCTCGTTCATATCGCTTCC TTAAAGTTGAAACTCGCACATATTGGCGGTATGCAAGCAGGGTTTAAATTTTGTAAACGC TAGAATCGCATTTTGTTTGGAGCAAACACGATGAAACAGCCTGTTTTTGCCGTTACTTCC GGCGAGCCTGCCGGCATCGGCCCCGATATTTGTTTGGACTTGGCGTTTGCACGCCTGCCC AAAAGCGTCGTCCTGCGCGACTTCGATCCAGAATCAGGCGGCGCGCATACGGCGAGCTG GAAGTGCTGCACCCTGCCGTCGAAGCGGTTGAGGCGGGCAAACTCAATCCCGCCAAC GCCGCCTATGTGCTGCAACTTTTGGACACCGCGCTCGCAGGCATTTCAGACGGCATTTTC GGTTTTTTCAGCGGACACCCGAATATCTGGCGGAAAAAAGCGGCACGGGGCAGGTCGTG ATGATGCTTGCCGGCAAAGGCCTGCGCGTCGCCCTCGTAACGACCCACCTGCCGCTGAAA GACTTAAAACACAAATTCGGCATCAAAAATCCCAAAATCCTTGTCGCCGGACTTAATCCC CACGCCGGCGAAGGCGGACACCTCGGACACGAAGAAACCGACACCATTATCCCTGCATTG GAAAACCTGCGCGGAAGGGATAAACCTTGCCGGCCGTATCCGGCGGACACATTGTTC CAGCCGTTTATGCTCGAAGGTGCGGATGCCGTATTGGCGATGTACCACGACCAAGGGCTG CCCGTGTTGAAATACCACAGCTTCGGACAGGGCGTGAACATCACGCTCGGCCTGCCCTTT ATCCGCACCTCCGTCGATCACGGCACCGCGCTTGATTTGGCGGCAACCGGCAGGGCGGAT TCCGGCAGCCTGATAACTGCCGTGGAGACCGCCGTCGAGATGGCGCGCGGCAGCCTTTAA AGATGATAAAAGACCCGTCATTTCCGCGCAGGCGGGAATCCGGTCTGTTCGGTTTCAGTT GTTTTTGGGTTTCGGGTAATTTCCAAATCGTCATTCCCGCGCAGGCGGGAATCCAGACCA TTGGACAGCGGCAATATTCAAAGATTATCCGAAAGTTTGAGGTTCTAGATTCCCGTTTTC GTTTCGGGCAACTTCTAAACCGTCATTCCCGCGCAGGCGGGAATCCAGACCATTGGACAG CGGCAATATTCAAAGATTATCTGAAAGTTTGAGGTTCTAGATTCCCGTTTTCACGGGAAT GACGGAATGTTGCGGGAATCCGGCTTGTTCGGTTTTCGGTTTTTTTGAGGTTTCGGGCAAC TTCTAAACCGTCATTCCCGCGCAGGCGGGAATCCAGACCATTGGACAGCGGCAATATTCA AAGATTATCTGAAAGTTTAGAGGTTCTAGATTCCCGTTTTCACGGGAATGACGGAATGTT GCGGGAATCCGGCTTGTTCGGTTTCGGTTTTTTTTGAGGTTTCGGGCAACTTCTAAACCG TCATTCCCGCGCAGGCGGAATCCAGGCCTTTGGGCGACGGCAATATTCAAAGATTATCT GAAAGTTTAGAGGTTCTAGATTCCCGTTTTCACGGAAATGACGAAATGTTGTGGGAATCC AGACCTTCGGGCAGCGCAATATTCAAAGGTTATCTGAAAGTTTGAGGTTCTAGATTCCC GTTTTCACGGGAATGACGAAAGGTTGTGGGAATCCAGACCTTCGGGCAGCGGCAATATTC AAAGATTATCCGAAAGTTTGAGGTTCTAGATTCCCGTTTTCACGGGAATGACGAAAGGTG GCGGGAATGACGAAAGGTTGCGGTAATCATGGGAATGGCGAAGTTTCAGACGGCATCGTC CACCCTCCGCCGTCATTCCCGCGCAGGCGGGAATCCAGGCCTTTGGGCGACGGCAATATT CAAAGATTATCCGAAAGTTTGAGGTTCTAGATTCCCGTTTTCACGGGAATGACGGAATGT TGCGGGAATCATGGGAATGACGGAATGTTGCGGGAATCATGGGAATGACGGAATGTTGCG GGAATCATGGGAATGACGGAATGTTGCGGGAATCATGGGGAATGGCGGAATGTTTCGGTAA TCACGGGAATGGCGAAGTTTCAGACGGCATTGCAGGTATCCGAACCCATGTAAAAAAGAG

GTTCTGCGGAACAGAACCTCTTTTTGCCGCCGTCGGTTCAGCCTTGCCGGGTTTCGACTT GGATCATTTCTTCGGCAGGGACGGTTGCGACTTCAGACGGCTTGGGCTGTTCGGAACGGC GCAAACCGCGTCCGGCTTGGACTTCGGGTTGTGCCGCCCATGCCTTCAATGCGGCAGGGT CCGTAAAGGTTGCGGTTTCAGACGGCATTTCCTGTGCTTCGGCTTTCGGTGTCGCGCCTT CGGGCAGGATGGCGGCGGTGGCACGGCGGATTTTTTCCGCCGCATCATAAACCGGTGCGT CGCCGTTTGAAACGGCGGAGATGCTGTCGGAAGATCCCTTTCTGCAACCGGATCGGCAA TGCTGACAGTAATCGGCGCGTTTGCGTCGGTTTCGCCGAAAACGTGCGCGGCGGAAC GGACTTTGTCGGCGGTGTCGTGAATATTCAGGTACTGCTCGATTTTGGCGGCAGACGGAA TATTGCGTTTTTTGCCGTTTTGACGGCGGTCGCGCTGATTGTTGCGCTCGCGGCGTTCTT TGGCATCTCGGCTGTCGCGTTCGCGGCGGTTGCGTTCGGATTTGGGCTTGCTGCTTTGT CTTCTGCGGTATGCGGTTCGGACGGCGTGTTTTCCGCTGTCTGAACGGTTGTTTCGGCAA TTCCGGTTTGCACTTCGGTTTCGGACGGTGCGGCATCTGCAACGGTTGCGGCAGGCTGTA CGTTGCGGCTTTGGATTTCCGCTTCGTTGGCGCGTTCGGCGGCACGGTCGCCGCGTTCAT TGCGGCGGCGGTTGCCGTTGTCGGCTTTCGGCACGCGCTTCCTGTCCGG CAGTTTTGCCTGCCACTTCGCGGACTTCTACTTTGCTGCCTTCGCGTTTGCTGCGGCGCG GGTTTTGGCGGCGGTTGTTGGCGCGGCTGCCGCTTTTCGG AGGTTTCGGCAGCGGGCGCGGCTTGGGTTTCGCTGCCGCCGAAAATGCGTTTGAGCCATG TGTGGCGCACGCCTTTGACGGCGGGTTCGGGACGGCCGCTTTGGCTTTTTCGCCGCCGA ACGGTTTGGCGGATTCGTCTTCTTCCGGCTCGGCGACGCGTTTGTAGCTCGGTTCGCCGT CTTCTTCTACGTCGTGCGGATGCGGTTGATTTCGTAGTGCGGATTTTCGAGGTGGA TGTTCGGAATCAGGACGACGTTGACATCCAAACGCTCTTCCATCGCAAACAGCTCGGCGC GTTTTTCGTTCAGCAGGAAGGTGGCGACATCGACGGGCACTTGTGCGCGCACTTCTCCGG TGTTGTCCTTCATCGCTTCTTCTTGAATGATGCGTAAAACGTGCAGGGCGGTGGATTCGA TGCCCCGAATCACGCCGGTGCCGGCGCGCGCGGACAGGCGACGTGGCTGCTTTCGCCCA AAGCCGGTTTCAAACGTTGGCGGCTCAATTCTAAAAGTCCGAAACGGGAGAGTTTGCCCA TCTGCACGCGGCGCGTCTTTTTTGAGCGCGTCGCGCAGGACGTTTTCCACATCGCGCT GGTGTTTGGGGTTTTCCATGTCGATGAAGTCGATGACGACCAAGCCGCCCAAGTCGCGCA GGCGCATTTGTCGGGGGACTTCTTCGGCGGCTTCCATATTGGTTTTGAACGCGGTGTCTT CAATGTCTGCGCCGCGAGTGGCGCGTGCGGAGTTCACGTCGATGGAGACGAGGGCTTCGG TATGGTCGATGACGATCGCGCCGCCGGAGGGCAGGCTGACGCTGCGCGAAAACGCGCTTT CGATTTGGTGTTCGATTTGGAAGCGGGAAAACAGCGGCGTGTGGTCTTCGTAGAGTTTCA GACGGCCTATATTGCCCGGCATGACGTAGCTCATGAACTCGGCAACTTGGTCGTAAACTT CTTGATTGTCCACCAAAATCTCGCCGATGTCGGGGCGGAAATAGTCGCGGATGGCTCGGA TCAGCAGCGAGCTTTCCATAAAGAGCAGGTAGGGGTCGTGATGCGCTTTTCCTGCTTCTT CAATCGCCTGCCAGAGTTGTTTGAGGTAGTTCAAGTCCCATTCCAACTCTTCCGCGCTGC GGCCGATGCCGGCGGTACGGGCGATGATGCTCATGCCGTTCGGAATGTCGAGTTCCGCCA TGGCGGCTTTCAACTCTTGACGCTCTTCACCTTCGATACGGCGGGATACGCCGCCGCCGC GCGGGTTGTTCGGCATCAATACCAGATAGCGTCCGGCGAGGCTGATGAAGGTGGTCAGCG CGGCGCCTTTGTTGCCGCGCTCGTCTTTTTCGACTTGGACGATGACTTCCATGCCTTCTT TGAGCACGTCTTGGATGCGCGCGCGTCCGCCTTCGTAGTCTTGGAAGTATGAGCGGGAGA CTTCTTTAAACGGCAAGAAGCCGTGGCGGTCGGTTCCGTAATCCACGAAACACGCTTCCA GCGACGCTCGATGCGGTAATGATGCCTTTGTAGATATTGCCTTTTGCGCTGTTCTTTGC CCAGCGTTTCGATGTCCAAATCCAGCAGGTTTTGTCCGTCGACGATGGCAACGCGCAGCT CTTCGGCCTGCGTTGCGTTAAATAACATTCTTTTCATGATCACCTCGTGGGCAGGCGGCG TTCAGACGGCACATGCCCGGTTCGGCATTCCGTAAGGCTGGGTTTTCCGATGTTTTCGGA TAAAACCGGTAATCAGTTTTTGAGTTGAAAATCCGCAGGGATGCACGTTCCGGAGAACCG TGTGCGGAAGGGTCGGATACAGAAGGCTATAAAGATCGATGCGGCGGTTTGTCTGCCGCG TTCCGAACGCTGCGGTCGGAAAAATGGGGGCCGGCTTCTTCTTGTTATCGTGATGCCTGT GTTTTGGGCGGTTTGCGTTTGGGACTTGGGCCCGGCTGCCGTCTTACTTCCGCGCCGAAA CGGCAAAATCAATTCAAACTTGATTACGTTCTGCGCCTGCCGGCTGGGAACAGGCGCAGG GAAAATGCTTTGCGGAGTGCGTTTTTAATATAAAATTCCGTTTTAAAGTAAACCGTTTCA GGAGGCGCGGGGGCGCTTTTTGCTGAAACGGATGTTCGGATTATAGATGAAAACGCA CGAAATAAGCAAAGATTCGGTCAGCTTGATAGGGGTTGCCGAACATGAGGCGGGTCAACG CCTTGATAACTATCTGATAAAAATCCTCAAGGGTGTTCCCAAGAGCCATATCCACCGCAT TATCCGCGCCGGCGAGGTGCGGTTGAACAAGAAACGCTGCAAACCCGACAGCCGTATTGC GGAGGGGGATACGGTGCGGATTCCGCCTGTGCGCGTGGCGGAGAAGGAAATGCCGTCTGA AAGGCGTGCCGCCGTACCGGCGCGTGCGTTTGACGTTGTTTACGAAGACGATGCGCTTTT GGTCATCGACAAACCGTCCGGCGTTGCCGTCCACGGCGCGAGCGGCGTGAGTTTCGGCGT TATCGAACAGTTGCGCCGCCCGTCCGGAGGCGAAGTATTTGGAGTTGGTTCATCGTTT GGACAAGGATACGAGCGGCTTGTTGATGGTGGCGAAGAAACGCAGCGCGCTCGTCAAACT TCACGAAGCCATCCGTAACGACCACCCCAAAAAAATCTACCTTGCGCTGGGGGTGGGCAA ACTGCCGGACGACAATTTCCATGTCAAACTGCCCCTGTTCAAATATACCGGCGCACAAGG CGAAAAGATGGTGCGCGTCAGTGCGGACGGGCAGTCGGCGCATACGGTGTTCCGTGTGTT AAGCCGTTTTTCAGACGCATTTTGCACGGTGTCGGGCTGTCGCACCTGACTTTGGTGCG GGCGACGTTGAAAACGGGGCGCACGCACCAAATCCGCGTCCACCTGCAATCTCAAGGCTG TCCGATTGCGGGCGACGAACGCTACGGCGATTATCAGGCGAACCGTCGTTTGCAGAAGTT GGGTTTGAAGCGGATGTTTTTGCACGCGTCCGAGCTGCACTTGAACCATCCGCTCACGGG CGAGCCGCTGGTGTTGAAGGCGGAGCTGCCGCCGGACTTGGCGCAGTTTGCGGTGATGTT GGAAAACGGGACGAAAATGTGAACCCCGATGCCGTCTGAAGCCTTCAGACGGCATCGGGA AGTGTCGGCGAAGCGTCGGGGGACCTATTGGGGGCGCACCTGATACGCGCCATCCGCAAG CGTTGTCCGCAGGCGCGGTTTACCGGTATCGGCGGCGAACTGATGAAGGCGGAAGGTTTC

GAGAGCCTTTATGATCAGGAGCGGCTGGCGGTGCGCGGCTTTGTCGAAGTGGTCAGGCGG CTGCCGGAAATTTTACGGATACGCAGGGGGCTGGTACGGGATTTGCTGTCGTTGAAACCT GATGTCTTTGTCGGTATCGATGCGCCCGATTTTAATTTGGGTGTGGCGGAAAAGCTGAAA CGGTCGGGGATTCCGACCGTGCATTATGTCAGCCCGTCGGTGTGGGGCGTGGCGGGGAA CGTGTGGGCAAAATCGTGCATCAGGTCAACCGCGTGTTGTGCCTGTTCCCGATGGAGCCG CAGCTTTATCTCGATGCGGGCGGACGTGCGGAGTTTGTCGGTCATCCGATGGCGCAGCTT ATGCCCTTGGAAGACGACCGTGAAACGGCGCGGCAAACTTTGGGCGTGGATGCCGGCATC CCCGTATTCGCCCTGCTGCCCGGCAGCCGCGTCAGCGAAATCGACTATATGGCGCCGGTG TTTTTTCAGACGGCATTATTGTTGTTGGAACGCTATCCCGCCGCACGCTTCCTGCCT GCCGCAACGGAGGCGACGAAGCGGCGTTTGGCGGAAGTTTTGCAGCGGCCGGAGTTTGCC GGATTGCCGCTGACGGTAATCGACAGACAGTCTGAAACAGTGTGCAGGGCGGCGGATGCG GTGCTGGTAACGAGCGGTACGGCAACTTTGGAGGTGGCGTTGTGTAAGCGTCCGATGGTC ATCAGCTACAAGATTTCGCCGCTGACCTATGCTTATGTGAAACGCAAAATCAAAGTGCCG CATGTCGGCCTGCCGAATATCCTGTTGGGTAAGGAGGCTGTGCCGGAATTATTGCAATCT GAAGCAAAACCGGAAAAACTGGCGGCGCGTTGGCGGACTGGTACGAACACCCCGATAAG GTTGCCGCGCTGCAACAGGATTTCAGGGCGTTGCACCTGCTGTTGAAAAAAGATACGCCG GATTTGGCCGCGCGCGCGTTTTGGAAGAGGCGGGATGTTGAGCGGTTAATGGATTATTT TCCCGAAGCAGCACGTATTACAAAAAAAGGGGGAGAAATTGTGATTAATGGCACATCAAA CAATAAGTATTTAAGAGGAATTCCAAATGAAACAGAACTGGCCCGAATGGGATTAAGGTT AAAATATAATGGTCAGTTAACTGATTAATTTTGTTATATATGATTTATGATTATAGCTTA TACTAATACGCTTACTTACCTTGTTTCATTTGTTCTTCGTAAATTTCTATTTTAGGCAAT TGTGTCAGTTCAATAGGGCAAGTTGCTCCCCACCAAAAATGTTCTACATAAAACCAAGGA TTATCTGGAAAATATAGCAACATCTCTTCCATATCCGGCCAAATTCTTCTTAATTCATCT ACCTGTGTTTTTGGCGAACCAGTTAATATTTTTGGAGGATTTTCACGATAATCGCATAAT TCAATAACACCATCTGATAAAAGTTCTTCCAAAAAATCAAAAAATCTAATTTTTAAATTT TCACAATATTCTAAAAGATTATATTTTATCTTCACATTCATAACGTAACCTTTATCTAAA TTTTAATTCTAATCTTTGCCCATGTACTGAATCAGGTTGATTCCTAAACTCAATCGTCCA TTTTGCTCCAGTTTGTTCTCGGCTAGTTGAAAAATTCCTTAAAATAAAGGAAGAGTTTAA **ACAACTGAAATTTCATAAGAGTAGTAGAACCAACTTGGACTCAAAAAATCTTAAACTCAT** TGTTTTTGAAAAGGTAAAATAATATGACAACTTATACCATTCCAAAAAAAGATTATCAAT TTCTGTATATATGAGGGCACTCTATTAAACTATACTTTGAAAAACGATGAATTCCATA TCATCGTCCAGAATGTGGATTATCCGGACTTTCCTCAAGAGATTCCTACACCAAATTATA CAGACTGGGTAAAAATTAAATTCAAGCAGTTCAGCTATCTGAAATTTATCTATGGATACG CCACGAAGAACCAAGATAAAAATATCAAAAATGTATTGGAACTTGGAGAATTAAAGCAGG ATGATGAAATCTTGGATTATGGAGGTGCGCTGGAAGTGATAGGCAGTAGGTATGATCTTC CGACCGGTTTTAGTATAGATATAGTTTGCCGGGAAATAGAGTTAGAATTTTTAGATCAGG AGAGTTTCAATTAAACGAGCCGTAGCTTGTTATGCTGAGCAGGCAACTTTATCGTATTTC CTTTTCGGTTGAAACCCCGCCACTCGGACATCTGTCCTTCGGGGCGGTAGAATCAGATTT TATTTGGGAGGGGCGTAACCCCTTCCGAATCAGGGCAACACATAGGGCGACGCTTTATGT GTCGTCCTGTGTGTGAAACATTGATATGCCGATACGGAGCCTGTCGGCAAAATGCCGTC TGAACAATATCTTTTCAGACGGCATTTTGTATGGGGGTTAACGGTTGTTCAGCCCGAGTA CGTCCTGCATATCGTACAAACCCGTTTTGCCGTTGACCCAAACTGCGGCGCGGACGGCAC CGGCGGCAAAGGTCATGCGGCTGCTGGCCTTGTGGGTGATTTCCACGCGCTCGCCGTCGG TGGCGAAGAGGGCGGTGTGGTCGCCGACGATGTCGCCTGCGCGGACGGTGGCAAAGCCGA TGGTCGACGGATCGCGGACCGGTGTGGCCTTCGCGGCCGTAAACGGCGCATTGTTTGA GGTCTCTGCCGAGCGCCGCCGATGACTTCGCCCATGCGTAACGCGGTGCCGCTGGGGG CATCGACTTTGTGGCGGTGGCCTTCAATGATTTCGATGTCGTAGCCTTCGTTTAATA CGCGTGCGACGGTGTCGAGGATGTGGAAGGTGAGGTTGACGCCGACGCTGAAGTTGGCGG CGAAAACGATGCCTGTTTTTTCGGCGGCAGTGTGGATAGCGGCTTTGCCCGTATCGTCGA AGCCTGTTGTGCCGATGATGTTGTTTGACTTTTTTCAACGCATTTTTGCAGGTGTTTGA GGGTGGGCTCGGGGGGGGGAAGTCGATGAGTACGTCGCTTTGTGCGAGAACGGCGTCAA CGTCGTCTGAAATGGCGATGCCGGTTTTGAGTCCGACGGCGTAGCCTGCGTCCAGCCCGA GGGCTTCTGAGCCTGAGTGTTCAAGCGCACCGGAAAGGACGGTGTCGGGATGGTTGTTGA CGGCTTCAACCAATACGCGTCCCATACGGCCGTTTGCGCCGGCGATGGCGATTTTGAGCG GTGTCATGTGTTCCTTATGGTTTGTCTGTGTTTTGGCGGTCTTTGAGGGCTTCGGCAG CGTTTTGCAGGACGTCGCCTTCGGTGCGGACGAGTACGCCGTTTTCAAAATAGACGGTCA GATTGCTGCGTTCTTTGATGATGCCGTTGCGGGAGGTGTTGAAGGTATAGTCCCAGCGGT CGGTATGGAATGCGTCGCGCAGTATGGGGCTGCCGAGCAGGAGCAGGACTTGGTCTTTGG TCATGCCGGGGGGGGGGGGGCGCGCGCGCGCGCTTCGAGTTCGTTGCCCTGTATGATTT TGAGTTTGTACGAGGGGAACAGTGAAACGCGTTCGGCACTGCACGCGGCAAGGCCGAGGA GGGCGGAAAGGGCGAGGATGAGGGTTTTGTTCACGGAAATGCCTTTCTGTGCAAATCGGG ATGGGTAGTGTAACACTGCTTGAATATTTTATAAAAGCGAACGATAATCATACGATTAAG CGGTATCCGCCCTGTCCGCCGCATCGGCCGCCGGTGCGGTTTTACTATTGCAAACTGCTAT GGTGCGATAGTGGGCAAACAGGCCGAAATTGCGTATTATAACGTCTATTGTTTTACAGGG GTATTGAATATTATGGAAAAATTCAACAATATTGCACAACTGAAAGACAGCGGTCTGAAG GTTACCGGCCCGCGTTTGAAGATTTTGGATTTGTTCGAGACGCATGCGGAAGAGCATTTG AGTGCGGAAGATGTGTACCGCATTTTGTTGGAAGAGGGTGTGGAAATCGGTGTGGCGACG ATTTACCGTGTGCTGACCCAGTTTGAGCAGGCGGGCATTTTGCAACGCCATCATTTTGAA ACGGGCAAGGCGGTTTATGAGTTGGACAAAGGCGACCACCATGACCACATCGTCTGCGTG AAGTGCGGCGAGGTAACGGAATTCCACAATCCCGAAATCGAAGCCCTGCAAGACAAAATC GCGGAAGAAAACGGCTACCGCATCGTCGATCACGCGCTTTATATGTACGGCGTGTGCAGC GACTGTCAGGCCAAGGGCAAACGTTAAATCCGGACGGTTTGTTGTTCAGACGGCATTCAT GATTTGGATGCCGCCTGTGTTTTTGGAGAACTGTCATGCGTATTCCGCTGCTTGCCCCT GACAATTATGCCTTTCCCGATCCTGCCTATGCTTTGGCCCGGTGCGACGGGCTGGTCGGC

GTGAGCGGCGATTTGGATGCGGGGCGGCTGCTTGAGGCGTATCGGAACGGCGTGTTTCCG TGGTTTTCCCGGGACGGTGGTTTTTTTGGTATGCGGTCGGGCCCCGTGCGGTGTTT CCCGACAGGCTGCATATTCCGCGCTCGCTGGCGAAAACGCTGCGCAACGGCAGCTATCGG GTTGCGGTCAACGGCTGTTTTGCGGAAGTGGTCGCGCATTGTGCGGCAGCGCGCCCCG AATCAGGACGGAACTTGGATTGCGCCCGAGTTTCAGACGGCATATTTGAAGCTGCACGAA ATGGGGTACGCGCATTCTTTCGAGTGCCATTATCCCGATGAAAGCGGTGAAACGAGGTTG GCGGGCGGCTTTTACGGCGTTCAGATCGGCAGGGTGTTTTATGGCGAATCGATGTTCGCA TTACAACCGGATGCGTCGAAAATCGCGTTTGCCTGCGCCGTGCCGTTTTTGGCGGATTTG GGCGTGGAACTGATAGACTGCCAGCAGGATACGGAACATATGCGCCGTTTCGGTTCGGAG CTGCTGCCGTTTGCGGATTTTGCCGAACGTCTGCGGATGTTGAACGCCGTGCCGTTGAAA GAGGAAATCGGGCGCGCGAAGTGGCGTGCAAGGGGCTTTGATGGCGGCTTATGCTCCGG TCAGGTTCAAATATGGTGGATTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGC CGCAGACAGTACAAATAGTACGGCAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCC ACTATAAAATTAGAAATGACGACAGCCGGATAAAATCACGGTGAAAATGAAAAATGCCGT GAGCGGGCGCACTTCAAGTCCGAACATACGGCGTGCGGTGTTCAGCATTTGGCAGCTGAA GCCCCATTCGTTGTCATACCAAGCGAACACTTTGACCATGTTGCCGTCAACGACTTTGGT CAGTGTTGCGTCGAAGTGGCTGGCTTCGGTAGTGTGGTTGAAGTCCATGGAAACCAAGGG CAGGGTGTTGTAGCCCAAAACGCCTTTGAGCGGGCCTGCTTCCGAGGCGGCTTTCATCAG TGCGTTGATTTCTTCGACTGTGGTGTCGCGCGCGCGTTGGAAGCTCAAATCTACCAATGA TACCAAACCGACGCTTTTGCCGCGCCGGTTTTGGTCGGAATCATGTTTTCCACGCCGCT GCGGGCGCGCAGGTCTTTGTGGCGCACGTCGGTAACGGTTTGGTCGTCAGCGC GTGGATGGTCATCGCGCCTTTGACGATGCCGACGCTTTCGCTCAACACTTTGGCAAC CGGCGAGAGGCAGTTGGTGGTGCAGGAAGCGTTGGAAACGACGGTCATGTCGGCGGTCAG GACGCTGTCGTTCACGCCGTACACGACGGTTGCATCGACATCGTCGCCGCCCCGGTGCGGA CGCGCCGGTGCATTCCATGACCAAATCGACACCGAGTTCTTTCCACGGCAGTTCGGCAGG GTTGCGGGTCGAGAAGAAGGGGATTTTGTCGCCGTTGACGATGAGGTTGCCGCCGTCGTG GGATACGTCGGCTTCAAAGCGTCCGTGCACGGTGTCGAATTTGGTCAGATGGGCGTTGGT TTCAAGGCTGCCGCTGGCGTTGACGGCGACGATTTGGAGTTGGTCTTGAATCTGATAATC GTAGATGGCGCGCAAAACCTGGCGGCCGATGCGTCCGTAGCCGTTGATGGCGACTTTGAT GCCCATGGTTTGTTCCTTTGTTGAGGGTTGGGTAGATTTTCGGGGGCGGATTATAGCAAAT TTGTAGTGGCGTGTAATTAATATTTTATTGAAAACGGCGCGGCCGGAAGGGTGGGCGGTA AGATGCGGACGGCACGGGTGCGGCGGACGGAGGCTTGATAAAATGCCGTCTGAAGCGGC TTCAGACGGCATATCAGGGAAGGGTCAGGAGGCGGTATTCTGTGCGGCTTCCTGTTTGGC TTTGTATTGTTTGAGATATTCGAGGGCGGCGCTTTTTCGCTGTCGCTGCCGTATTTCAT ATCGCGTTGGGCGCGCGCAACTCGGCGCGTTCGCGGGCTTCGGCTATCTGTTTCGCCTG GGCTTTGGCGATGAGGTCGGCAGGGTTAAACGTCGGTTTTTTCGGTGTGTCGGGCGTTTG CGGACGCGCTTGCGGACGGCGGCTTCGCGTTCGGCAAGCATGGCCTTGCGTTCGTCGGC TTCGCGCTGTTTGCGTTCGTTGCGTTTGAGGTAGCGCGTGCGCGCGTGTTCGGCGGCGGC AAAACGGCTGTCGGCGACAGGCTGAAGCGGCGCGCGCGGGGCAGGACGGTGTCGGCAAC GGGCTGCATATGGATGCAGTCGACGGGGCAGGGGGGCGACGCAGAGTCCGCAGCCGGTGCA TTCGTCGGCGATGACGGTGTGCATAAGTTTGCCCGCGCCCATAATGGCATCGGCAGGGCA GGCGCGGATGCAGCCGATACAGGCGGTTTCGTCTATCCGGGCGAGTGCTTT GGCTTGGGTTTTGGCAGGTGCGACAAAGGGTTTGCCGAGCAGGGCGGAAATGTCCCGAAT GACGGTTTCTCCGCCCGGGGCGCAGAGGTTGTACGCTTCGCCTGTTGCGACTGCCTGTGC GTAGGGCAGCCGTCGTAGCCGCATTCGCGGCATTGGGTTTGGGGAAGCAGGCGGTC TATGGCGGCGGCTGTGGCGGTCATGTCGGTGTGCGGCTCAAAATCGAAAGGGCGTATTTT AGCAGAATTGTATGCCGCCCCGTTTCGGATGGTGCGCGGTGTTTTGTTATAATGCGGCG GCGTATGCCGTTTCAGACGGCATTTTTCTGTATTTTCCTGTTCGGACGGTCTATGAACGA ATTTTCGCTTGCCCCTATTGTGATTGTTTTGCTGGTGTCGGTCATTACGGTGATCCTGTG CCGCAAGTTCAACATTCCCTCCATGCTGGGCTACCTGCTGGTGGGCTTTTTTGGCGGGGCCC CGGTATGCTCAGCCTGATTCCGAAAAGCCATGCGACGGATTATTTGGGCGAAATCGGGAT TGTGTTCCTGATGTTCAGCATCGGTTTGGAGTTCTCGCTGCCCAAGTTGAGGGCGATGAG GCGGCTGGTGTTCGGTCTGGGCGGTTTGCAGGTCGGCATTACGATGCTGTCGGTAATGGG CATACTGATGCTGACGGGCGTGCCGTTCAATTGGGCGTTTGCCGTGTCGGGCGCGTTGGC GATGTCGTCCACGGCGATTGTGAGCCGGATTTTGTCGGAAAAGACGGAATTGGGGCAGCC GCACGGTCAGATGGCGATGGGCGTGCTGCTGATGCAGGACATCGCCGTCGTGCCGCTGAT GATTCTGATTCCCGCGCTGGCGGGCGGAGGGGACGGAAATATTTGGGCGGCCTTGGGTTT GGCGTTTGCAAAAATGCTGCTGACGCTGGGGCTGCTGTTTTTCGTCGGCAGCAAAATTAT GTCGCGATGGTTCAGGATGGTGGCAAAACGCAAATCGTCCGAACTCTTTATGATCAATGT GCTGCTGGTAACCTTGGGTGTGGCTTATCTGACTGACTGGAAGGTTTGTCTATGGCGTT GGGCGCATTCGTTGCCGGCATGCTGCTTTCGGAAACGGAATACCGTTTCCAAGTCGAAGA CGACATCCGCCCGTTCCGCGATATTTTGCTCGGCTTTTTCTTTATCACGGTCGGCATGAA GCTGGACATTCAGGCATTGATCGGCGGCTGGCGGCAGGTATTGATGCTGTTGGCAATGCT CGACAGCCTCAAAACGGCTTTGTATCTCGCGCAGGGCGGCGAGTTCGGCTTCGTGATGCT GGCCATTGCCGGGCAGCTTGATATGGTTTCGCCAGAATGGGAACAGGCGGCGACGGCGGC GGTTCTGCTGTCGATGATTATCGCGCCCTTCCTCTTGGGCGGCAGCGATGCGCTGGTCGG GCGTTTGGTCAAGTCAAGCTGGGACATGAAGTCGCTCGATCTGCACAGTATGCTGGTAGA CGGACCCGTCCTTGCCCAAGAGGATATTCCGTATTTCGCGCTCGACTTGGACATTGCGCG GGTGCAGGTTGCCAGAAGTGCGGGCGAACCGGTGTCGTTCGGCGATGCGAAACGCAGGGA

AGTATTGGAAGCCGCCGGTCTGGGACGGGCGAAAATGGTGGTGGTTACGCTCAACAATAT GCACGAAACGCAACACGTTTTAGACAATGTGCTGTCCATGTATCCCAATATGCCCGTATA TGTGCGCGCCACCAACGACGATTATGTGAAAACGTTTACCGATATAGGTGCGGAAGAAGC CGTGTCGGACACCAAAGAAACCGGACTCGTGCTGGCAGGCTATGCAATGTTAGGCAACGG CGCGTCGTATCGGCACGTCTATCAGACGATGGCAAATATCCGCCACAGCCGTTATGCCGC GTTGGAGGACTGTTTGTCGGTAGTGATGATGAGGCAGGATTCGGCGAAAACGGCGAAAC CGTCCGTCACGCCTTTCCTTTGGCTGCAGAAGCATACGCCGTCGGCAAAACAGTCGGCAC TGAAAACCCGGATGCCTCGTTTACATTGGAAGGCGGTGACGTGTTGGTGGTCGCAGGCAA AAAAGAAGAAATTATCTCTTTTGAAAACTGGAGTTTGCAGGGAATATAAATGAAATGCCG **AAATAAGGCTTGCGCCATTTCCGGTTATTTGGTTTAATAACGCTTTCGCAAATCGCAAGG** GTGATTAGCTCAGTTGGTAGAGTGTCTGCCTTACAAGCAGAATGTCGGCGGTTCGACTCC GTCATCACCCACCAAGTTTTCTTTCATTGTTGCAAACAATGGATGCGCGGTGGTAGCTCA GTTGGTTAGAGTACCGGCCTGTCACGCCGGGGTCGCGGGTTCGAGCCCCGTCCGCCGC CCAAGTTTCAAAATACTGACTCTGTCGGTATTTTTTATACACGGGTGATTAGCTCAGTTG TTTTCTTTCATTGTTGCAAACAATGGATGCGCGGTGGTAGCTCAGTTGGTTAGAGTACCG GCCTGTCACGCCGGGGTCGCGGGTTCGAGCCCCGTCCGCCGCGCCAAAAGTTAAGGAAT TTGCCATTCCCATCCGGTTTTGCGCTGTACGATGTGTTTTAGCGCGGACTTGCTCAAAAT CGCATGTGATTCCGGTATTTGAGGCTTTGATTAGGGATGCGGACTTTCAATATATTTTCT CAGCTACAACAACGAAGGCTTGATGTCTGTCGGGCAGGTAAGGGAGATTTTTGAGCGTTT CGGCAAATATAATTTGGTTCAAACGGAATACCGGCGTTTTAAGGCAGATAAGACAGAAAA CCGTAATCATAAGGCAAATTCGATATTCGAATTTCTGCATATTTTAGAAAAGACCTTTTA TAGTGGATTAACAAAAACCAGTACAGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCT CTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCG TCGCCTTGTCCTGATTTTTGTTAATCCACTATAAAAATTCTTGCCGGATGCTGCAAACAA CGCCGGTTTGCATTCCTGATGGCGGTGGTTTTCTTAGACGAACGCCCGAACACGCAGGAA TGGATAGGCTTGGGGCTGGTTACGGCGGGCGTGTTGACGCTGGCACTGAAACGGTAAAGC CGCAAGAAATAAATGAAATGCCGTCTAAAAAACTGTTTTCAGACGGCATTTTCGTTTCTG TCCATCCTCAGCACTCGACCACGCGCACGGATACGGGGACGGCTTTTTTCCGGAGCGTGG GCATGGTTCGGATGACTTCGTCGAGCGAGACTTTTTTGTCCGTGCCGTCTTCCAAAAGCG CGAGCGTGCCGAGTTTGAGGGCTTTTTCGGCGGCGATGCCGTTGCGCTCGATGCAGGGGA TTTGCACCAGTCCGCCGACGGGGTCGCAAGTCAGCCCCAAATGGTGTTCCATCGCCATTT CCATCGAACACGCTACGCCGACTTCGCCCTGACAGCCGACATCCGCACCGGAAATGGAGG CGTTGGTCTTGTAGAGGATGCCGATTGCGCCTGCGGTGAGCAGGAAGTTTTCGACGCGTT CCTGTGTGGCGTGCGGATTGAACTTGCGGAAATAGTGCAATACGGCGGGAATGATGCCTG CCGCGCCGTTGGTCGGTGCGGTAACGACGCGTCCGCCGGCGGCGTTTTCTTCGTTGACCG CCATGGCGTACACCATCGGCCAGAGCTGGGTGTTGACGATTTCGGTTTCGCGCAGGACTT TGAGCTTGGCGGCAAGCTGCGGGGGCGCGGCGGCGGACGTTCAATCCGCTGGGCAGTTCGC CGTCCGCACCCAAGCCGCGTTTGATGCAGCCTTCCATAACCTCGGCAACGGCAGCGGCGC GGCGGCGGATTTCGGCTTCGCCGCATCCGGCAAGCGCGGCTTCGTTTGCCAACACGACTT CGGAGATGTCGAGCCGGTTCAGACGGCATCGGGCAAGCAGTTCGGCGCAACTGGTATAGG GATAGGGAACGCCTTTTCCGTTTCCGCCTGCCGGTCAAAATCTTCTTCGGTAACGACAA AGCCGCCGCCGACCGAATAATAAACCTGTTCATTCAATACCGTGCCGTCTGAAGCATAGG CGGTAAAACGCAGGCTGTTGGGGTGTTTGGGCAGCACTTGATTGCCGAGTATGTTCAGGT TGCGTTCGAGGCGTTCGGGAATGCCGGCAAGCGGGATGTCGTGCGGCAGGCTGCCTTCCA AAATGTCGATGACGATGCGAACAGCCTGTGCATCCAAACCTGCCGCAAAGGCGGCGGCTG CCTTCATCGGGCCGACCGTATGCGAACTGGAAGGCCCGATACCGATTTTGAAAATATCGA AAATGCTGATCATATTTTGCTCCGACGGTTTTTCAGACGGCACAGGTTCCGTTTGACCAA CCAAAAAGGAGACGCGGCACGATGCCCGTCTCCTTTTTTAAAACGGCACTTATGCGTCGA CCATCAGCGTAACGAACACTTCGTCGGCGGCAATGGCATCTTCGATGCGCACTTTCAACA GGCGGCGCACGGCGGATCCATCGTGGTTTCCCACAGCTGCTCGGGGTTCATCTCGCCCA AGCCTTTGTATCGTTGGATGGACATACCTTTTTGGGCAACGCTCATCAAGATGTCCAAAG CGGTTTCAAAGCTGTCCGCGTCGTACCCGTTTTCGCCTTTGTAAAGCTTGGCACCCTCGC CGACCATGCCTTTGAGCGCGGCGGCGGTTTGGGTGAGGGTTTGGTAGGCTTTGCTGTTGA GGAACTTGGGTTCGATGTAGCTGACCATGACGTTGCCGTGCAGCTTGCGCGTGATTTTGA TGAACCGGTGTCCTTCATGACCTTCGATGCGTTCGAGGGCGACTTCTTTTTCGTCAAGCA GACCGGAAAGTTCGGCAACGGCTTTATCGGCGTTTTCAGACGACGTCAAATCAATGGGCG ACGCGTGTAGCATGGCGCGCAGGACGAGTTCGTCTACGAAGCGGCTTTCCTGTTCGATGA CGGTTTTTGCCAACAGGAATTGTTTGGCGGTGTCGGCAAGTTCTGCGCCTTCGATGGTGC GGCCGTCTGAAATGATTTTGGCTTTTTCCAAGGCAAGACCGAGCAGCCATTGGTCTTTTT CCAACTCGTCCTTGAGGTAACGTTCCTGTTTGCCGTATTTCGCTTTATACAAAGGCGGCT GGGCGATATAGATGTAGCCGCGCTCGACCAGCTCGGGCATTTGGCGGTAGAAGAAGGTCA GGAGCAGGGTGCGGATGTGCGCCGCCGTCCACGTCGGCATCGGTCATGATGATGATGCGGT GGTAACGCAGTTTTCGGCATTGAATTCTTCTTTGCCGATGCCCGCGCCCAAAGCGGTAA TCAGCGTGGCGACTTCTTGGCTGGCCAGCATTTTTTCAAAACGTGCTTTTTCGACGTTCA AAATTTTACCTTTGAGCGGCAAAATCGCTTGGAATTTGCGGTCGCGGCCTTGCATGGCGG AACCGCCTGCGGAGTCGCCCTCGACGAGGGTAGAGTTCGGACAGGGCAGGGTCTTTTCTT GGCAGTCGGCGAGTTTGCCGGGCAGTCCCAAGCCGTCCATCACGCCTTTGCGGCGGGTGA

Appendix A

TTTCGCGTGCTTTGCGGGCGGCTTCGCGCGCGCGGGCGCATCGACGATTTTGCCGGTGA TGATTTTGGCTTCGGATTTTCTTCGAGGAAGTCGGTCAGGGCTTGGCTGATGACTT CGTTGACAACGGGCCGATTTCGCCGGAAACCAGTTTGTCTTTGGTTTGGGACGAGAATT TGGGGTCGGGCAGTTTGACGGACAACACGCAGGTCAAACCCTCGCGCATATCGTCGCCTG ${\tt CGGTTTCCACTTTGGCGTTTTTTGGCGACTTCGTTGGCTTCGATATAGTTGTTGATGGTGC}$ GGGTCATCACTTGGCGCAGTGCGGTCAGGTGAGTACCGCCATCACGTTGCGGGATGTTGT TGGTGAAACACTGCACGCTTTCTTGATAGCTGTCATTCCATTGCATCGCGCATTCGACGC TCATGCCGTCTTTTTCGCCGAACGCGTAGAAGATTTTTTCGTGCAACGGCGTTTTTTTGC GGTTCATGTATTGCACGAAACCCGCCACGCCGCGGAAAGGGCGAAGCTTTCGTGTTTGC TGCGTTTGGCAAGGATGTCGAAGCTGTATTCGACGTTGCCGAAGGTTTCCGTACTGGCGA GGAAGCGCACGGTCGTGCCTTTTTTATCGGAATCGCCGACAATTTTCAGCGGCTCTTCGG TTTCGCCGCGCACGAAGCGGACGAAGTGTTCTTTGCCGTCGCGGTAGATGGTCAGCGTTA CCCAGTCGGACAGCGCGTTGACGACGGCACACGCCCACGCCGTGCAGGCCGCCGGAGATTT TGTAGCTGTTGTTGTCGAATTTACCGCCCGCGTGCAATACGGTCATGATGACTTCGGCGG CGGAGCGTCCTTCTTTCGGGTGGATGCCGGTGGGCATACCGCGCCCGTTGTCGGCGACGC TGACGGAATGGTCGGCGTGTATCGTTACCGTGATTTTGTCGCAATGTCCGGCGAGTGCTT CGTCAATGGCGTTGTCCAATACTTCGAACACCATGTGGTGCAGACCGCTGCCGTCCTGCG TGTCGCCGATGTACATGCCGGGGCGTTTGCGTACCGCTTCCAAGCCTTCGAGCACCTGAA TGCTGTCGGCGCCGTATTCTTCGTGTTTTTGTTCAGTCATATTTTTTGCCGGATTTTGAA ATATATATTGTGTATTATAGCCGATTTTGCCGCCTAATTCAGCGTTATCCGCATCAGTG TGCCGCCGGGAAAAGATGAAACGGTACGTTTGCCTCCGGCATCAGGTCGGGGATTGTCCC GTAAAGTGGCAAAAGCGTTTTTTTGCCACTAAAATCTACACCCTATACTTTTCGGACAGG GGCGCGGAAATGGAAATATGGAATATGTTGGACACTTGGCTCGGTGCCGTCCCGATACGT GTTGCCAGCCGCAATATAACGCTGCTTTTGGTGCTGTTTTCGCTGGCATTTATCTGGTCG GCGCAAATCCAAACGCTGGCTTTGTCGATGTTTGCGGTGGCGGCGGCGGTCGTCGTGGCG ACGAAGGAACTGATTATGTGTCTGTCGGGCAGTATTTTAAGGTCTGCCACCCAGCAATAC TCGGTCGGCGACTATATCGAAATCAACGGCCTGCGCGGGGCGCGTGGTCGACATCAACCTG TTGAACACGCTGATGATGCAGGTCGGTCCGAACCCCTTGGTCGGACAGCTTGCGGGAACC ACCGTTTCTTTCCCCAACAGCCTGTTGTTGAGCCACCCCGTGCGCCGCGACAATATTTTG GCCGTATGCCGTCTGAAAGCCGTACTCGAGCCCTTGTGCGCGCCCTACATCCCCGCCATC CGCGTTACCCGCGTGCCGTACGATGACAAGGCATACCGCATCATCGTCCGCTTCGCTTCC CCCGTTTCAAAGCGGCTGGAAATCCAACAGGCGGTTATGGACGAATTTTTGCGCGTACAA ACCCATCTTATGACTGACAACGCACTGCTCCATTTGGGCGAAGAACCCCGTTTTGATCAA ATCAAAACCGAAGACATCAAACCCGCCCTGCAAACCGCCATCGCCGAAGCGCGCGAACAA ATCGCCGCCATCAAAGCCCAAACGCACACCGGCTGGGCAAACACTGTCGAACCCCTGACC GGCATCACCGAACGCGTCGGCAGGATTTGGGGCGTGGTGTCGCACCTCAACTCCGTCGCC GACACGCCCGAACTGCGCGCCGTCTATAACGAACTGATGCCCGAAATCACCGTCTTCTTC ACCGAAATCGGACAAGACATCGAGCTGTACAACCGCTTCAAAACCATCAAAAATTCCCCC GAATTCGACACCCTCTCCCCCGCACAAAAAACCAAACTCAACCACGATCTGCGCGATTTC GGCATTTACTTTGACGATGCCGCACCGCTTGCCGGCATTCCCGAAGACGCGCTCGCCATG TTTGCCGCCGCGCGCAAAGCGAAAGCAAAACAGGCTACAAAATCGGCTTGCAGATTCCA CACTACCTCGCCGTCATCCAATACGCCGACAACCGCGAACTGCGCGAACAAATCTACCGC GCCTACGTTACCCGCGCCAGCGAACTTTCAGACGACGGCAAATTCGACAACACCGCCAAC ATCGACCGCACGCTCGCAAACGCCCTGCAAACCGCCAAACTGCTCGGCTTCAAAAACTAC GCCGAATTGTCGCTGGCAACCAAAATGGCGGACACGCCCGAACAAGTTTTAAACTTCCTG CACGACCTCGCCGCGCGCCAAACCCTACGCCGAAAAAGACCTCGCCGAAGTCAAAGCC TTCGCCCGCGAAAGCCTGAACCTCGCCGATTTGCAACCGTGGGACTTGGGCTACGCCAGC GAAAAACTGCGCGAAGCCAAATACGCGTTCAGCGAAACCGAAGTCAAAAAATACTTCCCC GTCGGCAAAGTATTAAACGGACTGTTCGCCCAAATCAAAAAACTCTACGGCATCGGATTT ACCGAAAAACCGTCCCCGTCTGGCACAAAGACGTGCGCTATTTTGAATTGCAACAAAAC GCGTGGATGAACGACTACAAAGGCCGCCGCCGTTTTTCAGACGGCACGCTGCAACTGCCC ACCGCCTACCTCGTCTGCAACTTCGCCCCACCCGTCGGCGGCAGGGAAGCCCGCCTGAGC CACGACGAAATCCTCATCCTCTTCCACGAAACCGGACACGGGCTGCACCACCTGCTTACC CAAGTGGACGAACTGGGCGTATCCGGCATCAACGGCGTAGAATGGGACGCGGTCGAACTG CCCAGCCAGTTTATGGAAAATTTCGTTTGGGAATACAATGTCTTGGCACAAATGTCAGCC CACGAAGAAACCGGCGTTCCCCTGCCGAAAGAACTCTTCGACAAAATGCTCGCCGCCAAA **AACTTCCAACGCGGCATGTTCCTCGTCCGGCAAATGGAGTTCGCCCTCTTTGATATGATG** ATTTACAGCGAAGACGACGAAGGCCGTCTGAAAAACTGGCAACAGGTTTTAGACAGCGTG CGCAAAAAAGTCGCCGTCATCCAGCCGCCCGAATACAACCGCTTCGCCTTGAGCTTCGGC CACATCTTCGCAGGCGGCTATTCCGCAGGCTATTACAGCTACGCGTGGGCGGAAGTATTG AGCGCGGACGCATACGCCGCCTTTGAAGAAAGCGACGATGTCGCCGCCACAGGCAAACGC TTTTGGCAGGAAATCCTCGCCGTCGGCGGATCGCGCAGCGCGGCAGAATCCTTCAAAGCC TTCCGCGGCCGCGAACCGAGCATAGACGCACTCTTGCGCCACAGCGGTTTCGACAACGCG GTCTGACGGCAGGGTTGAAGTAAAAAATATGGCGGATTCGATAGAAAAACATCCGCACCG TCATTCCCGCGCAGGCGGAATCCAGACCGGTCGGTGCAGAAACTTATCGGGAAAAACGG TTTCTTTAGATTTTACGTTCTAGATTCCCACTTTCGTGGGAATGACGCGGAAAAGTTGCT GTGATTCCGGATAAATTTTCGCAACGTTTAATTTCCGTTTTACCCGATAAATGCCCGCAA TCTCAAATCCCGTCATTCCCCAAAAACAAAAAATCAAAAACAGAAATCCCATCATTCCC GCGCAGGCGGAATCCAGGTCTGTCGGTGCGGAAACTTATCGGATAAAACGGTTTCTTTA GATTTTACGTTCTAGATTCCCGCTTTCGCGGGAATGACGGAATATTTTTGAATTTGATAA AAATGCCGTCTGAAACGGTCAAACAACGCTTCAGACGGCATTTTATAGTGGATTAACAAA **AATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGG** TGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCCAAGGCGAGGCAACGACGTACTGGT TTTTGTTAATCCACTATATTTTCCGACATCATTGAATCAAACCCAAATGCGACAAGAGCG TCCATGTGCCGATGGCAATCAACACCAAACCTCCGGCAAATTCCGCACACCTGCCGAACA ATACGCCCAAAGCCCTTCCCGCCGTCAGCCCGACCGCCACCATCACCGTCGTCGCCATAC CGATGATTGCGGCGGCAAAGGCGATGTTTACCTCCATAAACGCCAAGCCCACCCCGACTA TCATGGAATCAATACTGGTTCCAAAAGCAGTCAAAACCGTCATCCATAGGCTTTCCCGTT TGCTTTCGCGCACATCTTCCGCCTCGCCGGACAGCCCTTCGCGCATCATTTTCAGACCCA GCCCGCCCAGCAGGACGAAAGCCACCCAATGGTCCCATTCGCTGATAAACGGCTTGGCAT AAAAACCGCCTACCCAGCCTGCCAGCGGCGTGAGCGCTTCAACCGTGCCGAACACCAAAG CCGTTGCCGCAATTTTGCGCGGAGGCATTCTGACCGCCGCACCCTTTGCCAATGCGACGG CAAACGCATCCATCGACATCCCCAGAGCAATCAAGAGCAAAGCATAAAAACCCATACCGC **ACCCGTCCTCAAAAAGGGCGGATTATAGCAAAAGCAAAAAAATGCAAAAATGCCGCACGA** AAACCCGCATCCCGTCATTCCCGCAAAAACAAAAAATCAAAAACAGAAATCCCGTCATTC CCGCGCAGGCGGAATCCAGAGTTGTCGGTGCGGAAACTTATCGGATAAAACGGTTTCTC CAACCCCGAGTCCTTGATTCCCACTTTCGTGGGAATGACGGGATATTTTGCGTTTAATAA TGTTTCAGACGGCATTTTTATGCCCGGTTATTTCCGATAGCGGACGGCGCGGGACAGGAT TTCTTCAATTCCATCCACATAATGCCCCCTTACAGCAAACCAGCCTGACCCAGTGCGGG ATCGGTCGCGGGGGGGCTTGGGCATCTTCGACAGTCAAGGGCTTTGGCCACGCC TTCGCCGTATGCCGGGTCGCAACGGTAGCAGTTGCGGATATGGCGGTATTTGATGAAGTC GGGCGCGTCGCCCATTGCGGCGGCGGTGTTGCCGAACAATGCCTGTTTCTGCGCGTCGTT CATCAGGTTGAACAGGGCGCGCGGTTGGCTGAAATAGTCGTCATCGTCTTGGCGGTAGTC CCAGTGTGCCGCGTCGCCGTTGATTTTCAAAGGCGGTTCGGCGAAGTCGGGTTGTTGCTG CCATTGGCCGAAGCTGTTGGGTTCGTAGTGCGGCAGGCTGCCGTAGTTGCCGTCGGCGCG GCCTTGCCCGTCGCGCTGGTTGCTGTGAACAGGGCAACGCGGACGATTGACGGGAATTTG GCGGAAGTTTACGCCCAAACGGTAGCGTTGTGCGTCGGCGTAATTGAACAAACGCGCTTG CAGCATTTTATCTGGGCTGGCGCCGACACCGGGAACGAGGTTGCTCGGTGCGAAGGCGGA TTGTTCCACATCGGCGAAGAAGTTTTCGGGATTGCGGTTCAACTCGAATTCGCCCACTTC **AATCAGCGGATAGTCTTTTTTCGGCCAAACTTTGGTCAAGTCAAACGGATGATAAGGTAC** TTTTTCCGCGTCTGCTTCAGGCATGACTTGGATGTACATCGTCCATTTCGGAAACTCGCC GCGTTCGATGGCTTCGTATAAGTCGCGCTGATGGCTTTCGCGGTCGTCGGCGATGATTTT GGCGGCTTCTTCGTTGGTCAGGTTTTTAATGCCTTGTTGGGTGCGGAAATGGAATTTCAC CCAAAAACGCTCGCCTGCTTCGTTCCAGAAGCTGTAGGTATGCGAACCGAAGCCGTGCAT ATGGCGGTAGCCGGGGGATGCCGCGGTCGCTCATCACGATGGTAACTTGGTGCAGTGC TTCGGGCAGCAGCGTCCAGAAGTCCCAGTTGTTTGTGGCAGAGCGCATATTGGTGCGCGG GTCGCGTTTGACGGCTTTGTTCAGGTCGGGGAACTTACGCGGGTCGCGCAGGAAGAACAC GGGCGTGTTGTTGCCGACCACATCCCAGTTGCCTTCTTCGGTATAAAATTTCAAGGCAAA ACCGCGGATGTCGCGTTCTGCATCGGCTGCGCCGCGTTCGCCTGCCACGGTGGTGAAACG GGCGAACATCTCGGTTTTTTTGCCGACTTCGCTGAAGATTTTGGCGCGGGTGTATTTGGT GATGTCGTGCGTTACGGTAAACGTACCGAACGCGCCCGAACCTTTGGCGTGCATACGGCG CAGCAGAGGGCCGCGAGGACCGGCGGTCAGGCTGTTTTGATTGTCGGCAACAGGCGCGCC GTTGTTCATGGTCAGATGGGTTACAGGGCATTTGGAGGTAGTCATCGCTCTTGTTCCTTT TCTCAGGTTGGTCAAATGGGGGTAAACGGCTTACAGTACGATTTGGCGGAAAGCGTATTC GTAACCGGTTTCTTGATTGCAATAAATTTCTTGAATCGACATTTTATTTCCCTTTTGTAA AAACTATGGATGCGACTATACGCCAAGATTTTCGCTATTAAAACTATGAAATCGATTTAA TATTATTATAAGCAATCGGTTCTTGATTTTCGTTTGTTTTTTTGTTATCGAACGGAATCCG **AACCCGCTCATTAAAACCATTTATAATGCAATGACGCTTTGCGGCATTTTTTTGCGCCGAC** AGGCTGAAAATAACAATTTTCCCCACATTATCATGACCTTACTCGGAATAAAGCTCAAAC AGACCCAGCAGCTCAACCAGCGGCTGCAACAATCTTTGCGCGTATTGCAGATGTCGGGTA TCGAACTTGAACGCGAGGTCGAAAACTGGCTGTCGGACACCCCCTGCTCGAACGCAAAG ACACGGATGAATTTTCCGATGCCGAGTTCAGCCATTACACTGCGCCTGCCCGTCAAATCG GCGGAGACGAAGGCGAAGATATGCTGTCCAACATCGCCGGCGAGCAGGATTTCAAGCAAT ACCTGCACGCGCAAGTATGCGAACACCCGCTTTCCGACCAAGAAGCCGCCTGTGTCCACA TCCTTATCGATTTCCTTGACGAGCAGGGTTATCTGACCGACAGCATCGAAGACATCCTCG ACCATACGCCCTTAGAGTGGATGTTGGATGAAGCAATGCTGCAACACGCGCTGACCGCAT TGAAAAATTCGACCCGGCAGGCGTGGCCGCCGCCGATTTGAACGAATCGCTGATACTGC AGATAGAAAGATTGGGCGAATGTGCTGCCAAACCCGCCGCCCTGCATATCGTCCGAAACG CCCTCGACAGCATTGACGGCAACCGCAGCCAAACCCTCGCACGAATAAAAAAACACCTGC CCCAAACCGACAGCGGCACACTCGAAGCCGCACTCGACCTCATTGCTTCGCTCAATCCCT TTCCCGCCGCCGGTTTTGCCTCGTCCACGCCCACGCCGTATTCTGACGAGGCGCTCGCCA ACCTGCTGGCTTTCCGCGGCATGGAGGTTTCTCGCCGCACCATTGCCAAATACAGAGAAT CCTTTGAGATTCCGGCAGCACACACGCAAAACGCAGAATAATTGCCGAATAATCTTA GCGGAAACCTGCATCCCGTCATTCCCGCGAAAGAGGGAATCTAGAAACGCAAAGCTGCAA GAGTTTATCGGAAATGACCGAAACTCAACGAACCTGGATTCCCGGTTTCGCGGGAATGAC GGGGGTTTGGCGGGAATGACGAGGGTTTGGGATTTCTGTTTTTGAATTTCTGTTTTTTGTG

Appendix A

AGAATGGCAAGATTTTCGGTTCTTGTATGGATAACGAGATTTTAGATGGCGGGAATTTGT CGGGAAAACAGCAATCTGAGACCTTTGCAAAAATAATCTGTTAACGAAATTTGACGCATA AAAATGCGCCAAAAATTTTCAATTGCCTAAAACCTTCCTAATATTGAGCAAAAAGTAGG AGAAATCAGAAAAGTTTTGCATTTTGAAAATGAGATTGAGCATAAAATTTTAGTAACCTA TGTTATTGCAAAGGTCTCAATCTTTACCGTCATTCCCACGAAAGTGGGAATCTAGAAACG CAAAGTTGCAAGAATTTATCGGAAATGACCGAAACTCAACGAACCTGGATTCCCGCTTTC GCGGGAATGACGAGGGTTTGGGATTTCTGTTTTTGAATTTCTGTTTTTTGTGAGAATGGCA **AGATTTTCGGTTCTTGTATGGATAACGAGATTTTAGATGGCGGGAATTTGTCAGGAAAAC** AGCAACCCTCCGCCGTCATTCCCACGAAAGTGGGAATCTAGAAACGCAAAGTTGCAAGAA TTTATCGGAAATGACCGAAACTAAACGAACCTGAATTCCCGCTTTCGAGGGAATGACGGG GGTGTGGCGGGAATGACGGGGGTTTATCAGAAATGACCGAAACTCAAAAGCGGGCAGCCT TGTTTACGCCTTCAAAATATCGAGCAATTTCAAATCGACTTTTTCGGCATCGAATTTATC TTTGGCAATCGCATAACTTGCATTCCCCATCAGGCGGACGGCTTCCCTGTTTTCGATAAA ATAAATCATTTTTTCGGCCAAGATGCGGGGATTCCAAGGCTCGATCAGGAAGCCGTTGAC $\tt CTTGTCGGCGACCGTTTCCCTGCATCCGGGGACATCCGTCGTAATCACTGCCCTGCCGAC$ GGCCATTGCCTCCTGAGTGCTTCGGGGAACGCCTTCCCTATAATAAGACGGCAATACGAA TATATGATGTTCTTTATCACTTCGGAAACATTGTTCACAAAACCGGGGAAACGGATAAT ATCGCGGGCGGCAAGCCGTTCCAAATCGCCCCCCCCCCGCGTGATTTGTCGATTGCGCC CAAAGCGGTAAAAACCGTATCGGGGTATTTGTCCTTAACCTGTTCCGCCGCCCGAATAAA ATCATCAATCCCCTTTTCTTTCAGAAATCTGCCGATAAAGAGGAATTTTACGGGTTCTTT TTCATCGGGAATATCCGCCTCGGAATAAGGATATTGCCGCAAATCCAGACCGATTCCGCC CAAAATATGGATGTTTTTTTTTTTGATGCCGTATTTGTCCGTCAGTTCGTCTTTGTCGTC GGGGTTTAATACAATCAGGCTTTCCAACATCGGCAGGCCAATGCGGTATAAGGCAATCAA AATCCCCTTTATGATTTTTGTTTTTAACGGTATGCCTTCCGGCTGCGGGGTAAATGCGAA TCCCAAACCTTCCAGCATCCCGACGATTCTGGGCACGCCTGCCAGTTTTGCGGCAAAAGT GCCGAAAATCACGGGTTTTGCGAAATAAGGGAAAACCAAATCCGGCGATATTTTTTTGAG TTCTTTAAAGATGAGGAAGGTGGATTTTATATCCGAAAACGGGTTCAGCCCGCTGCGGTT TGAACGGTAGGTAACGGGTGTAACCCCCATTTCCCTGATAATATCCAATTCATTGTCGGA **AAACTCCGATACAAAGGCATACACCTGATGGTTTTTTGCCGATTAATTTTTTAATGACGGG** GGCGCGGAAACCGTAAATGCTGGATGCGACTGTTGTGATAAAAACGATTTTCATAAGGCG GACACCTTGAATATGGATTGGAAATGCGGTCTGCTACGGCAGGGTTTCATCCTGTAACCC AGCAAGGCTTGGGTTTGCCTGCGTATTATAGTGGATTAACAAAAACCGGTACGGCGTTGC CCCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTC CGTACTATTTGTACTGTCTGCGGCTCGCCGCCTTGTCCTGATTTTTGTTAATCACTATAA AAATGCCGTCTGAAACGGTTTCAGACGGCATTTCGATGTCGGCGGCGGCTTTGCGGAATC AGCCTTTGAAGCGTTTGAAGACCAGCGTGCCGTTGGTGCCGCCGAAGCCGAAGGAGTTGG AAATGGCAACGTCGATTTCCGCGTCGCGCGCTTCGTTGGCGCAGTAGTCCAAATCGCAGC CGGCTTCAACGTCTTGTTCAAAAATGTTGATGGTCGGCGGGATTTTGCCGTCGTGTATCG ATTTGGTCGAGCTGACGACGGTTTTGTAGGCGTGTTCGCCGAACGCGCGTTTGAGGGCTT TGGTTTCGTTGGCATCGCCCAAGGGGGTGGACGTGCCGTGCGCGTTGACGTAATCCACGT CGTTCGGCGCGGTGATATGGTAAGCATCGGAACTCATGCCGAAGCCGACGATTTCGGCGT AGATTTTCGCGCCGCGTTTTTTGGCGTGTTCCAATTCTTCCAACACCAATATGCCCGCGC CGTCGTTGCGGGTGGAGAGGGCTTTCATCGCGGCAAAACCGCCCACGCCCAAAGTGCTGA TTGCGCCTTCCGCGCCGCCGCAACCATTATGTCCGCGTCGCCGTATTTAATCATACGGA GGGAATCGCCGATGGCGTGCGCGCGGTGGTGCAGGCGGAAACCATCCCGTAGCTCGGGC CGCGGTAGCCTTTGAGGATGGTAACGTGTCCGGAAATCAGATTAATCAGAGAACCGGGGA TAAAGAAAGGGTTGATTTTGCGCGCGCCGCCTTCGATTACGGCTTTGCCGGTGACCTCGA TGCCGGGCAGTCCGCCGATGCCGGAACCGATGTTCACGCCGATGCGGTCTTTGTCGAGGT TTTCCACATCGTCCAAACCCGAATCGGCGATTGCCTGCAATGCGGCGGCAATGCCGTAGT GGATGAATACGTCCATCCGGCGCGCTTCTTTCGCGCTGATGTATTGTCCGATGTCGAAAC CGCGCACCTCGCCGGCGACACGGCTGTTGATGTCGGATGTGTCAAAGCGGGTAATCGCGC CGATGCCGCTTTTGCCGGTGAGCAGGGTGTCCCAAGCCTCTGCGACAGTGTTGCCGACAG GGGAAACCTGACCTAAGCCTGTAATGACTACTCTTCTCTGACTCATGATAACCTCGCTGT TGGTTGTCGGAATGGGGGCATATGCGGCTGTCGTGCAGATGCCGTCTGTAATTTGCGGCA GGGGTTCAAACAGTTTGCCATATAAGGGAAAAGCCTCTATTGCGCGGTGCAGCAGAGGCT GTTGTGTCGGGCGACGACCGGTTAGCCGTTGTGGGCATTGATGTAGTCGATAGCCAGTTG GACGGTGGTGATTTTTTCGGCATCTTCGTCGGGGATTTCGCAGCCGAATGCTTCTTCCAA TTCGTTTTTCACGTCGGCTTCGTTTACGCCCAGTTGTTCAGCAACAATTTTTTTAACTTG TTGTTCGATGTTTGACATATCAGTCGTTCCTTTATGCCTTGCGGCAGGTTGTTTAAGGGA CAATATTTGCCGATTTGTACATTTTTGGGTGCGGCGGGTTTTGTCGTTCAAGTTTGACCT GTGTGCCGTATGTTTGGCGGGATTTCGGTTAAAATGGCGGCATTTCCATCTGAAGCAGAA AGCCCTGTCATGTATCCACTTGCCCGTCGCATCCTGTTTGCACTCGATGCCGAAAAAGCC CACCACTTCACGCTCGACGCGCTCTACACGGTTTATAAATTGGGTTTGATTCCTGTAACC GACAACCGTACCAAACCTGTAAAATTGATGGGTATGGATTTGCCCAACCCTGTCGGACTT GCCGCCGGACTCGACAAAAACGGCGAATACATCGACGCATTGGGCGCGCTCGGCTTTGGT

TTCATCGAAATCGGCACGGTAACGCCCAACCCGCAGCCCGGCAACCCGCAGCCGCGCCTC
TTTCGCGTTCCCGAACACCAAGGCATCATCAACCGCATGGGTTTCAACAACCACGGTATC
GACACCATGATACGCAACATCGAAAAAAGTAAATTCAGTGGCGTATTGGGCATCAACATC
GGTAAAAACGCGGTTACACCCCATCGAAAACGCTGCCGATGATTATTTAATCTGCCTTGAA
AAAGCCTACGCACACCCAAGTTACATTACCGTCAATATTTCCTCGCCCAACACTAAAAAC

CTCCGCGCGCTGCAAGGTGGCGACGAGTTGAGCGCATTGCTTGAGGCTTTGAAAAACAAA CAGGCACAGCTTGCCTCTGTACACGGGAAATACGTCCCGCTCGCCGTCAAAATCGCCCCC GATTTGGATGAAGCACAAATCGAAGACATCGCCCACGTTGTCAAATCCGTCGAAATGGAC GGCATCATCGCTACCAATACCACCATCGACAAATCAAGTCTCGGCAGCCATCCGCTCGCA GGCGAGCAGGGCGGTTTGAGCGGGCTGCCCGTTCATGAAAAAAGTAATCGGGTGTTGAAG CTGTTGGCAGACCACATAGACGGCAAGCTGCCGATTATCGGCGTAGGCGGCATTATGGAA GGCGAGGACTCGGCAGATAAAATCCGCTTGGGCGCGACCGCCGTCCAAGTGTACAGCGGA TTGATATACAAAGGTCCGGCATTGGTCAAAGAATGTTTGAAGGCTTTGGCGCGATGACGC GATCCGCCCAAAATGCCGTCTGAACGCACGTTTTGCCGTTCAGACGGCATTTTCATTTCC TTTTTCCGCCTGACGCCCCTTGAAAATCCCTTACGCGCCCCCCTGTTTGAAATAAGGCAA ACCGATGCGTGAACACGGAGCAGCAATCGGAGTAAAAAATGAACCTTGATTTAACCGCG TGGGCTGATGTGGCAGCTTATGCCCGAAAAATGACGCTTTCAGATCATGATGAACGTGTG TTCAAACTATCTTTAATCAACAAATCCAATATTCTTGAATTAAAGCCTGTTCTGGAAGAT TTGGCTTCGGAAATGAGGGATTATTCCCCTAAAAATTGGCTGTACGTCCTCTTAAGCGAT GTATTCCATAGAAAAGAAGAATTTGAGGATCCTTTGGGGGAAGTTGAAAAAATTTATGCA GATTTGATTATCCGGAAGAAATAGAATCATTTGTCAGGTATATGCCGCCCAAAGACGGT TATATTCCTTCTGCCCACACCTATGAAGAAAATATTGCCCGGTTATATTCTCACTGGGAA CACTATTTGAACAACGGCGGAGGGCAGGGTTAAAACCGGCAATCCGATGCCGTCTGAAGC ATTATCCGGCCTTCAGACGGCATTTTGTTTTCCGACAGTTTATAAACTGTCGTTGTTTCT TGACAGAAACAACGACCTTATTTGAAACGATTGGAGGACATGATTATGGGTTTTTTGGAAT GGTGTGGCAAAAGCAGCAAAAGCAGTGGGAGAGGGAATGATTGAAGCCGGCAATGAGCAT AAGGCGTTGAAAATGGAATATGCGGAGAAATCAAGTGAGGAGCTGCATGAAATCGTCAAG AGTGATGGTTTTTTTAAAAATTCCACACGGGAGAAAAGTGCGGCTTATGCTATTTTAAAA GAGCGTGGCGAGGTGTGAACAGGAAACGGCGGCATTTGCCGCTGTTTTTTATTGGTAGGC ATCCGTCCGAATATCGGGGCAAGGTTTCAGACGACATCGAAGGTTGCTATGATATAGTGG CTTGACTTTAAACCGGTACGGCATCCCCTCGCCTTGTCCTGATTTAAAGTTAATCCACTA TCTCATTCCCGTCATCCTTCCAAACGGAATCCGAAATGTCCGACAACCGCCTCGACACCG CCCGCCGCCATTCCCTCCTCGCCCGCCAGCTCGACAACGGCAAACTCAAGCCCGAAA TATTCCTGCCTATGCTCGACAAGGTTTTGACCGAAGCGGATTTCCAAGCCTTTGCCGACT GGGGCGAAATCCGCGCGGAAGAAAACGAGGAAGAATTGGCGCGGCAGTTGCGCGAGTTGC GCCGTTATGTGGTGTCGCAGATTATCGTGCGCGATATCAACCGTATCAGCGATTTGAACG AAGTAACCCGCACGATTACGCTGTTTGCCGATTTTGCCGTCAATACCGCGCTGGATTTTG CCTACGCCTATTATCGGGACATGTACGGCACGCCGATCGGGCGTTATACCAAATCGCCGC AGCATTTGAGCGTGGTGGCGATGGGCAAGGCGGGCGGCTATGAGTTGAACGTGTCTTCCG ACATCGATTTGATTTTCGTCTATCCCGAATCAGGCGACACCGACGGCAGGCGCGAACGGG GCAATCAGGAATTTTTCACCAAAGTCGGGCAGAAACTGATTGCGCTGCTGAACGACATTA CCGCCGATGGGCAGGTGTTCCGCGTCGATATGCGGCTGCGGCCGGACGGCGATTCGGGCG CGTTGGTATTGAGCGAAACCGCGCTGGAGCAATATTTGATTACACAGGGGCGAGAATGGG AACGCTACGCGTGGTGCAAAGGTCGCGTGGTTACGCCGTATCCGAACGACATCAAAGCAC TGGTGCGCCCCTTTGTGTTCCGCAAATATCTGGATTACGGCGCGTATGAGGCGATGCGTA AGCTGCACCGCCAAATCAGCAGCGAAGTCAGCAAAAAAAGGCATGGCGGACAACATCAAAC TCGGCGGGGGGGCATCCGCGAAGTCGAATTTATCGCCCAGATTTTCCAGATGATACGCG GCGGACAAATGCGCGCGCTGCAACTGAAAGGCACGCAGGAAACGCTGAAGAAGCTTGCCG AGCTGGGCATCATGCTGTCTGAACACGTCGAAACCCTGCTTGCCGCCTACCGCTTCCTGC GCGATGTTGAACACCGCCTGCAATACTGGGATGACCAGCAAACCCAAACCCTGCCGACCT CGCCCGAACAGCGGCAACTGCTCGCCGAAAGCATGGGTTTCGACAGTTATTCCGCTTTTT CAGACGGTCTCAATGTTCATCGGAACAAAGTCAATCAGTTGTTCAACGAAATTTTGAGCG AACCCGAAGAGCAAACGCAAGACAACAGCGAATGGCAATGGGCATGGCAGGACAAACCCG ACGAAGAAGGGCGGCGATGCCGTCTGAAGGCGCACGGGTTCGATGCCGAAACCGTCGCCG CAAGGCTCGACCAAATCCGCCACGGCCATAAATACCGCCATCTTTCCGCACACGCCCAGC CGCGTTTCGATGCGGTTGTGCCGCTGTTCGTACAGGCGGCGGCAGCGCAAAGCAACCCGA CCGATACATTGATGCGGCTGTTGGATTTTCTCGAAAACATCAGCCGCCGATCCGCCTATC TCGCCTTCCTCAACGAACATCCGCAAACCTTGGCGCAACTGGCGCAGATTATGGGCCAAA GTTCTTGGGTGGCGGCGTATCTGAACAAATATCCGATTTTGTTGGACGAACTCATCAGCG CGCAGCTTTTGGATACCGCGTTTGATTGGCAGGCGCTCGCCGCCGCCCCTTTCAGACGACC TCAAAGCCTGCGGCGGCGATACTGAAGCGCAAATGGACACCCTGCGCCGCTTCCAGCACG CCGACCAACTCTCCGCCCTCGCCGACACCATCCTCGCCGCCCCCCCTGCTGTGCGCATGGG CGGACATGCCCAAAAAACACCGCGACACACCGCCAATTCGCCGTCGTCGGCTACGGCAAAC TCGGCGGTAAAGAACTCGGCTACGCCTCCGACCTCGACCTCGTCTATCTCTACGACGACC CCGCCGCCACTGGCGCAGGCAGCCTCTACGAAACCGACCTGCGCCTGCGCCCTAATGGCG ACGCCGGTTTCCTCGCCCACAGCATCGCCGCCTTTGAAAAATACCAGCGCGAAAACGCCT GGACGTGGGAACACCAATCCCTTACCCGCGCCCGCTTCATCTGCGGCACGTCCGAAATTC AGACGGCCTTCGACCGCATCCGCACCGAAATCCTCACCGCCGAACGCGACCAAACCGCCT GCAACGTCAAATACGCGCGCGGTGGCGTGGTCGATGTCGAATTTATCGTCCAATATCTGA TACTTGCCCATGCCCGCCAGTATCCGCAACTCTTGGACAACTACGGCAACATCGCCCTCT TAAACATCTCCGCCGACTGCGGTTTGATTGACAAAACCCTCGCCGGACAAAGCCGCACCG CCTATCGCTTCTACCGCCGGCAGCAGCACACCCAAACTGCGCGACGCGGCAAAAACCG AAGTAACCGGCGAACTGTTGGCACATTACGGCAATGTCAGGAAATTGTGGCGGGAAGTGT TCGGCGAAGAAGCGGCAACCGTCTGAACAAAAAATGCCGTCTGAAGCCTGACAATCTGGG TTTCAGACGGTATTTTCGTACCGTGCCGTTTTAAGGTTGCGGCAGAGCTAAAGCGATTTA TCGGGAATGGCTGAAACCCAAAAACCGGATTCCTCTTTCGCGGGAATGACGGGATTTCAG

TAAGAACCGTTTAAAACCCCGCCGTTTCCATTAAAATAGCGCATTCTACTTTTTAGACGG CCTTGGATTCGGATTTCAAGTGCAACACTAGTGTATTAGTGGTTGGAACAGATTCAAGAA TAAAACACTTGGCGTTTCGTAGCCAAGTGTTTTTCTTGGTCGGTGGTTCAACTCATCTTG CCGGATGAGTCCGTTGGTGTTCTCATTCAGCCCTTTCTCCCAAGAATGGTAAGGGCGACA AAAATAAGTCTCCGCTTTCAATGCTTTGGTTATTTTTGGTGTTGGTAGAACTCTTTGCC GTTATCCATGGTAATGGTGTGCACCCTGTCTTTATGTGCCTTTAATGCCCTAACAGCTGC CCGGGCAGTGTCTTCGGCTTTGAGGCTATCCAATTTGCAGATGATGGTGTAGCGGGTAAC GCGTTCGACCAAGGTCAATAATGCGCTTTTCTGTCCTTTGCCGACAATGGTGTCGGCTTC CCAATCGCCGATACGGGATTTCTGGTCGACGATAGCGGGTCGGTTTTCTATGCCGACACG GTTGGGTACTTTGCCTCTGGTCCATGTGCTGCCGTAGCGTTTGCGGTAGGGTTTGCTGCA TATTCTGAGATGTTGCCACAACGTGCTGCCGTTGCTTTTGTCTTGGCGAAGGTAGCGGTA AATGGTGCTGTGGTGGAGCGTGATCTGGTGGTGTTTGCACAGGTAGGCGCATACTTGTTC GGGACTGAGTTTGCGGCGGATAAGGGTGTCGATGTGCTGAATCAGCTGCGAATCGAGCTT ATAGGGTTGTCGCTTACGCTGTTTGATAGTCTGGCTTTGCCGCTGGGCTTTTTCGGCGCT GTATTGCTGCCCTTGGGTGCCGTCTGATTTCGCGGCTGATGGTGCTTTTGTGGCG GTTCAGCTGTTTGGCGATTTCGGTGACGGTGCAGTGCCGGGACAGGTATTGGATGTGGTA ATGCTACCGCATACTGGCCTTTTTCTGTTAGGGAAAGTTGCACTTCAAATGCGAATCCGC CGACCTCTTTCAGTTACAGCAGCTTGATCCCTTTCCCTTATCCAACGGGGGAAGGCTAGG ATAGGGTGGCTTGCAAATATACAGAACAAGGGACAAGAGCCACCCTCTCTCCAACCCTCT CCCTCCGTACGGGGGGGGGGGATTCTCGCGGGGGGAAGCCCACGCTACGGTTAGCCTTTA CCCCAGCACAAACAATTCCCGCCCGTGCGCCTTCAGCCAACTTTTAGCATTGTCGGTATG CGGCGTCAGCGTGTTCACCAAATGCCAAAAGCGCGGACTGTGGTCGGGGTGGCGGAGGTG GCAGAGTTCGTGGATGCAGACATAGTCGGCGACGTATTCGGGCGTGCCGATCAGCCGCCA GTTGAGGCGGATGCCGGTGTGCGGGCGGCATACGCCCCAAAAGGTTTTGGCGTTGCTCAG GTCTGTGGCGGTGGGCGTCAGTCCTGTTTCGGCTGCGTGTTTTTCAAGGCGGGCAGCAG GTATTCGCGGGCGCTTCGTTCAACAGGCGCGCAGGTGGTCGATTTGTGCGGCGGTTTC TTTTCGGGGAAGCAGGATTTCAGACGACGTGATACGGATATGGCTTTGGCTGTGGGTATC TGCTAACGCGTGGTCTTGAAAAAAGGGTGGGACGTTGATGCTGACCGTCTGCATATTGAC GGGGCGCAGAATCAGATTTTTCTTGGCACTGCGTTTGAGTTCGATTTCGATGCACAAACC GTCGGAAAGAGTATAGGTGAAGCGTTTCATAGTTGTGAATAGGTTTCAGACCGGATACAT CGTCTGAAACAGGAATTTTCCATATCAGGCGGCAAACTTCGGATAATATACAAAATCAAA CATCTGCGCTACAAGGTTCAGCCGAACAAGCCGCCGATATATTTGCTGATGGTGATGGCG CTGAGTACTGCCATCAAACCGACCACAATCACGCCGGAAACGGTGAGCCACAGCGGGTGT TTGTAGTCGCCGACAATTTTGGTTTTGTAGGCGGCAATCAGAATCAGACCGAGGGAAATC GGTAAAATCAGGCCGTTTAATGCGCCTACGAACACCAGCACCTGCGCCGGTTTGCCGATG GTGGAAAATACGGCGGTGGACACGGCGATAAAGGCAATAATCCATTTGTTTTTATTGCGT TCGATAGACGGCTGAGACCGGAGAAGAACGACACCGAAGTATAAGCCGCACCAATCACC GAAGTAATCGAAGCCGCCCAAATCACCACGCCGAAAATCAGCAGGCCGATGTATCCCGCC GCATATTCAAACGGTGTGGAAGCAGGGTTGTCGGGATTGAGCTGTACGCCTTGGCTGACC ACGCCCAAAACCGCCAAAAACAATACAATCCGCATAATCGAGGCAATCAGGATCGCCCGC ACCGAGCTTTGGCTCACTTCCGGCAACGCCGATTTGCCTTTGATACCTGCGTCCAGCAGA CGGTGCGCACCGGCGAAGGTGATGTAGCCGCCGACCGTGCCGCCCACCAGTGTAACAATC GCCATTGCATCGAGTTTTTCCGGCATAAAGGTATGCACGGCGGCATCTGCCAGCGGCGGA TTCGCCTGCCATGCCACATAAACCGTCAGCGCAATCATTACGAAACCCATCACTTGGGCG AATTTGTCCATCACTTTGCCTGCTTCTTTAAACAGAAACACCGATGGCAATCACGCCG CTGATCACGGCACCGGTTTCCGGTGACAGTCCGGTCAGCAGGTTCAGACCCAAGCCTGCG CCGCCGACGTTGCCAATATTGAACGCCAAACCGCCCATCACAATCAGCACAGCCAAGAAA TAGCCTGCGCCGGGCAAGACCTGATTGGCAATATCCTGCGCCTGTTTTTCGGAAACGGCC ACAATCCGCCAAATATTGAGCTGCGCCCCGATGTCGAGCAGAATCGAGAGCAGAATCACA AAGCCGAAACTTGCCGCCAGTGCTTGGGTGAAGGTGGCGGTTTGGGTCAGAAAGCCCGGG CCGATGGCGGAAGTCGCCATCAGGAATGCAGCGCCGATTAAGGCATTTCTGCGGTTTTTT TGATCAGACATAATCGCTTATCCTCTATAAAATTGGTTGTTGCTGTTTTGGGCGAAACC TGCGGTTTTAGCTACGCAGAAACTCGCTTTGCTCGTTTTGGCGAAACCTGCGGTTTTCAG CTTGCACGGCAACCAGGCTGCCGTCCACTGCTTTGACCTGCCCGTCCCGCACCATCTGCA CCAGCGTACCGTCGGGCATATAGCGGCGGTCGGCGAATACTTCGGAAATCACACCCAAGC CTGCGGCTTTCCGGCTTCCAAGAGCAGGCTGCCGGAAAGTGCCATCAATTTCAATTTCG GGTCGAAATCCGCCACAATTCGGGCAACGGTATCCGCCAGCGCACGGTTTTTCGCCGCTT GATTGTACATTGCGCCGTGCGGTTTGACATAAGCCATTTCCAAACCCTGATCACGGCACA AGGCCTGCAATGCGCCCAACTGGTAATTCAGACACGCCCGCAAATCGGCTTCGGACAGAT TCATTTCGGTACGGCCGAAGTTTTCCCGATCGGGATAGCCGGGGTGTGCTCCGATGCGCA CGCCGTTTTGTTGGGCATACGCCAATGCCGCCCGAATATCGGCAATGCTGCCGGCGTGTT GGGCGCAGGCGATGTTGGCCGAAGTAATCAGCTGCAACAAGGCTTCGTCGCTGCCGCAGC CTTCGGCGAGATCGGCGTTTAAATCAACCTGCTTCATGGGTGATTCTCCGTATTTGGTTC AGATAGGCTTGTTTTTGCGCCGCAGGGCGGTGGCTTCTTTCAAGCCGATTATTTTGAATT TGACTTTGCTGCCGAAGCGCACCTGTGCCAGCCTGCCCAAATCGGCGGCGGCAACGGTAG CGATTTTCGGATAACCGCCGGTGGTTTGCGCATCGGCCAGCAGGATAATCGGTTTGCCGC CGGGCGGCACCTGCACGGTTCCTGCCTGAACAGCGTGGGACAGCATTTCCAAAGGTTGCG

ACAGGGTCAGCGGCTGTCCGTCGAAGCGGTAGCCCATGCGGTTGCTATCGCTTTGCAGCG TCCACGTTTCCCGTTCCAGATTCAGACGCCCTTTTTCACTGAAAGCGGCATATTCCGACG AAGGAACAAGGTGGACGGTATCGGTAAACGGTATCGGGGCAATGCCGACTTTGGACAATT CCTGCGCACCTTTGCCGATGGGGAGATAATCGCCTTTTTGCAGCATTCTGCCCTGATGGC CGCCGAAACCGGCTTTCAGGTCGGTGCTTCTCGAACCCATCACTTCCGGCACATCAAATC GCCCTTTGCGGGCGGTATAACGCCAATACGAATAGACCGGTTCGCCGTCCAATTCCGCCT GATACACGGCACCGGTGAGACAAAACGGCGTATCCCGTTCAAACACCAGCATTATCCCGC CCAAAGCGATTTCGATTGCGGCCGTGCCTTCGTCGTTGCCCAATAAAATATTGCCCGCCG CCAAAGCAACCGTGTCCATCGCACCGGCATGACCGATGCCGTAACGCCGGTGTCCGTAGC GTCCGGTATCCTGAATATGCGCCGGTGCCTGCACTGCCGAAACGTGAATCATGGCTCAAT CCTTTCTGCAACAAAGCGGACTTGGTCACCCGCCGCCAGCAGGGTCGGCGGATTCAAATC GGCTCGGAACAAGGGTAATTCGGTTCTGCCGATAATCTGCCAGCCGCCGGGCGAAGCGAA CGGATACACCCGGTCTGACTGCCGCCGATACCGACCGAACCGGCAGGAACGGACGTTCT CGGCACGGCACGGCGGGGGGTGTGCAATGCTTCGGGCAAGCCGCCCAGATAAGGGAAACC GGGCTGGAAGCCCATCATAAATACGGTATAAGTTTGCGCCGTATGGCGGCGGACGATTTC GGAAATAACCGTCTGATGGAAAGCAGCGACTTCCGCCAAATCCGGGCCGTATTCGCCGCC GTAGCAGACGGGAATTTCCACCAGTTTGCCCTGATGGTCTGTAACGGCGGTGTGTTCCCA CACATATTGCAATTCATCGGCAAGCGTCGCCAAATCGGTATCGAAACGGGTAAACACGGT CAGATTGTTCATGCCGACCACCACTTCCTCAATCCTGTCGTGCTGCCCGAGCGCAGCGGC AAACGCCCACAACTTTTGCTGTTTGCCCAGTTCGGAAGGCGCATTCAGTCGGTAGACCAA AGCGGATTCGCTGATTGGTGATCTCTATTCTCATTTGTTGTTCATTTTGGTTATGTTT TAATGAATCTATATGCAGGGGGGGGGGTTTGTCAATATCTTCTGTGCTGCATCATCAAAC CGTCGATTGGAAAAGTGCTGCCCTGCCGCTGCACTTTTCAGACGACCTTAAACCGTTTC TATTAAAATAGCGCATTCCACTTTTCAGACGGCATCCTTATGTTTCCCGACCAATCCGCC CCCAACCTGCTGCAAGGCTTGAATCCCGAACAACTCTCCGCCGTAACCTGGCCGCCGCAA GCATGGCTGTTGCAAAGCGGACAAGCCAGCGTGCACAGCATTATGGCGGTAACGTTTACC AACAAAGCCGCCAAAGAAATGCAAACCCGTTTGGGCGCGATGATTCCCATCAATGTCCGC GCCATGTGGCTCGGCACGTTCCACGGTCTCTGCCACCGCTTTTTGCGCCTGCACCACCGC GACGCCGGTCTGCCGTCTTCCAAATCCTCGACGGCGGCGACCAGCTTTCCCTCATC AAACGCCTGCTCAAAAGCCTCAACATCGCCGAAGAAATCATCGCGCCGCGTTCGCTGCAA GGCTTTATCAACGCGCAAAAAGAATCCGGTTTGCGCGCTTCCGTGTTGAGCGCGCCCGAT CCGCACACGCCGCATGATTGAGTGCTACGCCGAATACGACAAAATCTGCCAACGCGAA GGCGTGGTCGATTTTGCCGAACTCATGCTCCGCAGCTACGAAATGCTGCAAAACAACGAA ATCCTGCGCCAGCACTACCAAAACCGCTTCAACCACATTCTCGTTGACGAGTTCCAAGAC ACCAACAAACTGCAATATGCTTGGCTGAAACTGATTGCCGGCAACCACGCAGCAGTATTT GCCGTCGGCGACGACGACCAAAGCATTTACCGTTTCCGTGGCGCAAGCGTCGGCAACATG ACCGCGCTGATGGAAGAATTCCACATCGACGCGCCCGTCAAACTCGAACAAACTACCGC GGCAAAAACCTGCGCACCGACGCCGAAGCAGGCGACAAAATCCGCTACTACTCCGCCTTT ACCGACCTCGAAGAAGCCCGGTTCATCTTGGACGAAACCAAAGCCCTCGAACGCGAAGGC TGGGATTTGGACGAAATCGCCGTCCTCTACCGTAGCAACGCCCAATCCCGCGTTATCGAA CAAAGCCTGTTCCGCAGCGGCATTCCCTACAAAATCTACGGCGGCTTGCGTTTTTACGAA CGCCAAGAAATCAAACACGCGCTCGCCTACCTGCGCCTCGCCGTCAATCCCGACGACGAC **AACGCCCTCTTGCGTGTCATCAACTTCCCACCGCGCGCGTTCGGTGCACGTACCGTCGAA** AATCTTCAGACGGCCTCAAACGAACAAGGCATCACCCTCTGGCAAGCCGCCTGCAACGCC GGCGCGAAAGCCGCCAAAGTCGTCGCCTTCGTCCGCCTGATTGAAGCCCTGCGCAACCAA GTCGGACAACTGTCCCTGTCCGAAATCATCGTCGGCATCCTCAAAGACAGTGGCTTGACC GAACACTACCGCACCCAAAAAGGCGACAACCAAGACCGTCTCGACAACCTTGACGAACTC ATTTCAGACGACCCCGCCTTCCCCATTCTCGCCTTCCTAAGCAATGCCGCCCTCGAATCC GGTGAAAACCAGGCAGGCGCAGGCGAAAAGGCCGTCCAACTCATGACCGTCCACGCCGCC AAAGGCTTGGAATTTAACGCCGTCTTCCTCACCGGCATGGAAGAAGGCCGCTTCCCCAGC GAAATGAGCCTTGCCGAACGCGGCGGCCTCGAAGAAGAACGCCGCCTCATGTACGTCGCC ATCACCCGCGCCCGCAAACGCCTCTACATCACCATGGCGCAACAACGCATGCTGCACGGA CAAACCCAATTCGGCATCGTCTCCCGCTTCGTCGAAGAGATCCCACCCGAAGTATTGCAC TACCTGTCCGTCAAAAAGCCTGCCTACGACAGTTACGGCAACACGCGCCAAACCGCCGCA TCCAAAGATAAAATCATCGACGACTACAAACAGCCCCAAACCTACGCAGGTTTCCGTATC GGACAAAACGTCCGCCACGCCAAATTCGGCACCGGCGTGATTATCGATGCCGCAGATAAA GGCGAATCCGCCCGACTGACCATCAATTTCGGCAAACAGGGCGTGAAAGAGTTGGACACC AAGTTTGCGAAATTGGAAGAGATGTAAATTTGAAATGTAGGTCGGATATTCGTATCCGAC CTACGGCAAAAACCTTAGCAGGAGAGAATAGAAACCCGTAGCGTGGGCTTTTTCTATGAA TCAAGCCCAAAATTTCAGACGGCATTTTTAGCCGTCATTATCGTGGATGAAGCCCACGCT ACAATGTACACAGAGCAAATAGAGATGTGGGTCGGATATTCGTATCCGACAAAAACAT TTGACGCGTCTATTGTTTCCGAAACACCGCTGTTGGAAATGTCGGATACAAGAATCTGAC TTACGGCAAAAAACGTAGTAAGGACAAAGCAAAAGGCCGTCTGAAAACGGGAAGGGCAAT TTTGCCGCAACCGCCGCCGTCATTCCCGCGCAGGCGGGAATCCAGACCTTTCGGCACGGA **AACTTATCGGATAAAAGGTTTCTTTAGATTCCACGTCCTAGATTCCCGCCGGAACATAAA** TGACGGACGGTAAAAGCCGGGTATGAATACCCACCCTCTGTTATCACTGAGATCAATAAG GAAGAACATTATGTCCCAAGTTTTTAAAGATTTTGACTTGTCCTCCGTATGGAAAACTAA TAGTTGGGCAGATGAAAACTACAAAGAAGCCCCGTTTACCCCTGAAATTTTGGCTGCCGT AGAAAGTGAACTGGGCTATAAATTGCCGCAAAGTTTTATTGAATTGATGGCAGTACAAAA CGGCGGAATATTTGTCAAAAACTGTTTTCCGACCACGCAGAGAAATTCGTGGGCGGAAAA TCATGTGCAAATTTGCGAGGTATCGGGAATCGGTTTTGAAAAAGAAGGGAGTTTGTGCGG

CGCGATGGGGCAAAAACTTTGGCTGGAAGAATGGGAATACCCGCCTATCGGCGTGTATTT TGCCAACGACCCGTCAGGCGGTCATGCCATGTTTGCCTTAGACTATCGGGCGTGCGGCAA AGACGGCGAGCCGAAAGTGGTGTTTGTCGAACAAGAATCGGATTTTGAAATCGTCGAACT TGCCCCGATTTTGAAACCTTTATCCGCAGCTTGCGGCATGAAGATGAGTTTATTGACGA AGAAATATAAAACGGTGGTTGAAAAACTGAAATCATCAAGAGAAAACGGGCGAAATAACG GGTAATCGCTTGAATCCGTAAGGAAAACGGTTTGGTGGAACGCGCCATCCAAGACCTTTG CAAAAAACTGTCCCCGACAGCATTGACATTATTAACAGAACTTATCAATTTTGGAGCTAT GTTCTAGCTCTTATACCAATTTTGGATTGCGAATTCCTGACACAATCTCAAATTCTTCTG CATCTATGCAAACACCTGCATAAATTTCAATAACAAGGGAACGCAATAATTGAAGCTCTT CTCTTGTTAAAGAAATAATGTCATCACCTTTGTAATTGATTATATTCATAATAATTT TATTTTTGTTTGTCAAAGTAAGTTTTGCCTAAGGTTGGTCTAAATGCAGTTCCACCATCT TTTGAATTTGGGTCTCTGATTACAATTGCTCCAGACTTATCATCCCAAATTGCTCTTATG TGTTTGGATTGTAATCTTCGAATTCCCAAGAAAAAATCGTAATAAGTTTGAAAGTGTCA **AATCCCAAGTTTCTTTTGAGCAATATTCTAATATTTTATCAATTTCACTTTTAATAATCT** GATGGGAAATCCATTTAGGAGAACAAATGCAAAGTGAAAAAAATAGATGAGCCTTGTTCTC CTTCGATTCCGATATCCAAATCTATCCATCTATGGAAATTATCTGGAATTTCGGGGGTAA ATTTTTCAAAATCAATATCATATAAATTTATGCTTTTTAAATCCAATTTAATCATTAGGG CTGTCCTAGATAAATAGGGAAATTCAAATTAAGTTAGAATTATCCCTATGAGAAAAAGTC GTCTAAGCCGGTATAAACAAAATAAACŢCATTGAGCTATTTGTCGCAGGTGTAACTGCAA GAACAGCAACAGAGCCCGACAGCATTGTTTATACGGATTGTTATCGTAGCTATTCATTTA CGCAAGTTTAACGGCATTCCCAAAGCGCATTTTGAGCTGTATTTAAAGGAGTGCGAATGG CGTTTTAACAACAGTGAGATAAAAGTTCAAATTTCCATTTTAAAACAATTAGTAAAATCG **AGTTTATCTTAGTTGTCCAGGACAGCCCCATTATTTTTATAACACCGTGAAGCCGCACAG** CAGTTTGAACAGTGATACGCCGTTTGCGGGCTTACGAGTTTATTTTCCCGGCCTGCAGTT TGAGCAATACGGTGATTTCCTACGGTTAATACAAATGTTTACACATTGATACATTTCATT TATAGTTCCGCCTATTTGAAAATAGAAAATATGAATTCGACCGCAAGTAAAACCCTGAAA GGATTGTCGCTGGTTTTTTCGCCTCTGGATTCTGCGCCCTGATTTACCAGGTCAGCTGG CAGAGGCTTCTATTCAGTCACATAGGTATCGATTTGAGTTCGATTACTGTCATTATTTCT GTATTTATGGTCGGCTTGGGTGTAGGTGCGTATTTCGGTGGACGCATTGCTGACCGTTTT CCTTCAAGTATCATCCCCCTGTTTTGCATCGCTGAAGTATCCATCGGTCTGTTCGGTTTG GTAAGCAGGGGTCTGATTTCCGGCTTGGGGCATCTTTTAGTTGAGGCTGATTTGCCCATC ATCGCTGCTGCCAATTTCCTCTTATTGCTGCTTCCTACCTTTATGATGGGCGCGACCTTG CCCTTGCTGACCTGTTTTTTTAACCGGAAAATACATAATGTTGGCGAGTCTATCGGTACC TTATATTTTTTCAACACTTTGGGTGCGGCACTCGGATCGCTTGCCGCCGCCGAATTTTTC TACGTCTTTTTTACCCTCTCCCAAACCATTGCGCTGACAGCCTGCTTTAACCTTCTGATT GCTGCTTCAGTATGGCTGCGTTACAGAAAGGATGGATATAGTGAACACTAAACCGAATAC TAGTTTGATTTATATGCTTTCCTTAGCGGCTTATTGAGCTTGGGTATAGAAGTCTT GTGGGTGAGGATGTTTTCGTTCGCAGCACAGTCCGTGCCTCAGGCATTTTCATTTACCCT TGCCTGTTTTCTGACCGGTATCGCCGTCGGCGCGTATTTTGGCAAACGGATTTGCCGCAG CCGCTTTGTTGATATTCCCTTTATCGGGCAGTGCTTCTTGTGGGCGGGTATTGCCGACTT TTTGATTTTGGGTGCTGCGTGGTTGTTGACGGGTTTTTCCGGCTTCGTCCACCACGCCGG TATCTTCATTACCCTGTCTGCCGTCGTCAGAGGGTTGATTTTCCCGCTCGTACACCATGT GGGTACGGATGGCAACAAATCCGGACGACAGGTTTCCAATGTTTATTTCGCCAACGTTGC CGGCAGTGCATTGGGTCCGGTCCTTATCGGCTTTGTGATACTTGATTTCTTGTCCACCCA ACAGATTTACCTGCTCATCTGTTTGATTTCTGCTGCTGTCCCTTTGTTTTGTACACTGTT CCAAAAAAGTCTCCGACTGAATGCAGTGTCGGTAGCAGTTTCCCTAATGTTCGGCATCCT CATGTTCCTACTGCCGGATTCTGTCTTTCAAAATATTGCTGACCGTCCGGATAGGCTGAT TGAAAACAAACACGGCATTGTTGCGGTTTACCATAGAGATGGTGATAAGGTTGTTTATGG GGCGAATGTATACGACGGCGCATACAATACCGATGTATTCAATAGTGTCAACGGCATCGA ACGTGCCTATCTGCTACCCTCCCTGAAGTCTGGCATACGCCGCATTTTCGTCGTTGGACT GAGTACAGGTTCGTGGGCGCGCGTCTTGTCTGCCATTCCGGAAATGCAGTCGATGATCGT TGCGGAAATCAATCCGGCATACCGTAGCCTTATCGCGGACGAGCCGCAAATCGCCCCGCT TTTGCAGGACAAACGTGTTGAAATTGTATTGGATGACGGTAGGAAATGGCTGCGTCGCCA TCCTGATGAAAAATTCGACCTGATTTTGATGAATACGACTTGGTACTGGCGTGCCTATTC CACCAACCTGTTGAGTGCGGAATTTTTAAAACAGGTGCAAAGCCACCTTACCCCGGATGG TATTGTAATGTTTAATACCACGCACAGCCCGCATGCTTTTGCTACCGCCGTACACAGTAT TCCCTATGCATACCGCTATGGGCATATGGTAGTCGGCTCGGCAACCCCGGTAGTTTTCCC CGTATTTGACAGCAGCACCGTGGATGCTGCAGCACAAAAGGTTGTCTCTCGTATGCTGAT TCAGATGACGGAACCTTCGGCTGGGCGGAAGTTATTACCGACGATAATATGATTGTAGA ATACAAATACGGCAGAGGGATTTAACCGTCTTAAAGGGTTTCAGGCAACGCAGGTTTTAG GTAACGTCCTGCTAGTTCAAAAAAACCGCATCACAGCAGTCGGGACAAAATGGTTTAAAC ATTTTGTCCCGAATTCTTATTCCTATATATAGTGGATTAACAAAAATCAGGACAAGGCGA CGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTGAGCACCTTAG AGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTA TACCACGAATTACGGTGTAAAAATTTATATGACCTTATAAAATCAAATAAGAATCGTTAT CATAACATGATTGTATTTATTGGGTTTTTTTGGGCGTTTTGCCGATATTTACCTTTTAAT GGTTTTTGAAATTCGCTAAAATACGAAATTATTGTAGAAATTTTGTTAACGGATTTGGGT GTAACCATGTTGTCCGCTTACTTTCCCGTCTTTTGTCTTTATCCTCATCGGCCTCGCGGCC GGCGTGCTGTTTATCCTGCTCGGCACGATTTTAGGCCCGAAACGCCACTATGCCGAAAAA GACGCGCCTTACGAATGCGGTTTTGAAGCTTTTGAAAACGCCAGGATGAAGTTCGACGTG CGCTATTACCTCGTCGCCATCCTCTTCATCCTGTTTGATTTGGAGGTCGCGTTTATGCTG CCGTGGGCAGTCGTGTTCAAAGATTTGGGCGCGTACGGCTTCTGGTCTATGCTGGTGTTT

ATCGTTGTTCTGACGGTAGGCTTTGTTTACGAATGGAAAAAGGTGCGCTGGAATGGGAA TAGAAGGCGTTTTGAAAAAAGGTTTCATCACCACCAGCGCGGATACGGTGCTGAACTATA TGCGTACCGGTTCGTTGTGGCCGGTTACTTTCGGCTTGGCCTGCTGCGCCGTGGAAATGA TGCGCCGAGTGTACGACCAGCTCGCCGAGCCGCGCTGGGTATTGTCTATGGGCTCATGTG CCAACGGCGGCGGCTATTATCACTATTCTTATTCCGTTGTGCGCGGTGCCGACCGCGTCG TGCCGGTAGATGTTTATGTGCCGGGTTGTCCGCCGACTGCGGAAGCCCTGATTTACGGCC TGATTCAGCTCCAACAAAAATCAAGCGCACTTCCACCATTGCGCGTGACGAGTAAGGAG AGGACGATATGGCAAGCATTCAAGACTTATACGAAACCGTCAGCCGCGTTTTGGGCAATC AGGCAGGCAAAGTCATTTCCGCTTTGGGCGAGATTACCGTCGAGTGTCTGCCCGAGCACT ATATTTCAGTCATGACCGCATTGCGTGACCATGAAGAGTTGCATTTCGAGCTTCTGGTTG ACTTGTGCGGTGTCGATTACAGCACTTACAAAAACGAAGCATGGCAGGGCAAACGCTTTG CCGTCGTCAGTCAGTTGCTTTCCGTTAAAAACAATCAACGCATCCGCGTGCGCGTCTGGG TTTCAGACGACGACTTCCCCGTAGTCGAATCTGTAGTCGATATTTACAACAGCGCGGATT GGTACGAACGCGAAGCCTTCGATATGTACGGCATCATGTTCAACAACCATCCGGACTTGC GCCGCATCCTGACCGATTACGGCTTCGTCGGACATCCGTTCCGCAAAGACTTCCCGATTT CCGGCTATGTGGAAATGCGTTACGACGAAGAGAGCAAAAACGCGTGATTTACCAACCTGTTA CCATTGAGCCGCGGGGAGATCACGCCGCGTATCGTCCGTGAGGAGAACTACGGTGGCCAAT AAATTAAGAAACTACACCATCAACTTCGGCCCGCAACACCCTGCGGCGCACGGCGTATTG CGTATGATTTTGGAGCTGGACGGCGAACAAATCGTCCGTGCCGACCCGCATATCGGCCTC TTGCACCGAGGTACCGAAAAACTGGCGGAAACCAAAACCTATCTGCAAGCCCTGCCCTAT ATGGACCGCTTGGACTATGTTTCCATGATGGTCAATGAGCAGGCGTATTGTTTGGCAGTA GAAAAACTTGTCGGTATCGATGTGCCCATCCGCGCCCAATACATCCGCGTGATGTTTGCC GAAGTAACGCGCATCCTCAATCACTTGATGGGCATCGGTTCGCATGCCTTCGACATCGGC GCGATGACCGCCATTCTTTACGCCTTCCGCGACCGCGAAGAGCTGATGGACTTGTACGAA GCCGTGTCCGGCGCGTATGCACGCCGCCTACTTCCGTCCCGGCGCGTTTACCGCGAC CTGCCCGACTTATGCCCAAATACGAGGGCAGCAAATTCCGCAATGCCAAAGTATTGAAG CAGCTCAACGAATCCCGCGAAGGCACCATGCTCGACTTTATCGATGCCTTCTGCGAACGC TTCCCCAAAAATATCGACACACTCGAAACCCTCCTGACCGACAACCGTATTTGGAAACAG CGTACCGTCGGCATCGGCGTCGTCTCCCCCGAACGTGCCATGCAAAAAGGCTTTACCGGC GTGATGTTGCGCGGTTCGGGCGTGGAATGGGACGTGCGTAAGACACAGCCTTACGAAGTG TACGACAAAATGGATTTCGACATCCCTGTCGGCGTGAACGGCGACTGCTACGACCGCTAC CTCTGCCGTATGGAAGAAATGCGTCAATCCGTACGCATCATCAAACAATGTTCCGAGTGG TTGCGTGTCAATCCGGGTCCGGTCATTACCACAAACCACAAATTCGCTCCGCCCAAACGT ACCGAAATGAAAACAGGTATGGAAGACCTGATTCACCATTTCAAACTCTTTACCGAGGGT ATGCACGTTCCCGAGGGCGAGACCTACACCGCTGTCGAACATCCGAAAGGCGAGTTCGGC GTTTACATCATTTCAGACGGCGCAAACAAACCCTACCGCCTGAAAATCCGCGCACCCGGC TTCGCCCATCTGCAAGGCATGGACGAAATGGCAAAAGGCCACATGCTCGCCGACGTCGTT GCCATCATCGGTACGCAGGACATCGTATTCGGGGAGGTTGACCGATAATGTTATCCGCAG AATCTTTAAAACAAATCGACATCGAGTTGGCAAAATATCCTGCCGACCAACGCCGCTCCG TCGCTTTTGTCGCCGACTACATCGGCATCACGCCTGCACAAGCCTACGAAGTCGCCACTT TCTACAATATGTACGACCTTGAGCCTGTCGGCAAATACAAACTGACCGTTTGTACCAACC TCGGCTACGGCGAAACTACCCCTGACGGCAAGTTTACCCTTGTCGAAGGCGAATGCATGG GCGCATGCGGCGACGCTCCCGTTATGCTGGTCAACAACCACAGCATGTGCAGCTTTATGA CCGAAGAAGCGATTGAGAAGAAACTGGCGGAGTTGGAGTAGGTCGTCTGAAACGACGATT TAAACGTAGGTCGGATACTTGTAGCCGACAGAGTGGGTAAAAAGGCAAAATGTCGGATTT AAGAATCCGCCCTACTGAAATACCGAAATGCCGTCATTCCCGCGCAGGCGGGAATCCACC CTGCGCGGGAATGACGACAAGCAAGCAAGTGGTCGAGATCCAACAAAAACGATTAAAGGT CGTCTGAAAATATCGATTTGATAAACTAGATTTTATTTCAGACGACGTTACAAGCCGGTA CACACCAAAAATGGCTATTTACCAATCAGGCGTGATTTTTGACCAAGTGGATACCGCCAA TCCCGATTGCTGGACATTGGACGAATACGTCAAACGCGGCGGCTATACCGCCCTGCGTAA **AATTCTGTCCGAAAACATCTCGCAAACCGATGTGATTGACGAAGTCAAAACCTCCGGTTT** GCGCGGGCGCGGCGGTGCGGGCTTCCCGACCGGTTTGAAATGGAGCTTTATGCCCCGTTC TTTCCCGGGCGAAAAATATGTGGTTTGCAACACCGACGAAGGCGAACCAGGTACGTTTAA AGACCGCGACATCATCATGTTCAATCCGCATGCCCTGATCGAAGGCATGATTATCGCCGG TTACGCGATGGGCGCGAAAGCCGGTTACAACTATATCCACGGCGAAATTTTTGAAGGCTA TTTGGGTTCGGATTTTGAATTTGAACTCTTCGCCCACCACGGCTACGGCGCATATATTTG CGGCGAGGAAACCGCATTGCTCGAATCGCTGGAAGGCCAAAAAAAGGCCAGCCGCGCTTTAA GCCGCCATTCCCTGCTTCGTTCGGCCTGTACGGCAAACCGACTACCATCAACAATACTGA **AACGTTCTCCTCCGTTCCATTCATTATCCGTGACGGTGGACAGGCATTTGCCGATAAAGG** TATTCCGAATGCAGGCGGTACCAAATTATTCTGTATTTCCGGCCATGTCGAGCGTCCGGG GCGCGGCGGTAAAAAACTCAAAGCCGTCATTCCCGGCGGTTCGTCCGCGCCCGTATTGCC TGCCGACATCATGATGCAGACCAATATGGACTACGACTCGATCTCCAAAGCAGGCTCCAT GCTCGGTTCCGGCGCGATTATCGTCATGGACGAAGACGTGTGCATGGTCAAAGCCCTTGA GCGTTTGAGCTACTTCTACTACGACGAGTCTTGCGGCCAATGTACCCCCTGCCGAGAAGG TACGGGCTGGCTTTACCGCATCGTCCACCGCATCGTAGAAGGCAAAGGTAAAATGGAAGA TTTGGATTTGCTGGATTCCGTCGGCAACCAAATGGCAGGCCGCACCATCTGCGCCCTCGC CGATGCTGCCGTCTCCCCGTCCGCAGCTTTACCAAGCATTTCCGTGATGAGTTTGTGCA

TTACATCGAACACGGCGGGCCGATGAAAGAGCATAAGTGGGGAGGGTGGTAATGGTGGAA GCTAAAATTTTTATTCTATACGGTGCAGCCAACAAAGGTAAGAGTACGACACTCAATACG CTTTTTAATCAGATTTGTCGGAAATTTTCTAAATTTCTAGTCTTTTTTGAAAGACATGGA AACGGCTTAGATTTTGTTGCAGTATTTGATCATGAAGGTCAGAGAATTGGTTTTTATTCA TCTGGTGATAATGAATACGAGGTTAGGGGAAATTTATACAAACTTTATTCGCATAATTGT GATTTTATTTTTGGCACGTCAAGGACACGGGGTGGTAGTTGCGATGCAGTAGGATGTTAT GCAGAGTTATTGCATGGCGATGTAAATATAATTAATTGGTGTGAAAAGTTTGAGCCTACA GATGAAGACAATGAGCGTGCTGTTAAAGAGTTATTTAAGTCATTTAAAAATATAATAAAT GAGTTATAGTTTAGTTGGTTTATATTGGTTAAAAGCAAAATGCTAAAAATTTAACTTT GCCGTCATTCCCGCGTAGGCGGGAATCCATAGTGGAATTTACAGAACCCGATATTTGAAA AGCAGTTGCCGAAATTCAAAAAATGGATTCCCGCCTACGCGGGAATGACGGCGGGAGTAG GCAGATGTTTCAGATGAAAACGGTTGTAAATGATATTAAAAAAGTTGTTGTTTATATTG CAGGAAAAATGAATACGAAACCATCCGCTTACTAGACAACCTGCCGTATATATTTTGGCA AACGGTAAAAATGGAACACTCTATATCGGTGTTACCATGAATTTGCCGGAAAGGGTTTGG CAGCACAAAAACCATGTCAATATTGATGGCTTTACTGCCCGATATGATGTGCATGATTTA GTTTGGTATCAGTTTTTTGAGAATATGCCTGAAGCAGTTGCCAAAGAAAAACGATGAAA AAATGGCGACGTGAATGGAAGATTAAACTGATTGAAGAACAAAATACTGAATGATTGGAC TTGTCGGGCGTGTTGTTTGTTTAGTTTTATTTCTGGAACTTTAAAAACTGTCGTTATTCC AGCCCCACCTACGCGCAGACAGGCTACGGCGGGAATCACCGCAAAAGTTAAGAAACCAAT GTTTGAAAACAGTTACCGAAAACCCAAGAATGGATTCACGCCTGTGCGGGAATGACGGCA AGGTGGCAGTAAACGTTTTAAACAGTATTGATTGTCAATGAAACTCAAAAGGCCGTCTGA AACCCATTTTTCAGACGACCTCCATAAAAGATTATTTATCAAATACCCGTAACTAGGAAC GAACCATGTTACAAATCGAAATCGACGGCAAACAAGTATCTGTGGAGCAGGGCGCGACGG TGATTGAAGCCGCGCACAAGCTCGGTACTTATATTCCGCATTTCTGTTACCACAAAAAAC TTTCCATCGCCGCCAACTGCCGTATGTGTCTGGTGAACGTAGAAAAAGCCCCAAAACCCC TGCCTGCCTGTGCCACGCCGGTTACAGACGGCATGATTGTGCGTACGCATTCGGCAAAAG CCCGAGAGGCGCAGGAAGGCGTGATGGAGTTCCTGCTCATCAACCATCCGCTTGATTGTC CGACCTGCGACCAAGGCGGCGAATGCCAGTTGCAGGATTTGGCGGTGGGCTACGGCAAAA CCACCAGCCGCTACACCGAAGAAAAACGTTCCGTCGTCGGCAAAGATATGGGGTCCTTGG AAATCGCCGGTTTGCAGGAAATTGCGATGGTGAATCGCGGCGAACACTCCGAAATCATGC CCTTTATCGGCAAAACGGTGGAAACCGAATTGTCGGGCAACGTCATTGATTTGTGTCCCG TCGGCGCGCTGACCAGCAAACCGTTCCGCTTCAACGCGCGTACTTGGGAATTGAACCGCC GCAAATCCGTTTCCGCCCACGATGCTTTGGGCAGCCAACCTGATTGTGCAGACCAAAGACC ACCGCGACCGTTTCGCCTACGAAGGCCTGTATCACGAAAGCCGTCTGAAAAACCCGAAAA TCAAACAGGGCGGCGAGTGGATGGACGTGGATTGGAAAACCGCGTTGGAATATGTCCGCA GCGCGATTGAATGTATCGCCAAAGACGGCAAGCAAAACCAAGTCGGCGTTTGGGCGAACC CGATGAATACGGTTGAAGAACTGTATCTGGCGAAGAAACTCGCCGACGGCTTGGGTGTTA AAAACTTTGCAACCCGTTTGCGCCAACAAGACAAACGTCTTTCAGACGGCCTTAAAGGTG CGCAATGGTTGGGACAAAGCATTGAATCTTTGGCTGACAACGATGCCGTATTGGTAGTCG GTGCGAACTTGCGCAAAGAACAGCCGCTCCTGACTGCCCGCCTGCGCCGCCGCCGCCAAAG ACCGTATGGCATTGAGCGTATTGGCCAGCAGTAAAGAAGAATTGTTTATGCCGCTTCTGT CGGAACACGCCGTTACCGCCAGCCTGAAAAATGCTGAAAAAGCAGCGGTGATTTTGGGCG ACGCGACCGGCGCAGTGCTGGGCATTTTGCCGCAAGCCGCCAACAGCGTTGGTGCGGATG TCTTGAATGTAAACTCCGGCAAGAGCGTTGTCGAAATGGTAAACGCGCCGAAACAGGCAG TCTTGCTGCTCAACGTTGAGCCTGAAATCGATACGGCGGACGGTGCAAAAGCCGTAGCCG CGTTGAAACAGGCAAAAAGCGTGATGGCGTTTACGCCGTTTGTCAGCGAAACGCTGCTGG ACGTGTGCGACGTGTTGCCGATTGCACCGTTTACCGAAACCTCAGGCAGCTTCATCA ATATGGAAGGCCGTCTGCAATCCTTCCACGGCGTGGTACAAGGCTTCGGCGATTCGCGTC CGCTGTGGAAAGTGTTGCGCGTATTGGGCAACCTGTTTGACCTGAAAGGTTTTGAATACC ACGATACCGCTGCGATTTTGAAAGACGCGCTGGATGTGGAAAGCCTGCCGTCCAAACTGG ACAACCGCAACGCATGGACAGGGGGGGGGCGTTCAGACGACCTCAGACCGCCTCGTCCGTG TCGGCGGCGTCGGTATTTATCACACCGATTCTATCGTGCGCCGTTCCGCACCGTTGCAAG ${\tt AAACCAGCCATGCCGCGTGCTGCGCGTGTAAATCCAAATACATTGGCACGCTTGG}$ GCCTGCAAGACGGACAAACCGCTGTCGCCAAACAAAACGGCGCAAGCGTATCGGTTGCCG TCAAAGCCGATGCCGGACTGCCTGAAAACGTGGTGCATCTGCCGCTGCATACCGAAAATG CCGCGCTGGGTGCGTTGATGGACACTATTGAACTGGCGGGAGCTTGATTATGCAGGAATG GTTCCAAAACCTCTTTGCCGCAACGCTCGGTCTGGGCGATTTGGGTATTACTGTAGGCTT GGTGGTATCCGTCATCGTCAAAATTGTGATTATCCTGATTCCGCTGATTCTGACCGTCGC CTACCTGACTTATTTCGAACGTAAAGTCATCGGCTTCATGCAGCTTCGCGTCGGTCCGAA CGTAACCGGCCCGTGGGGTCTGATTCAGCCGTTTTGCCGACGTGTTCAAACTCTTGTTTAA AGAAGTAACCCGTCCGAAGCTGTCAAACAAAGCCCTGTTCTATATCGGCCCGATTATGTC GCTTGCCCCGTCTTTCGCGGCGTGGGCAGTGATTCCGTTCAATGAAGAATGGGTGCTGAC CAACATCAATATCGGTCTTTTGTACATCCTGATGATTACCTCGCTGTCGGTTTACGGCGT GATCATCGCGGGCTGGGCTTCCAACTCCAAATATTCGTTCTTGGGCGCAATGCGTGCTTC ${\tt CGCGCAAAGCATTTCCTACGAAATCGCCATGAGTGCCGCGCTGGTGTGCGTCGTGATGGT}$ GTCGGGCAGCATGAACTTCTCCGACATCGTTGCCGCGCAGGCAAAAGGCATCGCAGGCGG TTCGGTATTCTCTTGGAACTGGCTGCCGCTCTTCCCCATCTTCATCGTCTATCTGATTTC CGCCGTTGCCGAAACCAACCGCGCACCGTTTGACGTGGCAGAGGGCGAGTCTGAAATCGT TGCCGGTCACCACGTCGAATATTCCGGCTTCGCATTCGCGCTGTTCTTCCTTGCCGAATA TCCCTTCCCGCAAAGCTGGGGCATTGTCGGTACGCCTTCCGCATTTTGGATGTTCGCGAA

AATGGCGGCGGTTCTGTACTGGTATCTGTGGATACGCGCCACCTTCCCACGCTACCGTTA CGACCAAATCATGCGCTTGGGCTGGAAAGTGCTGATTCCGATCGGCTTCGCCTACATCGT GATTTTGGGCGTGTGGATGATTTCACCGCTGAATTTGTGGAAATAAGTTTCAGACGGCAT CTTGAGGCCGTCTGAACAAAGCGATTTTGAATACCTAACGAAATCCCTGTTTTGAGGGAA CATAATATGGCTAACTTAGTAAAAACCTTTCTGCTTGGCGAATTGGTAAAAGGTATGGGC CCGCAATCCGTGCGTTTCCGCGGTCTGCACGCGCGCGGTATCCGAACGGCGAAGAG CGGTGTATCGCGTGTAAGTTGTGTGAGGCAGTGTGTCCGGCAATGGCGATTAACATCGAA TCGGAAGAACGTGAAGACGGTACGCGCCGCACCAAGCGTTACGACATCGACCTGACCAAG TGCATCTTCTGCGGTTTCTGCGAAGAGGCATGCCCGACTGATGCGATTGTGGAAACCCAT ATTTTTGAATACCACGGCGAGAAAAAAGGCGACTTGCACATGACCAAGCCGATTCTTTTG GCCATTGGCGACAAATACGAAGCTGAAATCGCCAAACGCAAAGCCGCTGACGCGCCGTAT CGTTAATGCTTTGGGGGCTTCTTGGAAGGTTTTAAATATGGAAGGACTGATTAATGCATTG AAATATTTAGCCGAACATGAGCCAATAGATAATTTTGAAGAAATTAGAACTAGAAATAGT TTATCCCCAAAATTACAAAATGATGATAGCTTGAAGACGCATTATTGGATTATCCGTGAA TGGGGTGGGATTAAAAGTTTTAAACAATCTGCTGAAAATAGCCAGCTTATTCGTCAATTT TTATCGGAACTTAATTCGGGAAAATTGAGTAGTGGTTTGTTGAAAATTTCATCATTATCT AAATTGGCTTCTTTTATAGATTGTGAGCGATTCGCCATTTATGATTCACGCGCTATTTTT TCGTTGAATTGGTTGTTTAAATTTACAAATGCAGATTTGTTTTTTCAGCCACAAGGT AGAAATAGGGAACTAGAAATCCGAAATATGAACGTATTGTTTCATTTTTCTGATATCAAA CCGAATTATCGGAAACCAGACGTTTCGTTTCATCAATATTGTGGGTTGTTACAAGATTTG GCGAAACAAGTTTATGGTAAACAAGCAAAACCGTATCACATAGAAATGTTGTTATTCAAA ATTGCGACAACGTGGATTTGTGCGGATATGGATCAACTGATTAAGTTTGATTGTTTGCGT **AACCAGGATTTTCAGACTGCTTGAAACCATATTTTTGATTAATAAGAAAGCATAGACTA** TGACTTTCCAACTGATTTTATTTTATATTTTTGCAGTGATAATTCTTTATGGCGCGCTCA AAACCGTCACCGCTAAAAACCCTGTTCACGCCGCTTTGCATCTGGTGCTGACCTTCTGCG TGAGCGCGATGCTTTGGATGCTGATGCAGGCTGAGTTTTTTGGGCGTGACGCTGGTGGTGG TTTACGTCGGCGCCGTGATGGTGTTGTTCCTGTTCGTCGTGATGATGTTGAACATCGACA ttgaagaaatgcgtgccggtttctggcggcacgccctgttgccggtgtggtcggcacat TGTTGGCGGTTGCGCTGATCCTGATTCTGGTCAACCCGAAAACCGACCTTGCCGCATTTG GTCTGATGAAAGACATTCCTGCCGATTACAACAATATCCGCGATTTGGGCAGCCGTATTT ATACCGACTATCTGTTGCCGTTTGAATTGGCGGCGGTATTGCTGTTGTTGGGTATGGTGG CGGCGATTGCGCTGGTTCACCGTAAAACGGTTAATCCGAAACGCATGGATCCTGCCGACC AAGTCAAAGTACGCGCCGACCAGGGCCGTATGCGTCTGGTGAAAATGGAAGCGGTCAAAC CGCAAGTCGAATCTGCCGAAGAAAGCGAAGTTTCAGACGACCTCAAGCCGAAAGAGGAGG GCAAAGCATGATTACCTTGACGCATTATTTGGTATTGGGTGCGCTCCTGTTCGGTATCAG GATGCTTTTGGCGGTGAACTTCAACTTTATCGCCTTCTCGCAACATTTGGGCGATACTGC CGGACAAATTTTCGTATTCGTATTGACCGTTGCCGCTGCCGAATCTGCCATCGGTTT GGCGATTATGGTGCTGGTGTACCGCAACCGACAAACAATCAACGTTGCCGATTTGGACGA GTTGAAAGGGTAAAGGTAGGTTGGGTCGAGACCTGACAAGACACCGATGCCGTCTGAAAA CCCGATAGGAAAAACGATGAAATCCATAGACGAACAAAGCCTGCATAATGCCCGCCGCCT GTTTGAAAGCGGCGACATCGACCGTATCGAAGTCGGTACCACCGCGGGCCTGCAACAGAT TCACCGTTACCTGTTCGGCGGCTTATATGATTTTGCGGGTCAAATCAGGGAAGACAACAT TTCCAAAGGCGGTTTTCGTTTTGCCAACGCCATGTATTTAAAAGAGGCTTTGGTTAAAAT CGAGCAGATGCCCGAGCGGACTTTTGAAGAAATCATCGCCAAATATGTTGAAATGAACAT GGCGATGGAACGCAGCCCCGTCAACGATTTAGAACTGCGCTTTCTGTTAAAGGACAACCT GACTGACGATGTGGACAACCGTGAAATCATCTTTAAAGGTATCGAGCAGTCGTATTATTA CGAAGGGTATGAAAAAGGCTGAGGGTCGTCTGAAAAGCGATTTCAGACTGTTTCAGACGA CCTGATTCGGTAGGTGATCAGACGGGAGCGGATGAGAAAAGAAATTCTGGGTAAGAATAA TCCGGTCTGAAATATTGGAAGAAGAATGATGGATAAAAATCAGTTAGAACAAGAATTTCA TAAAGCCATGTTAAATATTTATCAGGAGGCTTTGAATTTGCCGCAACCTTACAAGGCGAC ACGATTTTTACAAATTGTAAATGAATTTGGTGGTAAAGAGGCGGCGGATAAATTATTGAG TACGGGGGAAAAGAAGACTCAGACCGGTTTTACAGAGCTGATTTTGAGTGGTGGCGGAGT CCACGCCTTGAAATACAGTATGGAATATCTGGTGTTACAAAAGCCGTGGTGTGATTTATT TACTGAAGAGCAATTAGCTGTGGCACGCAAACGATTGGAGCGTGTTGGATTTGTTTTTCC CGATATGACTTTATATTTGATAATTGCCCTTGTTCCGTTGGCAGGCTCGCTGATTGCGGG TTTGTTCGGCAACAAAATCGGACGTGCCGGTGCGCATACGGTTACGATACTCGGCGTGGC GGTGTCCGCCGTGCTGTCGGCTTATGTGCTGTGGGGCTTTATTGACGGCAGCCGCCCAA GTTTGACGAGAATGTCTATACCTGGCTGACAATGGGCGGCTTGGATTTCTCCGTCGGCTT CTTGGTCGATACGATGACGGCGATGATGGTCGTGGTAACGGGCGTGTCGTTGATGGT GCATATCTATACCATCGGCTATATGCACGATGAAAAAGTCGGCTACCAACGCTTCTTCAG GCTCTTCTTCGGTTGGGAAGCGGTGGGCTTGGTGTCGTATCTCTTGATCGGTTTCTATTT CAAACGCCCGAGCGCGACATTTGCCAACCTGAAAGCCTTTTTGATCAACCGTGTCGGCGA CTTCGGCTTTTTGCTCGGTATCGGCTTGGTGCTTGCCTATTTCGGCGGCAGCTTGCGCTA TCAAGATGTATTCGCTTATCTGCCCAACGTGCAAAATGCCACTATCCAACTGTTCCCCGG TGTGGAATGGTCTTTGATTACTGTAACCTGTTTGCTCCTGTTTGTCGGTGCGATGGGTAA ATCGGCACAATTCCCGCTGCACGTCTGGCTGCCTGATTCGATGGAAGGCCCGACCCCGAT GTCGCCGATTTATGAAATGAGCAGCACCGCGCTGTCGGTCATTATGGTGATCGGCGCGAT

Appendix A

TACCGCCCTGTTTATGGGCTTTTTGGGCGTGATTCAAAACGACATCAAACGTGTAGTTGC GTATTCCACCCTGTCGCAATTGGGCTACATGACCGTGGCTCTGGGCGCGTCTGCCTATTC CGTGGCGATGTTCCATGTGATGACCCACGCCTTCTTTAAAGCCCTGTTGTTCTTGGCGGC AGGCAGCGCGATTATCGGTATGCACCACGACCAAGACATGCGCCATATGGGCAATCTGAA AAAATATATGCCGGTTACTTGGCTGACCATGCTGATCGGTAACTTGTCGCTGATTGGTAC GCCGTTCTTCTCCGGCTTCTACTCCAAAGATTCGATTATCGAAGCGGCGAAATACAGCAC TTACGCGTTCCGCCAATACTTTATGGTGTTCCACGGCGAAGAGAAATGGCGCAGCCTGCC CGAACACCATTCAGACGCCACGGCGAAGAACATCACGGTTTGGGTAAAAACGACAATCC CATCGGCTACATCGCCATCGAACCCATGCTCTACGGCGATTTCTTCAAAGACGTGATTTT GGCAATGGTGTCCCACAGCCTGCATTCGCCCGTACTCTACCTTGCTATCGCAGGCGTGTT GAGCGCATGGCTTTTGTACGTCAAACTGCCGCACCTGCCAGCGAAAATTGCACAGACGTT CCGTCCGATTTACGTTTTGTTTGAAAACAAATACTACCTCGACGCCCTGTATTTCAACGT TTTCGCCAAAGGCACACGCGCATTGGGCACTTTCTTCTGGAAAGTCGGCGATACCGCCAT TATTGACAACGGTATTGTCAACGGCTCTGCCAAACTGGTCGGCGCGATTGCCGCGCAAGT GCGTAAAGCCCAAACCGGCTTTATCTACACCTACGCCGCCGCTATGGTGTTCGGCGTATT GGTCTTGCTCGGCATGACCTTCTGGGGATTGTTCCGATAAGAATAAGGTTTCAGACGGCC TTAAACCTTCAGGCCGTCTGAAACGAAGAAATATCCACATAAACACATTTTTATTTTAAC CACAGGTTAACCACTATGTTTTCCAACTACCTACTCAGCTTGGCAATATGGATACCCATC GCCGCAGGCGTGCTGGTTTTGGCAACGGGGTCGGACAGCCGTGCGCCGTTTGCCCGCGTG CTCGCCTTCATGGGTGCGCTTGCCGGTTTCTTGGTAACACTGCCCCTGTTTACCGGTTTC GACCGTTTGAGCGGCGGCTATCAATTTACCGAGTTCCACGAGTGGATTCCGCTTCTGAAA ATCAACTACGCATTGGGCGTGGACGGTATTTCAGTGCTCTTTATCATCTTGAATGCGTTT ATTACGCTGTTGGTGGTATTGGCAGGTTGGGAAGTCATTCAGAAACGTCCGGCGCAGTAT ATGGCGGCATTCCTGATCATGTCGGGTTTGATTAACGGCGCGTTTGCCGCGCAGGATGCG ATTCTGTTTTATGTGTTCTTCGAGGGTATGCTGATTCCGCTGTACCTGATTATCGGTGTA TGGGGCGGTCCGCGCGTCTATGCGTCGGTCAAGCTCTTCCTCTACACGCTGATGGGT TCGCTCCTGATGCTGGTTGCGATGGTTTACCTTTATTATCAAACAGGCAGCTTCTCTATT TTCTTCCTGTCATTTGCCGTAAAAGTGCCGATGTTCCCTGTGCACACTTGGTTGCCGGAT GCCCACGTTGAAGCGCCGACCGGCGGTTCGATGGTGTTGGCGGCCATTACGCTGAAACTG GGTGCGTATGGTTTCTTGCGCTTTATCCTGCCGATTATGCCGGATGCGGCACGCTATTTT GCCCCGTGATCATCGTATTAAGTCTGATTGCCGTGATTTATATCGGTATGGTGGCTTTG GTGCAAACCGATATGAAAAAACTGGTGGCGTATTCGTCCATCAGCCATATGGGTTTTGTA ACGCTTGGGATGTTTTTGTTTGTTGACGGGCAGTTGGACGACTGGGCATTGAAAGGTGCA ATCATTCAAATGATTTCGCACGGTTTCGTGTCTGCCGCGATGTTTATGTGTATCGGCGTG ATGTACGACCGCCTGCACACGCGCAATATTGCTGATTATGGCGGCGTGGTCAATGTGATG CCCAAGTTTGCGGCGTTTATGATGCTGTTCGGTATGGCGAACGCGGGTTTGCCTGCGACT TCCGGCTTCGTGGGCGAGTTTATGGTGATTATGGGCGCGGTCAAAGTGAATTTCTGGGTC GGCGCGTTGGCCGCCATGACCCTGATTTACGGTGCATCTTATACCCTGTGGATGTACAAA CGCGTTATTTTTGGTGCGATCCACAATCCGCACGTTGCCGAAATGCAAGACATCAATTGC CGCGAATTTGCGATTTTGGCAATTTTGGCGGTGGCTGTTTTTGGGTATGGGCCTGTATCCG **AACGCATTTATCGAAGTGGTGCATCAGGCGGCAAACGATTTGATTGCCCATGTGGCACAA** AGCAAGATTTGAGGTGTGTAAATGAACTGGTCTGATTTGAATTTAATGCCCGCCATGCCC GAAATCGTGCTGCTGCTGCTGGTGTTATTGTTGCTGGCGGACTTGTGGGTCAGTGAT GACAAACGCCCGTGGACGCATTACGGCGCGTTGGCAACGGTGGCGGTTACGGCTGTGGTG CAGTTGGCGGTGTGGGAACAGGGCAGCACGTCTTCGTTCAACGGGATGTATATTGCAGAC GGTATGTCGCGTTTGGCAAAAATGGTTTTATATGCCTTGACCTTTGCCCTGTTTGTCTAT GCCAAGCCCTACAACCAAGTGCGCGGTATTTTTAAAGGCGAGTTTTACACCCTGTCATTG TTTGCCCTGTTGGGTATGAGTGTGATGGTGAGCGCGGGGCATTTTTTAACTGCCTATATC GGTTTGGAACTCTTGTCGCTTGCCCTTTACGCCCTGATTGCCCTGCGCCGCGATTCCGGC TTTGCCGCCGAAGCCGCCTTGAAATATTTTGTTTTGGGCGCGCTGGCATCCGGCCTGCTG CTCTACGGTATTTCTATGGTTTACGGCGCAACCGGTTCGCTGGAATTTGCCGGCGTGCTC GCCTCTTCCTTCAATGAAGAAGCCAACGAATGGCTGTTGAAACTGGGTTTGGTGTTTATC GTCGTCGCCGTCGCGTTCAAACTCGGTGCGGTGCCGTTCCATATGTGGGTGCCCGACGTG TATCACGGCGCGCCCACTTCTGTTACCGCCTTGGTCGGCACTGCCCCGAAAATCGCCGCC GTCGTTTTCACTTTCCGCATCCTCGTTACCGGGCTGGGAACCGTGCATCATGACTGGTCT CTGATGTTTGCCCTGCTTGCCGCCGCCTCGCTGCTGGTCGGCAACCTTGCCGCCATCATG CAGACCAATATCAAACGTATGTTCGCCTATTCCACCGTATCGCATATGGGTTTCATCCTG TTGGCGTTTATGGCGGGCGCGGTCGGCTTTGCGGCGGGCCTCTATTACGCCATTACCTAC GCGCTGATGGCGGCGGCAGGGTTCGGAGTGTTGATGGTGTTGTCGGACGGGGACAACGAG TGCGAAAACATCAGCGATTTGGCAGGGTTGAACCAACACCGCGTATGGCTTGCCTTTTTG ATGCTGCTGGTTATGTTCTCTATGGCGGGCATTCCGCCGCTGATGGGTTTTTACGCCAAA TTCGGCGTGATTATGGCACTCTTGAAACAAGGCCATGTTTGGTTGTCTGTATTTGCCGTC ATCATGTCGCTGATTGGTGCGTTCTACTACCTGCGCGTGGTCAAAGTCATCTACTTCGAT GTGCCTGATCATGACCAGCCGGTCGGCAGCAACTATGCCGCCAAATTTGTTCTGACGGTC AATGCCTTCTTGCTGCTCCTGTGGGGCATCATGCCGCAAACCGTTATCGACTGGTGCGCC AAGGCGTTGGAGAACACGCTGTAAGCCGCCGCAACGGCAGCCGTGTCAGAGGCTGCCGTT TTTGTTAAGATATGCCGTTCCGCAACGCGGTTCAGACGCCATCGCCGCCGACAACGCCTA AACAGAAAGCCCACCATGACCGCATCCATGTACATCCTTTTGGTCTTGGCACTCATCTTT GCCAACGCCCCTTCCTCACGACCAGACTGTTCGGCGTGGCCGCACTCAAGCGCAAACAT TTCGGACACCACATGATCGAGCTGGCGGCAGGTTTCGCGCTGACCGCCGTTCTTGCCTAC ATCCTCGAATCCCGTGCAGGATCGGTACACGATCAGGGTTGGGAGTTTTATGCCACAGTC

GTCTGCCTGTACCTGATTTTTGCGTTTCCATGTTTTGTGTGGCGGTATTTTTGGCACACG CGCAACAGGGAATAGACAAGCATAGGAATGCCGTCTGAAACCCTTTCAGACGGCATTTGT TTCATTCAAGTGCAGGCCGGCATCGCTGTGCCGGCACGTTTCAGCCGGCGATATACGCCG GTTTTAATATTTGCGGGCGACTGCAAATTCTGCCAACTGCCGCAGGCGCAGGGCTTTGTC GCCGAAGGGTTCGAGCAGCGCGACCGCTTCGGCAACCAGTTTGTGTGCGTATGAGCGCGC CGCTTCCAAGCCCATCAGTTTCACATAAGTCGGCTTGTCGTTGTCTGCGTCTTTGCCCGC CGTTTTGCCCAAAGTCGCCGTGTCCGCTTCACAATCCAACACATCGTCAATGACTTGGAA CGCCAGCCCCAGTTTTGCCGCGTAAGCGTCCAATACGGAAAGTTCCGCATCTGACAGATC AGGACACGCCGTCGCCCCAATAAAACCGCCGCACGGATTAGCGCACCCGTTTTCAGGCT GTGCATCTGTTCCAAATCGGCTTGAACCATTTGTTTGCCGACATTCGCCAAATCGATTGC CTGACCGCCCGCCATACCCCTGCTGCCGCCCGCTTTCGCCAACACCGACAACATTGCCAA CTGGCGTGCGGCGGCAGTTCTGTCGGACGGCTCAACACGTCAAATGCCTGTGTCTGCAA AGCGTCGCCGGTCAGAAGGGCGGTCGCTTCGCCATATTTGATGTGGCAAGTCGGTTTGCC GCGCCGCAGGCTGTCGTTGTCCATCGCCGGCATATCGTCGTGAACCAAAGAATAGACGTG GATCATTTCGATTGCCGCCATTGCCTGTTCTACTGCTTCATGCACGGCTTCGCCTAATTC CGAAGCTGCCAGAACCAGCATCGGCCGCAGACGCTTACCGCCGTCCAAAGCCGCATAACG CATCGCTTCGTGCAGTGTGCGGTATTTCCCCCTCAGACGGTAAAAACCGTTCAAGCAG CAGCTCTGTTTGCGCCTGCGCCCTCTGTTGCCACGTTTTCAAATCATTCGTCGGATTCAA GGTTTAACTCCTTCAGCCCGTCTGTGTCTAAAACCTGTAGCTTTTGTTCGACTTGTGCCA GTTTGGTTTGGCAGTACCTGACCAGTTCGTTGCCTTCCTGATAGGCGGCAAGCGCGTCTT CCAAGGGCATTTCGCCCTGCATAGACTGCGTCAGCGATTCGAGGCCGCGACAAGGCTTCTT CAAACGATTTCGGGGGCGTTTTTCTTCATCGTATTTCCTTTTCGGTTGAAACCCCGCCCTT TAGGGCGGCAGGATCAGACTTTATTTGGGAGGGGTGTAACCCTTTCCAAATCAGGGCAAT ACATAGGGCGGTGCTTTATGTGCCGTCCTGTGTGTGGAACATAGTTTCGGATGTTCCGG TAAAAAGCGGATTGTAGCATTTTTGAAAAACGGATGCCGTCTGAAACCCGAATCCGGCTT CAGACGGCATTTTTCCGCCCAGGCGGCAAGGCGTTACCCGGGCAGTTCGTCGGTGATGC CCTGCAAAAAGGCGAGGCGTTCGGGGCTTTGCCGCCCCGGTTTGCGCGGCGCTTTGAAGG CGCAGCCGGGTTCGGCGCGGTGGGTGCAGTTGTGGAAGCGGCATTGCCCGACAAGGTGGC GGAAATCGGGGAAATAGCGCGGCAAATCGGCGGCTTGGAGGTGGTGTAAACCAAATTCTT GCAAACCCGGGGAGTCGATGAGTTGGGTTTCGCCGTTCAAATCATAAAGCCGGGCGTGGG TGGTGGTGTTTTCCCGAGTCGAGTGCGGCGGAAATGTCGCCGGTGCGGCGGTTTGGC TGCCCAAAAGGGCGTTGGTCAGGGTGGATTTGCCCATACCGCTCTGCCCGAGCAGGATGT TGCTGTGCCCTTGCAGGGGGGGGGGGCGCAGGCTGCCGGGGTTTCCAGTGCGCGGGTTTCGA TGACGGGATAACCCAGCGTTTCGTAGAATTTGAGTTTTTCGCGCCAAAGGGCGGTTTCGG GCAGGTCGGCTTTGTTCAGGACGATGACGGCTTCAATACCGGCGGCGTTCGGCGGCAAGCA GGGCGCGTTGCAGCAGCCGCACGCTCGGACTCGGGACGGCGGCGGTTACGATGAGGAGTT GGGTAACGTTGGCGGCGATGAGTTTGGTTTTCCACGCGTCTTGGCGGTAGAGCAGGCTTT GGCGCGGTAAAAAATCTTCAATCACAACTTGTTCGGCGTTGACGGGGCTGATGCGGACGC GGTCGCCGCAGGCGAAATCGACGCGTTTTTTGCGGGTGCTGGCTTCGTAGGTTGTGCCGT CGGGCGTGCGGACAATGTAGCGGCGGCGGTAGCTGGCGGTAATTTGGGCGGTGTCGTTCA TGGTTTCTTTGGGGTTGGGTGTGGGAATGCCGTCTGAAAACGGGTGTTCGGACGGCATCG GTTCAGTCGTGCCACTCGACGTGTTCGTTGAGGAAGCCGCCGCTCTGGTGCGCCCAG AGTTTGGCGTAAAGCCCGCGTTTTTCGAGGAGTTCGGCGTGTGTGCCTTCTTCGATGATG CGGCCTTTGTCGAGGACGACGAGCCTGTCCATTGCGGCGATGGTGGAGAGGCGGTGGGCG ATGGCGATGACGGTTTTGCCGTCCATCATTTTGTCGAGGCTTTCTTGGATGGCGGCTTCG ACTTCGGAATCGAGCGCGCTGGTGGCTTCGTCCAAAAGAAGAATCGGTGCGTCTTTGAGC ATCACGCGGGCGATGCGCTGGCGTTGCCCGCGGAGAGTTTCACGCCGCGTTCG CCGACGTGTGCGTCGTAGCCGCCCCCCTTTGGCATCGGAAAGGTCGGGGATGAAGCCG GCGGCTTCGGCGCGCGGCAGAAACCATTTCGGCATCGGTCGCGTCGGGGCGGCCG TAAATAATGTTGTCGCGCACGGAACGGTGCAGCAGCGAGGTATCTTGCGTGACCAAACCG GTGCCGCTTTGCGGTTCGTAGAAGCGCAAAAGCAGGTTGACGATGGTGGATTTGCCCGCG CCGCTGCGTCCGATCAAGCCGACTTTTTCGCCCGGGCGGATGGTGAGGTTGAAGCCGTTG AGCAGCGGTTTGCCCGCTTCGTAGGAGAAATCGACGTGTTCAAATTTGATTGCGCCTTGC GGCACGTTCAGCGGCAGTGCCCGGGGCTTGTCGAGGATGGTGTGCGGTTTGGACAGGGTT GCCATGCCGTCGCCGACGGTGCCGATGTTTTCAAACAGCCGCGCGGATTCCCACATAATG TATTGCGACAAACCGTTGACGCGCAACGCCATGGCGGTGGCTGTAGCAACCGCGCCCACG CCGACCTGCCCGTTGTGCCAGAGCCAGATGCCCAGTGCGGCGGTGGAGAGGGTCAGGGAG AAGAGTTTGACGGTGGCGATATTGGAATAGGCATCGGTAATGCGGCCGGTCATCAGCGAG CGGGCATCCGCCTGCCATGCGGCGGTTTGCCCCAATTTGGGAATCAGCAGGCGCATCACC AGAATCACGCCGGAGGTAATGAAATACACCGACACATAAACGACCATATCGGCAACCGTC ATCACCGCGTCGCGCAACGCCAGCGCGGTCTGCATGACTTTGGCGGACACGCGTCCGGCA **AATTCGTCCTGATAAAAACCGAGGCTTTGGTTCAGCATCAGGCGGTGGAAGTTCCAGCGC** AGGCGCATGGGGAACACGCCTGAAGGGTTTGCAGGCGCACGTTGGACGCGGCAAACGCC CACGCAACCGAAAATACCATCATCGCCGCCATTGCCGCCAGTTCCCAACTTTTTTCGGCA AACAGTTCGGCGGGCGCGTATTTGCCGAGCCACTCCACGATTTTGCCCCATAAATTGAAAA ACCAGGGCTTCCATAATGCCGATGCCGGCGGTCAGCGCAGCCAGGGCGGCTATCCATTTC CGCACGCCGGCCATGCTGCTCCAGACAAACCGCCACAAGCCTTTTTCTGGCGTTTTCGGG GCGGCTTCGGGATAAGGGTCGATTCGGGACTCGAACCAGGAAAATATTTTGTTCAACATT GTTTTCGATTTCGGTAAAACAGTTTCAGACGGCATCAAACACAATGCCGTCTGAAAGGAA GGACAATAACGCCATTTTACGGGAAAAGCCGTCGGGAAGACAGCGCGAGGCGGAAACGCA GGGTTTCGTCAGGGCAAACGCCGCGCCGCCTTCAGGCGGCATTATTTCAGCAGGTTTTTC

AAAGCAAGGCGCACGCCTTCGCCCACGTCCGTCCCTCCGGAACGCCTTTGACCGCCGCT TTTGCTTCGCGTTCGCTGTAACCCAGCGCAAGCAGCGTGCTGACGATGTCTTCCGTTTCG TCGGCGGCGGCGGCAAACAGCCCGTCCGTTACCGTATGCGCGACCAGCTTGCCG CGCAGTTCCAAAACCATACGTTCGGCGGTTTTTTTGCCGATTCCCGGGGCGGAGGAGAGG CGTTTGACATCTTCTTCTGCAACCGCCCGCGCCAGTTCGTCGGCAGTCATTGCCGACAAA ATGCCCAAAGCCGTTTTCGCGCCGATGCCGCCGACCTTGATCAGTTGGCGGAAGGTCTTG CGTTCTTCCGCAGTGGCAAAACCAAATAAAAGATGTGCGTCTTCCCGAATGATAAGCTGG GTAAACAGTTGTACGCTTTCACCCACGGGCGGCAGGTTGTAGAAGGTCTGCATCGATACG TCGGCCTCATAGCCGACACCGTTGACATCGATGACGATTTGCGGAGGGTTTTTTCAACC AGTTTGCCGGTCAGTCTGCTGATCATGTGTGCCGAATCCTGAAGTGTCGGGTGCAAAATG CCGTCTGAAACCGGTTTGGGCTTCAGACGGCACGGATTGTATCAAATTCAGTCGTCGCGG CGGGAGGAAATCACGCGGCCGGTACGGGCATCGACAACGACTTTGTATTCCTGTCCGTTT TTGACGATTTCGACATCATAGTGCGGACGGCCGTTGTCGTGTTCGAGATCGATGTCGGTG ATTTTGCCGCCGACACGCCCAACGCTGCTTTTTCGGCTTGGGCGCGGCTGATGATTTTG TCTTGTTTGTTGTGTGTGCGGCGTGTCCGTGGTCGTCATCGCCGTGTCCGTCGTGG TGGGCGAGCGCGGGGGGGAAATGCTCAGCAGTGCGGTTGCGGCGGAGGTCAAGAGAAGG TGTTTGATGTTCATATTTTGCCTTTGTAAATCGTGGGTTGGAAAATGTGGATATTAATAA GGTATCAAATAACCGTCAGCCGGCGGTCAATACCGCCCGAACCATACCGCGCGCCTGAGC TTCGGCTTCGGCGGCGTTCCTGCGAGGTAAACGGTCCCATTTTGACGACGTATTCGTA ACGGCGTTTTTCAACCGAGAGGTTCGTACCCGATGACGAAACGGCGAAGTTTTGGGCGGC TTGGTTCAGATAGGCTTGTGCTTCGTGTTCCGTACCGAAAGATTTCAAGTCGATAAAGAT GTCTTTGTTTTCGGCAACCGGTGCGGATTGGCCCGGGACGATTTGTTCGATTTTGACGTG TGCCGTCCCTTGGTTGACAAAGCCCAATTTTTGCGCGGCGGCTTTGGATACGTCGATGAT GCGGTTGCCGTGGAAGGGGCCGCGGTCGTTGACGCGGACGATGACGCTTTTGCCGTTTTT GGTATTGGTTACGCGCACATAGCTGGGGATGGGCAGGGTTTTGTGGGCGGCGGTAAAGGC GTTCATATCGTATCGTTCTCCGCCGGAAGTTTTGCGCCCGTGAAACCTGCCGCCGTACCA CGAGGCGTTGCCGGTTTGCGTGAATTCGGCGACTTGGTTTTTCGGCGTGTAGCGTTTTCC GGCGACTTTGTAGCTGCGGTTGGCGGAGGCGTGCAGTTTTTCTGCCTTGACCACTGCGTC GGCGGATGCCGTCTGAAGGGAGTGTGTGCCGAATGCGGCGGTGAGAAGGAAAAGGGTTTT TCGGGTTAAAGTCAAAACGTGTTCCGTTCTTGAGTTGAAGACGAATGGGCATCATGCCCG CCGGATACGTTCCGAACCGCCGTACAGTGCGGACGGCGGTTCGGAATGTGTCCGGATAGG TTTTCAGACGGCATGAACCTGCGTTCAAACGCCGCCTGCGTAACCGTGTTGCCGCCACGC TTCAAAGAGAATCACGGCGACGGTGTTGGAAAGGTTCATACTCCGGCTGCCGGGCTGCAT CGTTTCCGGCCCGAACAGTAAAACGTCGCCTTTTTGAAACGCGGTTTCATCGGGGCGCGC CGTGCCTTTGGTGGTCAGGGCGAAAATGCGCCTGCCTGCGAGTGCCTTGAGGCAGTCGTC GAAGTTTTCGTGCACCGTCAGGCTGGCGAACTCGTGGTAGTCGAGCCCGGCGCGTTTCAT TTTGGCGGAATCCAATGGGAAGCCGAGCGGTTTGACAAGGTGCAAATCCGCGCCGGTATT GGCGCACAGGCGGATGATGTTGCCCGTGTTCGGCGGGATTTCCGGCTGGTATAAAACGAT GGTAAACATAAATATCAATCACTTATAGGCGCGTAACCTTGCCACAAGGCGGATGGGGTG TTGCGCCCGATTTTTTCAGCGTCTTTGCCAATTCGTCCAGCGTCGCGCCGGTGGTAAAGA CATCGTCGATTAACAGAATATTACAGTTTTCCGGTATCGGTGTGCGGATTTCAAAGGCGT GGAAAACGGTGTGTCGGGGCAGTATCTGCCAGCCGTAGCGTTGTGCCAGCAGCCCGACGA TGCTTTCACTTTGGTTGAACCCGCGTTGCAGCAGCCGCTCCCTGCTTAGCGGTACGGGCA GGACGAAATCGAAACATTCGTCTGCAAGCCGGTCGGGCGGATTCTGCATCATCAGGTCTG CCAGCGGCTGCACCATGCTCAAATCAGCCAAGTGCTTCAGCGCGTGTATCATATTGCTGA AGCCGCCGCACACCGATCCGCCTTGGATGTGTCTGAAACACAGGGGGCAGCTGTTTGCCG CGTCGGTGCGGTATGCCGCCAAATCGTCGCGGCAGCCGGCGCAGATGCCGTCTGAAACGC CAGACGAACCGTGGCATAATACGCAACGCCTGATAGTGGGCGCGTCTGCGATGCGCCGCC **AACGAGAGAAAATCCATGCCTGATGCCGTCAAAAAAGTTTACCTGATACACGGTTGGG** CCGCCGTCGATTTGCCCGGACACGGGGACGCTCCGTTTGTCCGACCTTTCGACATTGCGG CTGCGGCCGACGCCATTGCCGCTCAAATTGACGCTCCGGCCGACATTCTCGGCTGGTCGC TCGGCGGATTGGTCGCGCTGTATCTGGCGGCGCGCCATCCCGACAAAGTCCGTTCGCTCT GCCTGACGGCGAGTTTCGCACGGCTGACGGCTGACGAAGACTATCCCGAAGGGCTTGCCG CGCCTGCATTGGGCAAAATGGTCGGTGCGTTCCGTTCGGATTATGCCAAACATATCAAAC TGCCCGATTTGGCGCGCTGCGGCACGCCTCAAGCCTTGCAGGAGGCGTTGGACGCGGCGG AAAGGGCGGATGCGCGCATTTGTTGGACAAGATAGATGTTCCGGTACTGCTGTTTCG GCGGCAAAGACGCGATTACGCCGCCGCGTATGGGTGAATATCTGCACCGCCGTTTGAAGG GCAGCAGGTTGGTTGTGATGGAAAAGGCGGCGCATGCGCCGTTTTTGAGCCATGCGGAAG CGTTTGCCGCGCTGTACCGCGACTTTGTTGAAGGGGGTTTGAGATGAACCATCAGGACGC ACGCTGGCAGGTTCACCGCCATCTTGCCGAACATACCGACCAACGGCTGACACTCGTCCG CAACGCGCCCAAGCATATCCTGCTTGCCGGTGCGGATGCGGACATCAGCCGCAGCCTGCT GGCGAAACGCTATCCGCAGGCGGTATTTGAAGAATACGATTCCCGTGCGGATTTTTTGGC GGCTGCCGCTGCCGCAAAGGCGGTTTTTGGCAAAGGTTTACGGGTAAGGGCGTGGT GCAACACTGCCAATCCCCGATCGCGCCGCTGCCCGAAGCGTGTGCCGATATGTTGTGGTC CTTGAAGACGGACGGCTGCTTTTTTACCTGCTTCGGGCGAGATACCTTGGCGGAACT GAAATGCCGTCTGAAAGAAACGGCATTGAAAGCCGCAGCGCGCTTTTCCCTGATATGCA ·· CGACTTGGGCGATATGCTTGCTGAAAACGGCTTTTACGACCCCGTTACCGATACGGCGAA GCTGGTGTTGGATTACAAAAAGGCGGAAACGTTTTGGGCGGATATGGACACGCTGGGCGT

TTGGCGGGCGATGGCGTGGAACGATGAAAACGCCGCGCGTTCGTGTCGGGACAATATT TGAGCGGGAAGGCGGTTTGGGCATTACGCTGGAAACGGTGTACGGACACGCCGTGAAAAA ACTGATGCTGCCGCAAGGGGAGAACGTGGTGCAGTTTTTTCCGAAGAGATGATGTGCAGA TGCCGTCTGAAGCCGTTTCCAGGTTTCAGACGGCATTTGTCTGTGAAAACCGACAGAAAT AAAGGAAATGCCGATGTATAGTGAATTAAATTTAAACCAGTACAGCGTTGCCTCGCCTTA GCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATT TGTACTGTCTGCGGCTTCGCCGCCTTGTCCTGATTTTTGTTAATCCACTATATGCTGATG CCCGAGTTGAAGAACACGGTGGCAAAAAAAACACATGCGACCCTGCTGGCTTTGGACTGG CAGGGCAACAAACCGCTTGGGGGGGGGGGGGGGGGGGTTTGAAATCGCTTTACAAAGAC ttaaagaataatattggaaatattgtatgaacaaaaaattaaactatattttatgttgg ACTGTTTAGGGTTGGTGATATTGTTTACTTGTATAATAGCTACTTTTGAAAGAGATTATG GATTTAAAATTTTTACTAATTCTAAGAGACCTGAATTTTATTATTGGATTGGAATGTTTT ATAAAAGAAAAGTTAAACAATATAAAATTTTTTCAGTAATATTTTCAGTTTTGATATTTA TTTCTACTATAGTAAAACTTTAAATTTTGGAGCAAAAATTTATGAGCGATTCAATTGAAT ATGTATTGGGAACGCGGTCTGCACATGTATAAGGCAAGTGCCGTCGTGCCGACGGGATAT GTACGGGTTGGGAATACCGCGCCGCTGGTCGGCGAAGACACGCAACGGTATGCCTCTTTT TGGGGCGACGCTACGACGTGTACCGTCAGTTGAGATGGCAGCAGATACCCGAAAAACAG AGAAAGGCATTCAAAAAAGCCGCCAAAAGCAAAAAGACCGTGATGTTTGCCGGACGGGAA TACGGCATATCCAAACAGAATTTGAGCGATGTTTGGGATGATTTTGAAGACGCGATGGAA CTGAAGGCGTTTCCCTGCCTGTCTTCGCTGTTTCTGACCAAATGGCATAAAAATCTATAT GATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATT CTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTC GCCGCCTTGTCCTGATTTTTGTTAATCCACTATAAAAACAGGAATTTTTAAATAGAGGCA ATGCCGTCTGAAACTTGGTAACGGGCTTCAGACGGCATTTCGTTCCAATACCGCCAACAC CGCCGCACCGTAACGTGCGGCTTTTTCTTCGCCTACGCCGTATACGGCGGCAAGCTCCGC CAAGCCTTCCGGCTGTTTGGCGGCAATGGCGCGCAGTGCGGCTTTGCTGAGAATGCGGTA GGGTTCGGACTGTTCGTGTTTTGCCGTTTCGCCGCACCATTGGATCAGGGCGCGCATCAG GATGTCCCGTCCGTATTTGGCGGCGCGTACGCTGCCCAAGCCGTACACGCCTTCGAGGTC GGTTTCGGTTTCGGGCGTATCGGCAAGCATATCGGCAAGGCTTTCGTCGGAGAGGACGGC ATGCAGGGCGCAGTTTTCCGCCCTTGCCTGTTCATACCGCCAGGCTTCGAGTTTTTGACG CAGTTGTTGTTCGCGTTCGGTTTGCGGACGGATGACCGCGGTCGCGGCTGAAGCCGGCGGC GTTGCGGCAGACTTCGAGGATGCCGTGTCCGAAACGGTCGATTTTGGCTTCGCCCAAACC GTAGATGTCGTGCAGACCGTTGAGGTCTTGCGGCATTTTTTCGACAAGGTCGCGCAGGGT TTTGTCGCCGAAAATCATATAGGCGGGGATGCCTTCGGCTTCTGCCTGTTTCATACGCCA AACGCGCAATGCCTGCCACAGGCGTTCTTCGCGTTCGGTACGCAGCCAGTTGTCTTTGAG GGTGCGGGCGGCGGCTTGTCGCGCTTGAGCGGACGCAGCATCACTTCGGTTTCGCCTTT GAGGACTTTTTTGGCGGCTTCGGTCAGTTGCAATGCCTGATATCGGGTAATGTTGACGGT GAGGTAGCCGAGGCTGATACACTGGCGGATGACGCTGCGCCATTCTTTGTCGGACAACTC CGTACCGATGCCGAATGTGGACAGTTGTTCGTGCCGGTTGCCGCGTATCCAATCGTCGCT TTTACCTCGTAAAATGTTGGTGATGTAACCGGCGCAAAACGTTGTCCGGCGCGCTACAC GCAGCTGAGTAATTTTTGCACCAACACCGTGCCGTCAAACCGTACGGGCGGATGCAGGCA GTTGTCGCAATGGCCGCAGGGTTCGGATGCTTCGCCGAAATGTTTGAGCAGCAGTACGCG GCGGCAGGCGGCTTTCGCAGACGGCAAGCATGGCATCGAGTTTTTGCATTTCGATTTG CTTTTGCACCTCGTCGCTGTTGCCTTCGGCAATCCGTTCGCGCAGCAACACCCCAATCGTT CAAACCGTAACACAGCCAGCTTGCGGCCGGCAGCCCGTCCCGTCCGGCGCGCCCCGATTC TTGATAGAAATGTTCGACACTCTGGGGCATATCGAGATGGGCGACAAAGCGCACGTCGGG TTTGTCTATGCCCATGCCGAACGCCACGGTCGCCACCGATAATATTGTCTTCATGCGT AAAGCGGCGTTGGTTTTCCTCGCGTACGTCCATGCTCAAACCAGCATGATACGGAATCGC GTTTAATCCGTTTTCACGCAAAAACTGCGCCACATCTTCCACCTTTTTGCGGCTTAGGCA ATACACAATGCCGCTTTGCCCCGTCATTTCTTTGCGGATGAAATCCAGCAATTGTTTTTT GCCGTTGTTTTTTCGATAACCTGATAATAATATTCGGACGGTCAAAGCTGGAGACAAA TTCGGGCGCATCGTCCAAGTGCAGATAATGCTTGATGTCGGCGCGCGTGGCGCATCGGC GGTAGCGGTCAGAGCGATGCGCGGGACGTTCGGATAGCGTTCGGCAAGCATGCCGAGCTG TTGATATTCAGGGCGGAAATCGTGTCCCCATTGGCTGACGCAATGCGCCTCATCAATGGC CGGCGCGACATAAAGCAGCTTCAGACGGCCTTGGGCAAGCCGGTCGGCAATCTCGCGCGC CTCGTCTGCCGATGTGCCGCTGTTGACTGCCGCCGCTTCGATGCCGGCGCGCGTGCAGĠTT TGCCACTTGGTCGTTCATCAGCGCAATCAGCGGCGATACGACAACCGCCACGCCTTCGCG CATCAGCGCGGGAATCTGGTAACACAAAGACTTGCCACCGCCCGTCGGCATCAGCACCGT CTCGGTAAGGGTGTTGATCGGTCGGCGGCAATATGCCGTCTGAAATCGGGATTTAGAATA GTTTGCCCACTTCTGCTTCAATATCGTCGGCACGCATAAACGTTTCGCCGATCAGGAAGG TATGCACGCCGCGCATTGCATAAATTCCACATCCGCCTTGCCTGTAATGCCGCTTTCGG TAACGACGGTTTTGCCTTCCAGCGCGGGCAGCAGCGACAGGGTTTGGTCGAGGGAGACTT CAAAAGTCCTCAGGTTGCGGTTGTTTACGCCCCACAGCGGCGTGGTCAGGTTGCGGCATT TTTCCAATTCGGTTTCGTCGTGCAGCTCGAGTAGGACGGTCATGCCCCAATTCGTGCGCCA CCGCTTCAAAGCGTTCCAATTGTTCCTGTTCCAGTGCTGCGGCAATCAGCAGGACGGCAT CCGCCCCCATGCGCGCGCCTGATAAACCTGGTATTCGTCGATGATGAAGTCTTTGCGCA GCACGGGCAGCGATACGGCTTCGCGCGCCTGTTTGAGGTATTCGGGCGAACCTTGGAAAT -AGGGTTCGTCGGTCAGTACGGACAAACACGCCGCTCCGGCGTTTTCATAGGCGCGTGCAA TCTCGGCAGGCGGAAGTCCGGACGGATTAACCCTTTGCTCGGGCTTGCCTTTTTGATTT

Appendix A

CGGCTATGACGGCGGGCAGGTTTAGGCGGTGTTTGCCGCGTATCGAATCGATGAAGCTGC GGACGGGCGCGCTTCTGCGGCAAGTGTGCGGATGTTTCGGCGTTGACGGCGGCTTTTT GAGCGGCAACTTCCTGTGCTTTGGTGGCAAGGATTTTATTGAGGATGTCGGTCATGTCGG GTTCCGTATTCGTCTGGGGAAAGGGGGAATATTAGCATCAAACCGTTAACGCCTGTTTGT GCGGAAGCTGTCGAAATAGGACAGGACGGTCTGCGGCAGCCATTGCAGGTGCAGCCTGCC GCCGGTGCTGACAAAGCCGACATGACCACCATATGCCGGCTGGAACAGGGTAACGGC TTCGGATACTTCGTCTGCGCGGGGCAGGGCTTCGGGCGGCAGGAAGGGGTCGTTGACGGC ATTGAGCAGGAGCAGCGGTTTGGCAACGTGTTTGAGCAGCGGTTTGCAGGAAGTTTGGCG GTAGTAGTCGTGCCGGTCGGCAAAGCCGTGCAGCGGTGCGGTGAAGCGGTCGTCAAACTC GCCCAGTGTTTTGCACCCTGCGGCAAATGCCGTCTGAAAACCTTGGAGCGATTTTGCTTT GGGTATCAGGGTGCGGAGGAAGTAGCGCGTGTAGAGCAGCCGCGTGATGCCGCTGTCGAA GCGTCTGCCTGCCCTCTGCATCGACGGGGGGGGGAGATGACGGCAGCGGCTTGCGGCAA TGCCTTTTTGCCCTGTTCGCCCAAATATTTTGCCAGCGCGTTGCCGCCCAGCGATACGCC GACGGCGTATATTTCACGGTAACGCGCGGCGAACGTGTCCAAAGTAAAGGCGATTTCGGC GGTATCGCCCAAGTGGTAGAACACCGGAGCGGTGTTGGCAATGCCGCCGCAGCTGCGGAA ATGGACGACTACGCCGTGCCAACCCCGATCGCGTACCGCAAGCATCAGTTCGACCGCGTA ATGGCTGCGGCTGCTTCCTTCCAAACCGTGAAACAGCACCAGCGGCGCGCATCGGGCGA **AATGCCGTCTGAAAAGTCGTAGGCGACTTTGGTTTTACCCGTGCTGTCGGGAAGCAGCTC** TCGGCGGTATGCGGGCGCGGGGCGTTGCAGGAATTTGGCGGCAATCGTGTCGGCATTGCC GTTGCGGAGGAAAAAGGGCGTGTCCGGCGGTGTTAAAATCATAAGGTATCGGTTTTCTTG TTTTCAGACGGCATTGATGATGCGGCAGCCCGTCCGGCTGGTGCGGACGTGGGGGATGCG CGCCCGAATATAGGCGTGGAAAAGCGTTTGCCGAAAAAGGATATCGGCATCGGTCAGTTT TCCACGCGTTTGAAATGGCGCGGACGGAAGCCCAAAGCCGCCAGTGATGCGAAATACAGT CCGCCGCCGACGCAATCAGGATGCAGAGCTGCCCCGCTTTCCGCATTCCGCCGGCGTGC GCCCATTCAAACGGCAGGTAAGCCTGCGCTGCCCACAGTCCGCCGCACATCACGGCGAGC GAGAGCAGCATTTTTGCTAAGAACGCTGCCCAACCCTTGCCAGGTTGGTAAATACCGTGT CTGCGCAACAGGTAAAACAACAATCCGGCATTGATACACGCGCCCAGACCGATGGCAAGC GAAAGTCCGACGTGTTTCAGTGGGCCGATAAAGGCAAGGTTCATCAACTGCGTGCAGATG AGCGTGAAGATGGCGATTTTGACGGGCGTTTTGATGTTTTTGCCGCGCATAGAAGCCGGGT GCCAACACTTTAATCATGATTAAGCCGATTAAACCGAAAGAATAGGCAATCAGCGCGTGT TGCGTCATCTGCGCGTCAAACAGCGTAAATTCGCGGTACATAAACAGCGTCGCCACCAGC GGGAACGACAACACCGCCAGTCCGACCGCCGCCGCAGCGTCAGCAGCATGCACAGGCGC **AAACCCCAGTCGAGCAGGGCGGAAAACTGTTCCGTATCTTGGTTTGCCGAGTGTTTGGAC** AAAGTCGGCAGCAAAATCGTACCGAGTGCCGCCCCCAGCACGCCGCTGGGCAGCTCCATC ATGCGGTCGGCGTAATACATCCATGAAACGCTGCCCGATTGCAGATAAGACGCGAAAATC GTGTTGATCACCAAAGAAACCTGCGCCACGCTCACGCCCAAAATCGCAGGCGCCATCTGT TTCATCACGCGGTTGACCGCCGCATCTTTGAAACTCAGTTTGGGCAGTTTCAAAAAGCCC AGTTTCGCCAGCCAGGCAGTTGGAAGCCGAGTTGCAAAATGCCGCCGACAAAGACCGCC CACGCCAGCGCGGTAACGGGCGGATCGAAATACGGCACGAAAAACAGCGCGAATACGATA AACGACACGTTCAGAAACGTGGGCGTAAACGCCGGAATGCCGAACTTATGATAAGAATTG AGTACCGAGCCGACAAATGAAGACAGGGAAATCAATAATATATAAGGAAACGTAATCCGC **AGCAPATCGATGGAGAGCTGAPATTTGTCGGCATCTTGGGCAPAACCGGGTGCGGPAACCA** TAAATCACCCAAGGCGCGCAAGTATGCCCAGCGCGGTAACGATAACCAGTACAAACGAC AGCATCCCCGCCACATGGCGGATAAAAGCCTCCGCCGCCTCTTTTGAACGCGTTTCCTTG TATTCCGCCAAAATCGGCACAAACGCTTGGGCAAACGCCCCCTCCGCAAACACGCGGCGA AGCAGGTTGGGCAGTTTGAACGCGACAAAAAACGCATCCGTCGCCATACCCGCGCCGAAT GCCCGCGCAATGACCGTATCGCGCACAAATCCCAAAACGCGCGACACCATCGTCAGGCTG CCGACTTTTGCCAAAGCTCCCAGCATATTCATCATTGTTCCTCAACAGTCGTACCCGTCT GGGGCAACGGCGCGTATTGTACGACAGAAACCGCTTCAGACGGCATCGGGTTTGATGCCG TCTGAAGCGGTTTCCTGAAACGAAAACGTCCTTTTCCGGCGGCAAACTGTATCAATACGC GGAAATGCAATAAAATAGCCGGATTCCGATTGATTTCCAACATCTGTTTCCAACATCACG GAGAACCGTATGAAATCCAGACACCTTGCCCTCGGCGTTGCCGCCCTGTTCGCCCTTGCC GCGTGCGACAGCAAAGTCCAAACCAGCGTCCCCGCCGACAGCGCGCCTGCCGCTTCGGCA GCCGCCCCCGGCAGGGCTGGTCGAAGGGCAAAACTATACCGTCCTTGCCAACCCGATT CCCCAACAGCAGGCAGAGTCGAAGTCCTTGAGTTTTTCGGCTATTTCTGTCCGCAC TGCGCCCACCTCGAACCTGTTTTAAGCAAACACGCCAAGTCTTTTAAAGACGATATGTAC CTGCGTACCGAACACGTCGTCTGGCAGAAAGAAATGCTGACGCTGGCACGCCTCGCCGCC GCCGTCGATATGGCTGCCGCCGACAGCAAAGATGTGGCGAACAGCCATATTTTCGATGCG ATGGTCAACCAAAAATCAAGCTGCAAAATCCGGAAGTCCTCAAAAAATGGCTGGGCGAA CAAACCGCCTTTGACGGCAAAAAAGTCCTTGCCGCCTACGAGTCCCCCGAAAGCCAGGCG CGCGCCGACAAAATGCAGGAGCTGACCGAAACCTTCCAAATCGACGGTACGCCCACGGTT ATCGTCGGCGGTAAATATAAAGTTGAATTTGCCGACTGGGAGTCCGGTATGAACACCATC GACCTTTTGGCGGACAAAGTACGCGAAGAACAAAAAGCCGCGCAGTAAGCCCGTTTGAAA **AATGCCGTCTGAAACTTGGTTTTCAGACGGCATTTTGATTGGGTTTAAAACGTAAAGCCC** GCATAACGGCGCGATACGCGGCGCAGATAGTTTAAGAAACGCGGGATTTCCGGACGGTAT TTGTCTTTGCCGTCGCGGTAGTACAGGCGTGCGAAGATGCCTGCAACCTTCAAGTGCCGC TGCACGCCATCCATTCGAACCAGCGGTAAAACTCGTCAAACGCTTCGGGGACGGGCAAG CCGGCAGCCCGCGCCTTTTCCCAGTAGCGGATAACCAAGTCCAAGACAAATTCTTCTTCC CATTCGATAAAGGCATCGCGCAACAGCGACACCAAATCGTAGGAAATCGGGCCGTAAAGC GCGTCTTGGAAGTCTAAAACGCCCGGCCTGCCGCGCGTCAGCATCAGGTTGCGGACGATA AAGTCGCGGTGCACATAGACTTTGGGCTGCGCCAACAGGGGCGGCAGCAGCGTATCGACG GTTTGCTGCCAAAGTTGGCGTTGTTTGAATGTTAATTCGCGCCCCAATTCTTTTGCGACA .. AACCATTCCGGGAACAGGTTGATTTCGCGCAACATCGTTTCACGGTCATATTCGGGCAAA ACCCCTTCACGGCTCGCCTTCTGCAATTCGACCAACTCGCCGATTGCCTCCAAAAGCAGG

GCTTTGTGCGCCGTTTCGCCCTGTTCCTGAAGCATTGCGGTCAAAAACGTCGTATTGCCC AAGTCGTTCAATACCACAAACCCCAGATCCGTGTCCGCGTGCAATACCTGCGGCACATTG ACCATGTCAAACAGTTTCTGCACTTTCAAATAAGGTGCGACACTCATCTTGTCGGGCGGT GCATCCATGCAGACGACACTGCTGCCGTCTGAAAACGTTGCACGGAAATAGCGGCGGAAA TCAGCATCCGCCGCCAAAAGTCAGATCGAAGTCCCGTTCGGGATAAACGGTCTGAAGC CAATTTTTCAGTTTGATTTGTCGTTGCATAACAGTACTAAAGCATTTCAGGTTACAATAA ACGCTATTCTAACTGGCAAACCGACTTGAGGGGGGGATTTTGGCTCGTTTATTTTCACTCA AACCACTGGTGCTGGCATTGGGCCTCTGCTTCGGCACGCATTGCGCCGCCGCCGATGCCG TTGCGGCGGAGAAACGGACAATCCGACCGCCGGAGAAAGCGTTCGGAGCGTGTCCGAAC CCATACAGCCTACCAGCCTGAGCCTCGGTTCGACCTGCTGTTTTGCAGTAACGAAAGCG AAGGCAACGTCGTCGAACGCAACCGGACGACCCTCAATACCGATTGGGCGGATTACG ACCAGTCGGCGACACCGTTACCGCAGGCGACCGGTTCGCCCTCCAACAGGACGGTACGC TGATTCGGGGCGAAACCCTGACCTACAATCTCGAGCAGCAGACCGGGGAAGCGCACAACG TCCGCATGGAAATCGAACAAGGCGGACGGCGGCGCTGCAAAGCGTCAGCCGCACCGCCGAAA TGTTGGGCGAAGGGCATTACAAACTGACGGAAACCCAATTCAACACCTGTTCCGCCGGCG ATGCCGGCTGGTATGTCAAGGCAGCCTCTGTCGAAGCCGATCGGGAAAAAGGCATAGGCG TTGCCAAACACGCCGCCTTCGTGTTCGGCGGCGTTCCCATTTTCTACACCCCTTGGGCGG ACTTCCCGCTTGACGGCAACCGCAAAAGCGGCCTGCTTGTTCCCTCACTGTCCGCCGGTT CGGACGGCGTTTCCCTTTCCCTATTATTTCAACCTTGCCCCCAATCTCGATGCCA CGTTCGCGCCCAGCGTGATCGGCGAACGCGGCGGCGGTCTTTGACGGGCAGGTACGCTACC TGCGGCCGGATTATGCCGGCCAGTCCGACCTGACCTGGCTGCCGCACGACAAGAAAAGCG GCAGGAATAACCGCTATCAGGCGAAATGGCAGCATCGGCACGACATTTCCGACACGCTTC AGGCGGGTGTCGATTTCAACCAAGTCTCCGACAGCGGCTACTACCGCGACTTTTACGGCA ACAAAGAAATCGCCGGCAACGTCAACCTCAACCGCCGTGTATGGCTGGATTATGGCGGCA GGGCGGCGGCGGCAGCCTGAATGCCGGCCTTTCGGTTCTGAAATACCAGACGCTGGCAA ACCAAAGCGGCTACAAAGACAAACCGTATGCCCTCATGCCGCGCCTTTCGGTCGAGTGGC GTAAAAACACCGGCAGGGCGCAAATCGGCGTGTCCGCACAATTTACCCGATTCAGCCACG ACAGCCGCCAAGACGGCAGCCGCCTGGTCGTCTATCCCGACATCAAATGGGATTTCAGCA ACAGCTGGGGCTATGTCCGTCCCAAACTCGGACTGCACGCCACCTATTACAGCCTCAACC GCTTCGGCAGCCAAGAAGCCCGACGCGTCAGCCGCACTCTGCCCATTGTCAACATCGACA GCGGCGCAACTTTTGAGCGGAATACGCGGATGTTCGGCGGAGAAGTCCTGCAAACCCTCG AGCCGCGCCTGTTCTACAACTATATTCCTGCCAAAATCCCAAAACGACCTGCCCAATTTCG ATTCGTCGGAAAGCAGCTTCGGCTACGGCAGCTCTTTCGCGAAAACCTCTATTACGGCA ACGACAGGATTAACACCGCAAACAGCCTTTCCGCCGCCGTGCAAAGCCGTATTTTGGACG GCGCGACGGGGGAAGAGCGTTTCCGCGCCGGCATCGGTCAGAAATTCTATTTCAAGGATG ATGCGGTGATGCTTGACGGCAGCGTCGGCAAAAAACCGCGCAACCGTTCCGACTGGGTGG CATTTGCCTCCGGCAGCATCGGCAGCCGCTTCATCCTCGACAGCAGCATCCACTACAACC AAAACGACAAACGCGCCGAGAACTACGCCGTCGGTGCAAGCTACCGTCCCGCACAGGGCA AAGTGCTGAACGCCCGCTACAAATACGGGCGCAACGAAAAAATCTACCTGAAGTCCGACG GTTCCTATTTTTACGACAAACTCAGCCAGCTCGACCTGTCCGCACAATGGCCGCTGACGC GCAACCTGTCGGCCGTCGTCCGTTACAACTACGGTTTTGAAGCCAAAAAACCGATAGAGG TGCTGGCGGGTGCGGAATACAAAAGCAGTTGCGGCTGCTGGGGCGCGGGCGTGTACGCCC **AACGCTACGTTACCGGCGAAAACACCTACAAAAACGCTGTCTTTTTCTCACTTCAGTTGA** ATATCACCGCCCACTCTCTTTCCGCCGGACGCAACAACGACCCTGACCGTCGGAAACCT GGCAGGAGCACCGTTCCCGCACAAGACGGCATTCCACCGACAACCCCAAACCCGCCATCA AAGGCAGGATTCAAACGATAAGGAAAGAATGATGAAAATCAAAGCCCTGATGATTGCCGC CAAAGCTGCCAAAGCTGCCAAAGTTGCCAAAGTTGCCAAAGTTGCCAAAGT AGACGGCATTGCCGCCGTTGCCGACAACGAAGTCATCACGCGCCGCCGGCTTGCCGAAGC CGTTGCCGAAGCCAAAGCCAACCTGCCCAAAGACGCGCAGATAAGCGAATCCGAGCTGTC CCGACAGGTGCTGATGCAGCTTGTCAACCAATCCCTGATTGTACAGGCGGGCAAACGCCG CAACATTCAAGCAAGCGAAGCGGAAATCGATGCCGTCGTCGCAAAAAAATCCCGCCCTCAA AAACCTCAGCCCGCCCAACGCCGCGATTTTGCCGACAACATCATTGCCGAAAAAGTCCG CCAGCAGGCAGTGATGCAGAACAGCCGCGTGAGCGAAGCTGAAATCGATGCCTTCCTCGA GCAGGCGCAAAAACAAGGCATCACCCTGCCCGAAGGCGCACCGTTGCGCCAATACCGCGC CCAACACCTGATTAAAGCCGACAGCGAAAACGCCGCCGTCGGCGCGGAAAGCACCAT CCGCAAAATCTACGGAGAGGCCCGCAGCGGCACAGACTTTTCCAGCCTGGCGCGCCAATA TTCGCAAGACGCGAGCGCGGCAACGGCGGAGATTTGGGCTGGTTTGCCGACGGCGTGAT GGTTCCCGCCTTTGAAGAAGCCGTCCACGCGCTCAAACCCGGACAGGTCGGCGCGCCCGT CCGCACCCAATTCGGCTGGCATATCATCAAATTGAACGAAGTGCGCGATGCCGGCACACC TCAGGAACGTATCCGCAATTCCGTGCGGCAATACATCTTCCAACAAAAAGCCGAACAGGC AACCGTCAACCTGTTGCGTGACCTGCATTCCGGCGCGTATGTCGACATCCGCTAAGGCGG TTTGAAGCAAAAAGCCATACCGATCGGCAAAAATCCGGGCGGTATGGCTTTTTGGATTTC GAGTTACTTTTACACCGTCATTCATCATTCCCGCGAAAGCGGGAATCTAGAAACGAAAAG TAACAGGAATTTATCGGGAATGGCTGGAGTTTAAAGGACTGGATTCCCGCCGTCGCGGGA **ATGACGGGATTTTGGGTTGTGGTAATTTATCGGAAAAAACAAAAAAACCTATGCCGTCATT** CCCGAGCAGGCGGGAATCCGGTTATTTAAAACTGCAGAAATTTATCCGAAGCAACAA TCTTTCCATCGTCATTCCCGCGTAGGCGGGAATCTAGGACGTAGAATCTAAAGAAACCGT TTTATCCGATAAGTTTCTGTACCGAAGAATCTGGATTCCCGCTTTCGCGGGAATGACGGC GCATAAGTTCCCGTGCGGACAGACCTAGATTCCCACCTGCGTGGGAATGACGATTCAGAA GTTGCCTGAAACCTAAAAACTGAAACCGAACGAGCCGGATTTCCGCTTTCGCGGGAATG

ACGGGATTTTGGGTTGTGGTAATTTATCGGGAAAACGGAAACCCCTATGCCGTCATTCCC GCGCAGGCGGGAATCTAGGACGTAGAATCTAAAGAAACCGTTTTATCCGATAAGTTTCTG TACCGAAGAATCTGGATTCCCGCTTTCGCGGGAATGACGGCGTATAAGTTCCCGTGCGGA CAGACCTATATTCCCACCTGCGCGGGAATGACGATTCAGAAGTTGCCCGAAACCAAAAAA CTGAAGCCGAACGGTCTGGATTCCCGCTTTCGCGGGAATGACGGCGCATAAGTTCCCGTG CGGACAGACCTAGATTCCCACCTGCGTGGGAATGACGATTCAGAAGTTGCCCGAAACCAA AAAACTGAAGCCGAACGGTCTGGATTCCCGCTTTCGCGGGAATGACGGCGCATAAGTTCC CGTGCGGACAGGCCTAGATTCCCACCTGTGTGGGAATGACGATTCAGAAGTTGCCTGAAA CCTAAAAACTGAAACCGAACGAGCCGGATTCCCGCTTTTACGGGAATGACGGGATTTTG GGTTGTGGTAATTTATCGGGAAAACGGAAACCCCTATGCCGTCATTCCCGCGCAGGCGGG **AATCTAGGACGTAGAATCTAAAGAAACCGTTTTATCCGATAAGTTTCTGTACCGAAGAAT** CTGGATTTCCGCTTTCGCGGGAATGACGGCGCATAAGTTCCCGTGCGGACAGACCTAGAT TCCCACCTGCGTGGGAATGACGATTCAGAAGTTGCCTGAAACCTAAAAAACTGAAACCGA ACGAGCCGGATTTCCGCTTTCGCGGGAATGACGGGATTTTAGATTGCGGGTATTTATCGG GAACGGCGGCTTGGAAGTTCATTGAAACGGAAAACAACGGAAACCCAAAAAACCGGATT CCCGACTGTGGGAATGATGAGATTCAGGTTTCTGTTTTTGCCGGAGTTTGCCGTATCGGG CTTCAGACGGCATTGCCTGCCGTTGTACCCGCGGGTGCGACTGCCTTGATGTAGTTGAGC GAGACAAACTGCTTCTCGGCATCCAATTCGGTGATTTTGAACAATGCCTGTGATTTGGGC AGTGCGTCAAACGGAATACCGGTCGCGCGCGTGACCAGCGGCAGGCCTTCGATGCGGACG AGGTCTTCTTTGAGGATGGTCGCGGTCAGCTCGCTTGTACCTTGCTGTTGCAGGTACACA AGGCTCCAGTAGGCTTCCATCTGCCGTTGGAAATCGGCGTAGGCGGTATAGGCGGCATCA **AAGTCGCGCAGTGCGGCAAAAGCTCGGCATCGCTGTTTTGATACAGCGGCTCGGCAGTG** GAGGTAAACCAGCCGTAATGCTGCACGCCCATGCCGATATGCGGCTCGGATTTGGTGCTC ATGCGTACTTTTCCGGTGGGTTGGACGCGGAAGAGGCCGGGCAGGTCGTTGTCATGGAGC ATTTGTGCCCAAGTGCTGTTGGCAAGAATCATCATCTCGCTGACCAGCGTATCGATGGGT GAGCCGCGTTCGCGGCGGACGACGGATACCTTGCCTTCCTCATCCAATTCGATGCTGTAA TCGTATTGCGGCGCGGTCGGGTTCGTATTTGCCGCGCGCTTTTTGCAGGGCGGTGGCG AATTGATAGAACCAAATCAGGTCTTGATGGTGGGCGAACATCATTTCGCCGGCTTCGTCC AAGCCGGTTTCGGCGTTGAAATGCGGCTCGATGGCTTGGATACGCAGGTTTGTGGCGATG TTGACCGCTTCGATTTTGCAGGTCGGCGCCGCCGTTGAACTCGCCGTCCACATCGAAA TAAATGCTGACGGCAGGGCGGTGTGCGCCTGCATCAAGGCTGAACGCGGCAATCCAGTTT TCGGGCAGCATCGTGATTTTGCCGCCGGGGAAATAAACCGTGCTCAAGCGTTCCATGATG TTTTTTTCCATTTTGTCGCCCGGTTTAACGGCAAGTGACGGCGGCGATGTGGATGCCG ACACGCTTCGTGCCGTTGTCCAAGTCGGTCAGGCTTAAAGCGTCGTCCACTTCGGTGGTT GATTCGTCGTCAATGGAAAAGGCGGTAACGTCGGCCTTGGGCAGGTCGGGCATTTCGGGA AGGGCAAGGTCGGGGAAGCCTGTTCCTTTAGGGAAGTATTTGATTTCAAACCCGTCTTGC AGGTATTGGGGAATGGACGTAATGCCGCCCGTTTTTTTCGCCAATTCGTAGGCAGAGGTT TTCAGCGCGTCGGCGGCTTTGGTAAAGGCTTTGTAGGTCAGCGACTGCTTGTCGGGCGCG TGCAGGATGGTTTTCAAATCCGCCGCGATTTCAGACGGCATCTCGCCGCGTTTCAAGGCT TCTGCCCAAGCGTCGATTTGCGCGTCTTGCTGTTTTTTGCGTTCGATGGCGGCAAGTGCT TGTTTTAAAGTTTCTTCGGGCGCGCCTTTGAACACGCCTTTGGCTTTTTTGTAGAAATAC ATCGGCGCGCGTAAAGCGCAATCAAAGTTGCCGCCAGCTCGGTTTTGGTCGGCGCATGG CCGTAATATTCTTCGGCGATGGCTTCGGCGGTAAATTCCTCTTCGCCGCATACTTCCCAC AATAAATCGGTGTCGATGTCCGCCGCCTGTGCCTGCGCGTTTTCCAAAAACGCCGCCATA TCGCCGTCAAACTCGGCAAAGACGTTGTTCGCCTTCACTTTGGTGCGTTTGCCGTGTGGG GTATCGACTTGGTAGGTGGCATCGTTTTTTTGGATGATGGCGGCGATTTTGAATTGGCCG GACTCTTCGTAAAAAATATTCATTTTTCGGATTTTTCTGTGGAAACTCAAGCGGGCGATT TTAGCAGATTACCGAAAATGCCGTCTGAAAAAAGGTTGGGAGAGGGTTGGCGCGGCTTTG CGGTGCTTGCGTTATAGTGGATTAACAAAAACCAGTACGGCGTTACCTCGCCTTAGCTCA AAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTAC TGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATACGTTTTTGACGGT GTACAATCGCTGTTTTTGAACGGAGGATGGAATGGAGAATACAAACCGTGTGCCGGAGCA **AGTCAGTATCTTCGGCAGCGCGCGCACGCCGCAGAATCATGCGGATTATGCGTTCGCCTG** GATTATGGAGGCGCAAACAAGGGCGCGTTTGCAGGGAAGTCGGTTTCGGTGGGGCTGAA CATCGTTTTGCCGCACGAGCAGAAACCGAATCCGTATCAGGACATCGCCTTGCGGTTTTC CCGTTTTGCCGAACGCAAGGCGTGTTTTTCCGCTATTCCCAAGCATATGTCGTGATGCC GGGCGGCTTCGGGACGCTGGACGAATTGTTTGAAATCCTGACCTTGGTGCAGACGGGCAA AGTGCCGCCGCGTCCGATTGTTTTGGTCGGAAAGGCGTTTTGGTCGGGCTTGGCGGAGTG CATATCGGACGATGAAGACGAAATCGTTGCGTATCTGTCGGAACACGGGCTTCAGACGGC ATAGCGTCCTGAGAGTGATGTATAATTGCAAACAATTTAACAATTTTTGATGTCTTTCCC GAACAGGATGCCGAAATGATCAACCCCATCGCCTCGCTTTCCCCTTTAGATGGCCGTTAT GCCCAATCCGTTGAAGCATTGCGCCCGATTTTTTCCGAATACGGCCTGATGAAGGCGCGC GTCAAAGTCGAATTAAACTGGCTCAAAGCCCTCGCCGCCGAGCCGAAGATTGCCGAAGTG CCGCCCTTCAGTGCCGAAACGCTTGCCGAAATCGACACGGTGATTGAAAACTTTTCATTG GAAGACGCGGCCGCCAAAGCCATCGAAGCCACCAATCACGATGTCAAAGCCATC ATCCACTTCGCCTGCACCAGCGAAGACATCAACAACCTGTCCCACGCTTTAATGCTGCAA GAAGCGCGTGAGGCTGTTTTGCTGCCGAAGCTGGCCGAAATCATCGAAAAACTGACCGCT ATGGCGCACGACCTTGCCGCCGTCCCGATGATGAGCCGCCACCGCCACGCCACGCCACGCCACG CCGACCACTTTGGGCAAAGAAACCGCCAATGTCGTGTACCGCCTGCAACGCCAGTTTAAA AACCTGCAAGCGCAAGAGTTCCTCGGCAAAATCAACGGCGGGTCGGCAACTACAACGCC

CATATGGTCGCCTATCCTGATGTAGATTGGGAAACCCACTGCCGCAACTTCGTCGAAATC AGCCTCGGTCTGACCTTCAACCCCTACACCATCCAAATCGAACCGCACGACTATATGGCG GAATTCTTCCAAACCCTCAGCCGCATCAACACGATTCTCATCGACTTTAACCGCGACGTT TGGGGTTATATTTCATTGGGTTACTTCAAACAAAAGTCAAAGCAGGCGAAGTCGGTTCT TCCACCATGCCGCACAAAGTCAACCCCATCGACTTTGAAAACTCCGAGGGCAACCTCGGT ATGGCAAACGCCGTATTGGGCTTTTTGTCCGAAAAACTGCCGATTTCCCGCTGGCAGCGC GACCTGACCGACACCGTATTGCGCAATATGGGCGTAGGCGTGGGCTATGCCGTATTG GGTTTCGCCGCCCCCCCCGCGCGTCTGAACAAGCTCGAACCCCAACCCCGCCGCGCTTGCC GCCGATTTGGATGCCACTTGGGAGCTGCTCGCCGAGCCGATTCAAACCGTAATGCGCCGT TACGGTGTCGCCAATCCTTACGAAAAACTGAAAGACCTGACGCGCGGCAAAGGCGGCATC ACGCCCGAAGTGCTGAAAGGCTTTATCGGATTGCTGGAAATCCCCGCCGAAGCCAAAGCC AAATTGCTTGAGCTGACCCCCGCGCTGTATGTGGGCAAGGCTGAAGCGTTGGCGAAACGG ATTTGAGCGTTTACTGAAACCGATGCCGTCTGAACGCGCGTTCAGACGGCATTTTTAAGA TAACGGGACATACGGGGGGGATATTTATGCAAGCTGTCCGATACAGACCGGAAATTGACG CCGGAGGATTCCTGGGGGTGGACATTTTCTTTGTCATCTCAGGATTCCTCATTACCGGCA TCATTCTTTCTGAAATACAGAACGGTTCTTTTTTTTTCCGGGATTTTTATACCCGCAGGA TTAAGCGGATTTATCCTGCCTTTATTGCGGCCGTGTCGCTTGGCTTCGGTGATTGCCTCTC AAATCTTCCTTTACGAAGATTTCAACCAAATGCGGAAAACCGTGGAGCTTTCTGCGGTTT TCTTGTCCAATATTTATCTGGGGTTTCAGCAGGGGTATTTCGATTTGAGTGCCGACGAGA ACCCCGTACTGCATATCTGGTCTTTGGCAGTAGAGGAACAGTATTACCTCCTGTATCCCC TTTTGCTGATATTTTGCTGCAAAAAACCAAATCGCTACGGGTGCTGCGTAACATCAGCA TCATCCTGTTTTTGATTTTGACTGCCTCATCGTTTTTGCCAAGCGGGTTTTATACCGACA TCCTCAACCAACCCAATACTTATTACCTTTCGACACTGAGGTTTCCCGAGCTGTTGGCAG GTTCGCTGCTGGCGGTTTACGGGCAAACGCAAAACGGCAGACGGCAAACAGCAAATGGAA TGCTTATCCGGAGTATGCAATACGGGACACTTCCGACCCGCATCCTGTCGGCAAGCCCCA TCGTATTTGTCGGCAAAATCTCTTATTCCCTATACCTGTACCATTGGATTTTTATTGCTT GGAAGATGACCTTCAAAAAGGCATTTTTCTGCCTCTATCTCGCCCCGTCCCTGATACTTG TCGGTTACAACCTGTACGCAAGGGGGGATATTGAAACAGGAACACCTCCGCCCGTTGCCC GGCGCGCCCCTTGCTGCGGAAAATCATTTTCCGGAAACCGTCCTGACCCTCGGCGACTCG CACGCCGGACACCTGAGGGGGTTTCTGGATTATGTCGGCAGCCGGGAAGGGTGGAAAGCC AAAATCCTGTCCCTCGATTCGGAGTGTTTGGTTTGGGTAGATGAGAAGCTGGCAGACAAC CCGTTATGTCGAAAATACCGGGATGAAGTTGAAAAAGCCGAAGCCGTTTTCATTGCCCAA ATACCCGGGTTCCCAGCCCGATTCAGGGAAACCGTCAAAAGGATAGCCGCCGTCAAACCC AAAAGATTTGCCGCAAACCAATATCTCCGCCCCATTCAGGCTATGGGCGACATCGGCAAG AGCAATCAGGCGGTCTTTGATTTGATTAAAGATATTCCCAATGTGCATTGGGTGGACGCA CAAAAATACCTGCCCAAAAACACGGTCGAAATATACGGCCGCTATCTTTACGGCGACCAA GACCACCTGACCTATTTCGGTTCTTATTATATGGGGCGGGAATTCCACAAACACGAACGC TTTGGCAGCCTATGCCGCTGTTTGCCGTTCGGGGCGGCGCTTTTATAGTGGATTAACAA AAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTG GTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGG TTTTTGTTAATCCACTATATTTTGCCGTTTTGAGGCCGGGGTCGGAATAACCGTTTTTTG ATGATTTTCCCTCCCCGGCTGTGTCATCAAAACCCCAATTGCCTTTCCAAACTCTCCACC GACAAATCGGCACAGACCAACCTTGCCGCCAGATAGGCCTCCGCCGCCAACGCCTCATCG TTGCCGACGGCGGCGATGTCTTCGATGCTTGCGGGAAGGCGGTATTCGGCGGCGAGC CATGCGGCAGTTTCGGGGTCTGTGCCGCTTTCCTGTTCGATAGTCCGGCGTTCGGCTTCG TCTATCATGCCGTCTGAAGCGGCGGCGGCTATCATGGTGCGCAATACGGTACGGCTGTAT TTTTGCTGCCACATCTGATAGCCCCGGTAGGCGAGGTAGCCCAAAGCGGCGGTCGAACCG ATTTTGGTGATGGTTTTGCGGTTTTTACCGTTCAGCAGCATGGAGGCGACACCGGCAACC ACCGTGCTTAAGACTTGGTTGAGCAGTCGGGTAAAGTTCATGAATTTTTCCTTTCTGTTG TGGCCGTACCGCTGTTTTTGATGCGGTTGTCGAGGATGGTTACGCGGCCGTAGTCTTGT TCGGTGCGGATGAGGCGGCCGACGGCCTGGATGAGTTTGATGCCGGCTTCGGGGACGGTG ATTTCGATGAAGGGGTTGCCGCCGCGCTGTTCTATCCAGCGGTTTTGGGTTTTTTCGATG GGGTTGTCGGGCATGCCGAAGGGAAGTTTGGCGATGATGACTTGCACGCAGGCGGTGCCG GGCAGGTCGAGTCCTTCGGCAAAGCTGTCGAGTCCGAAGATGATGCTGGCTTTGCCTTCT TCTATGGCCCGGTGGTGTTTTTGCAGGAGGACGGCTTTGGGTAATTCGCCTTGTACGAGC GAAAACAAGACGAGCGTGCCGATGGCTTCGGTGGGCGAAATAAGCTTGGGCAGCCATTCG ATGACGCCGCCGTGTGGGCTTCGGGGTCTTTGGGGCTGGCGTATATGGGGGGGATGTAG AGTTCGCCCTGTTTTTCAAAGTCAAAGGGGCTTTTTGAGGGCGAGGGTGGTTTCGGGC AGCCATTGCAGCCCGGTTTGGCGCAGCATCAGGTTGAAGTTGCCCAAGGATTGCAGGGTG GCGGAAGTCAATACCGCGCCTGCCGCACGCCCACAGGCTGTTGGCAAGGTGGGATGCG CTGCTGATGGGGCTGGCGTTGAAAATGTAGTCGTTTTTTGTCGTCGGCGGCGGGGTTATC CATTTCGCCAACGGTTCTTCACCCTCGAGGGGGACAGTGGAGAGCAAATCCCAAACCGCG

CTGATTTGTTCGATACGGCGATAAAAAGACCGAACTCGCTGGTCAGGCGGTCGAGGAGC GCGCCGTCCTGTTCTTTTCGCGGCGTGCGGCAGAAAGCGCATCGTTCAGCCCGATAACG TGTTTGAGCAGGCTGCGCGCAGCAATGGCCGTATTGGAAACGGTGGTTTCGAGGCCTTCG GGGATTTTGCCGTCTTCCCACAGCCAAGTCGGTTCGCTGTTGGTTCGTCTTTTCA GACACCCCAGACTTAAAGACGGCTCTTCCGCCAAATGGAATTGCCATTCATGCAGGCTG TCGAGCAAGGATGCGGCGGCTTCGTCGGCTAGGTTGGCAAGTTCGGCTTTATCGGTCAGC GCGGCAATTTTGCCGGTCAGCTGCGGCAGTTTTTCCAGCGTCCAAACGGCAATATTCCAT GAATGTTCGGCGGCAAAACGGCTGAGGGCTTTTTTTGGGCAGGTGGTGCGCTTCGTCGATG CAATAGAAACTGTTTTCGGGCGCAGGCAGAATCACGCCGCCGCCCATACTGATGTCGGCA AGCAGAAGATCGTGGTTGGCAACGACGACATCGACGGTTTCCAAGACATCGCGTGCTAGG TAAAACGGACATTCCGGACGGTTGGGACAGGCGGTTTTCAGGCAGCCGTGGCGGTCGTTG GTCACTTTGAGCCAAATCGCGTCATCGATTTTTTCCGGCCAAGTGTCGCGGTCGCCGTTG AACCGTCGGGCGAAAATTCGTCGGCGATGTCGCGCAGCAGCTTCAATTCTTCGGGCTTG GGTTTGCTGTCCCACAAGACGGCGGGGGCTTCAAAGCCGAGCAGGTTTTGCTGGGCATTG CTTTGCGTCAGTCGATAGAGTTTGTAGGGGCAGAGATAGCGGCCGCCCCTTTGGCAAGT GCGAAGGTCAGTTCCAAACCGCTTTTTTCGACCAGAAACGGCAGGTCGCGGTCTACCAAC TGCTCCTGCAAGGCAACCGTCGCGCTGCTCACAATCAGCCGCTTGCCGCGTGTTTGCGCC ATGATGCCGCCGGCCAAAAGGTAGGCCAACGATTTGCCCACGCCGGTCGGCCCTTCGATC CCGGGCAGGTTTTTGCCGATGTTTTGGTAATGGTCGCGGATGGCGTTTTTTTCTAAATCG GTGAGCATGGCGTTTTGTACGGCGGTAGAAGTGGGCTTATTTTAACATTGCACGGAAGCG GTACAATATCGTTGTCGGAATGGGGGGTGAGGTGAATCGTGCGGACGTGGTTTTTT GGTTGCAGCGTTTGAAATACCCGTTGTTGCTTTGGATTGCGGATATGTTGCTGTACCGGT TGTTGGGCGCGGGAAATCGAATGCGGCCGTTGCCCTGTGCCGCCGATGACGGATTGGC AGCATTTTTTGCCGGCGATGGGAACGGTGTCGGCTTGGGTGGCGGTGATTTGGGCATACC TGATGATTGAAAGTGAAAAAAACGGAAGATATTGAGTCATTCGGACGCAATGCCGTCTGA AACGGAAGTTCAGACGGCATTTGTTTTAGGTTGCCGTACCGCTTAGGGAATACCGGCGAC AGGATGGGCGGGATAGCCGTGGGTATCGACCGAACAGGCAAACCGCCAAGGCGTGTGGAC GGTGTCGGCGACAGGTGGGCAAGCTCGGGAATGTGCCGTCTGACAAAGGTGCCGTCGGG GTCGGTTTTGTGTGCGGCGGCGCAATGTCGGGGCAGGTGTGCCGTGAGGCGGCAAGCCG CCAGTTGCCTTGGTTGATTGCTGCATCGAAATCGGTCAGCTGTCGGGCAAACCATATCTC GCCTTCGCGGCGGGGGGGGTTTAAAACGTGGCAGAAAAAATCCGCGCTCAAGCGTCTCAG GGCGGGGTGGAGGCTGCCGGTTTTGTGCAAACAGCGCATCGCGGCATCGATAATCGGAAT GCCGGTCCGGCCCTGCTGCCAAAGCGTCAGGCGCAGGGTGTGTTCAGGATTGCCGTCTGA AGGGTCGTCATCCGTGTGCTGCAAGGCAAGTTGAAGGAAAAAATCGCGGCGGATGATGTT GTCCGCCCACGCGTTCAGACGCGTTCGAGGCTTTCCCGCGCGAGCAGCCGCGGCGAGAT GCAGCCGGCACTCAAATACGCGCCCATCAGCGAAGTGTGTTTGCGCGAGGGGAAATCCTT TAAAACGGAGTAGGAATCCGCCTGTTCGAGAAACCGCCGCCACTGCCGCCAAGCCGCCGT TTCGCCGCTGTTTTGCGGCAGGAAGATGCCGTCTGAAAGCGCGGCAGGCTGCGGGGCGGA AAGGTTTTCGGGGAAGGGTTGGCGGTATGCCGCGAATAGGTCCGGACCGGCGGGGGGGTTG CTTGGAAAAGCGGTCGAGCCATACTTCGCGGTAGCGGTCGAAATCGGCATATGCCGTGCC GCCGTCGGGTATCAGGTCGGTTTTGCCGAAAACGGCGCGGTCGTTGACGAAGGTTAACGC GATGCCGTGTTTGTCCAATTCGTGCCAAAGGGCGTTGTCGGCGAGTTTGTCGGCAAAAGT ATGGGATTCGTCGGCGATGACGGTGCGGATATTGAGGCGGACGGCCGGACCGGCCGACCTC GGCAGGAGATGCCGCCGTGTAGAGCGGGATGCCGCGCCCTGCAAGCCCTTGGGCGAGTTC GGCGGCGGATTGGCGGTAGAACGCGGCGCGCGGGGGGTTGTCTGTTTCGGCATCGTCAAT CCAAATGCCGATAATGGGCAAACTTCGGCAACGGCGCGCATAAGGCGGCGTTGTCGCGG ATGCGGAGGTTTTGGCGGAACCAGACGAGCGTGTGTGCGGCGCACGTGTCCGCATAAAGG GGGCGGGCGTTTCAGACGGCATTTCGGCAGCCTTTCCTGCTGGCGATTTTTTCGTTCAG AAAATCGATGAAGCTGCGGACTTTCGCGCTTAAGAATGCCCTGTCTGCATAAACGGCATT CAGCCGGTCGGTCGGGACGCGTATCCGGGCAGCCAGCCTCACCAGCGTGCCGCAGCGCAA GCGCATCATCAGCGTGTTGTCGGTACGGATGACGGGGGTCAGTTCAAGCCGGTATTTTTT GGGCAGCCCGCCACTTCTTCCGGCGTTTCCGGCACGCCGTTGCGCCTCAGGAAATCGGG CGAGGCGAGCAGGGCAAATTCGATTTCCGCCAGTGGGCGCGCAATCAGCGACGGGGACAG GGTTTGGGAAACGCGAACGCCAAATCCACGCCTTCGGCAATCAAATCGACGTGGCGGTT GCATATCTGGCTGCCGGCAAACCACAGCGGCATCGTTACGCGCAGCAGCCCCTGCGGTTT TTCCGTCCCCCGGCGGCTTTTTGCGCGGCATCGTCGAGCGTGTCGAGCGCGTAACTGCA TTGCCGGTAGTATTCTTCCCCGGCTTCGGTCAGGCTGAGGTTGCGGCTGTTGCGGTGCAG GATGCCGAGCGCGTCGGCGGCGCGGGTGAAGCCGCCGCTTTGGACGACTTGGCGGAAAAC CTTGAGGCTGAACAGGGTGTCCATATTTTCTTGTGTGGAAAAGTTGTATCAATAAAAGCA GTATATATTTGAAAAGGGGAAACATCTATACTCTACCGCCTGAAATGAAGACAAATATCA AAGGAGCTTTTATGTCCGATTGCTGCAACCGTATCCAACCGGTTTTGCTTTTTGC GTATCGTAACCGCCTACCTGTTTTTGTTGCACGGTACGTCGAAAATCTTCGCCTTCCCCA TTGAAATGGGCAGCGGTTCGCCCGGCGGGCTGTTGCTGCTGCCGGTATTTTAGAAATTG TCGGCGGCATTTTGCTGGTGTTGGGCCTGTTTGCGCGCCCTGCCGCGTTTGTTTTGTCCG GCCAGATGGCGGTTGCCTATTTTATGGCGCACGCTTCCGGAAATGCTTTGTTCCCGATTG CCAACGGCGGCGAGTCCGCAGTGCTGTTCTGCTTCGTATTCCTCTATATCGCGGCGGCGG GCGGCGGAGCATGGTCGCTGGACAGGCTGTTTTTCAAGCGTAAAGCCTGAATCGGACTGC .CTAAAGTGTATTTTGTTGAATGTTTTTGAGGAAAAGAAATGACCCGTCAATCTCTGCAAC

ATGAAGTTGTCCAAATCGTCGAACACGCCGTTTTGCACACCCTTCTTCGTTCAATTCCC AATCTGCCCGCGTGGTCGTGTTTTGGCGAAGAGCATGATAAGGTGTGGCAATTTGTCG ACCTGTTTAAGGCGGGTGCGGCAACCATTTTGTTTTATGAAGATCAAAATGTCGTCAAAG GTTTGCAGGAGCAGTTCCCTGCTTATGCCGCTAACTTCCCCGTTTGGGCGGATCAGGCAA ACGCGATGGTGCAGTATGCCGTTTGGACGACACTTGCCGCGGTCGGCGTAGGTGCAAACC TGCAACATTACAATCCCTTGCCCGATGCGGCGATTGCCAAAGCGTGGAATATCCCCGAAA ACTGGTTGTTGCGCGCACAAATGGTTATCGGCGGTATTGAAGGGGCGGCAGGTGAAAAGA CCTTTGAACCCGTTGCAGAACGTTTGAAAGTGTTCGGCGCATAATTTCGCGGTCAAAAAA ATGCCGTCTGAACCCTGTTCAGACGGCATTTTTCAGTATCAGGCGGCGAGTTTTCCGCAT TCTGAGACCTTTGTTTACAAATATCATGTTCAATATAGTTAAAAGAAATTATTCTCATTT CCTCCGTGAGGCAATATAATTCGGTTGTTTTGTTAAATTGAGTATAAAAATGAAAATATC TACGCAGGACAATGGTGAACATTACACCGCCACTCTGCCCACCGTTTCCGTGGTCGGACA GTCCGACACCAGCGTACTCAAAGGCTACATCAACTACGACGAAGCCGCCGTTACCCGCAA CGGACAGCTCATCAAAGAAACGCCGCAAACCATCGATACGCTCAATATCCAGAAAAACAA AAATTACGGTACGAACGATTTGAGTTCCATCCTCGAAGGCAATGCCGGCATCGACGCTGC CTACGATATGCGCGGTGAAAGCATTTTCCTGCGCGGTTTTCAAGCCGACGCATCCGATAT TTACCGCGACGGCGTGCGCGAAAGCGGACAAGTGCGCCGCAGTACTGCCAACATCGAGCG CGTGGAAATCCTGAAAGGCCCGTCTTCCGTGCTTTACGGCCGCACCAACGGCGGCGGCGT CATCAACATGGTCAGCAAATACGCCAACTTCAAACAAAGCCGCAACATCGGAGCGGTTTA CGGCTCATGGGCAAACCGCAGCCTGAATATGGACATTAACGAAGTGCTGAACAAAACGT CGCCATCCGTCTCACCGGCGAAGTCGGGCGCCCAATTCGTTCCGCAGCGGCATAGACAG CAAAAATGTCATGGTTTCGCCCAGCATTACCGTCAAACTCGACAACGGCTTGAAGTGGAC GGGGCAATACACCTACGACAATGTGGAGCGCACGCCCGACCGCAGTCCGACCAAGTCCGT GTACGACCGCTTCGGACTGCCTTACCGCATGGGGTTCGCCCACCGGAACGATTTTGTCAA AGACAAGCTGCAAGTTTGGCGTTCCGACCTTGAATACGCCTTCAACGACAAATGGCGTGC CGAAAATGGCAACTTAATCAAACGTAACTACGCCTGGCAGCAGACCGACAAAAACCCT GTCGTCCAACTTAACGCTCAACGGCGACTACACCATCGGCCGTTTTGAAAACCACCTGAC CGTAGGCATGGATTACAGCCGCGAACACCGCAACCCGACATTGGGTTTCAGCAGCGCCTT TTCCGCCTCCATCAACCCCTACGACCGCCCAAGCTGGCCGGCTTCGGGCAGATTGCAGCC TATTCTGACCCAAAACCGCCACAAAGCCGACTCCTACGGCATCTTTGTGCAAAACATCTT CTCCGCCACGCCCGATTTGAAATTCGTCCTCGGCGGCCGTTACGACAAATACACCTTTAA TTCCGAAAACAAACTCACCGGCAGCAGCCGCCAATACAGCGGACACTCGTTCAGCCCCAA CATCGGCGCAGTGTGGAACATCAATCCCGTCCACACACTTTACGCCTCGTATAACAAAGG CTTCGCGCCTTATGGCGGACGCGGCGGCTATTTGAGCATCGATACGTTGTCTTCCGCCGT GTTCAACGCCGACCCCGAGTACACCCGCCAATACGAAACCGGCGTGAAAAGCAGTTGGCT GGACGACCGCCTCAGCACTACGTTGTCTGCCTACCAAATCGAACGCTTCAATATCCGCTA CCGCCCGATCCAAAAAACAACCCTTATATTTATGCGGTTAGCGGCAAACACCGTTCGCG CGGCGTGGAATTGTCCGCCATCGGGCAAATCATCCCCAAAAAACTCTATCTGCGCGGTTC AAACCTCTACGGCGAAATCGGCGTAACCGGTACAGGCAAACGCTACGGTTACAACTCAAG AAATAAAGAAGTGACTACGCTTCCAGGCTTTGCCCGAGTTGATGCCATGCTTGGCTGGAA TTCGGACTCTATGCCGGGTAATCCGCGGGGCTATACTGCCCGGGTAAATTACCGTTTCTG ATGAAATCAGGCAAAGGCTGAAATAAAACTAAACACATTTTTTCACTCAAATCGAACACG CCTTCAATAAAATGCCATAAAATCCGCACATTAATCTGACACACAAGAGATACCTATGAA ACTGAAAACCTTAGCTTTGACTTCATTGACCCTGTTGGCATTGGCCGCTTGTAGCAAACA GGCTGAAACCAGTGTTCCGGCAGACAGCGCCCCAAAGCAGCTCATCTGCTCCGGCAGCCCC TGCTGAGTTGAACGAAGGTGTGAACTACACTGTATTGTCTACGCCTATTCCGCAACAGCA GGCCGGTAAAATCGAAGTATTGGAATTTTTCGGCTACTTCTGCCCGCATTGCGCCCATCT TGAGCCGGTCTTGAGCGAGCACATCAAAACGTTTAAAGACGATACCTATATGCGCCGGGA GCATGTCGTGTGGGGTGATGAAATGAAACCTTTGGCACGTTTGGCGGCCGCAGTGGAAAT GGCCGGTGAATCAGATAAAGCCAACAGCCATATTTTCGATGCGATGGTTAATCAAAAAAT CAATCTGGCCGATACCGATACCCTGAAAAAATGGCTGTCCGAGCAAACAGCGTTTGACGG CAAAAAAGTATTGGCTGCATTTGAGGCTCCTGAAAGCCAAGCGCGTGCGGCTCAAATGGA **AGAGTTGACCAATAAATTCCAAATCAGCGGCACACCGACTGTGATTGTCGGCGGCAAATA** CCAAGTTGAATTTAAAGACTGGCAGTCCGGTATGACCACGATTGACCAGTTGGTGGATAA AGTACGCGAAGAGCAGAAAAAGCCCGCAATAAGTTGAGGATTGAATGAGTAAAGGCCATCT GAAAATAGGATTTCAGACGGCCTTTTGTATTTAGGCTTTATAGAAGAGATGATTGCTTAA AGCCTTATGGTTTTAAATCAGAATATATAGCGGATTAACAAAAACCAGTACGGCGTTGGC TCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCC GTACTATCTGTACTGTCTGCGGCTCGCCGCCTTGTCCTGATTTTTGTTAATCCACTATAA ATCAGAATATAAAACAAAAACGCCGTCTGAAATTTCAGACGGCGTTTTCTGTTAAATCGG CTTACAAACCCGGGAACATCCCTTTTATCCCCCTCATTCCTTTCGCCATACGCATCAGTT TGCCCAAGCCGTTGCCGCTGAACATCTTCATCATTTGTTGCATTTGTTCAAACTGTTTGA GCAATTTGTTCACTTCCTGCACGGTTGTGCCCGCACCCATTGCAATACGGCGTTTGCGGC TGGCTTTGAGCAGGCAGGGTTGGCGCGTTCTTTAGGGGTCATCGAGTTGATGATGGCTT CTACTTTGCCCATCGCTTTTTCAGCCGTTCCTTCGGGGATTTGTTTCGAGATTTGACCCA GTTCGCCCGGCATTTTCGACATCAGGTTTTCCAAACCGCCCATATTGCGCATTTGCTGGA TTTGTTCTTTAAAGTCGTTGAGGTCGAAGCCTTTGCCTTTGTGCAGCTTTTTCGCCATTT TAGCGGCGGCTTCTTCGTCTATACCTTTTTGAACGTCTTCAATCAGGGTCAATACGTCGC CCATACCCAAAATGCGGCCGGCAAGACGGTCGGGGTGGAAAGGTTCGAGGCCGTTGATTT

TTTCGCCGACACCGATAAATTTAATCGGTTTGCCGGTTACGTGGCGTACGGACAATGCCG CACCGCCGCGAGTCGCCGTCCATCTTGGTCAATACGACTCCGGTCAGCGGCAGGGCTT CATTAAATGCCTGAGCAGTGTTCACCGCATCCTGACCCAGCATCGCATCGATGACGAACA **AAGTTTCCACCGGGTTAACCGCCGCGTGAAGGGCTTTGATTTCGTTCATCATCTTCAT** CGATTGCCAAACGGCCGGCGGTATCGACCATCAATACATCGTAAAAATGTTTTTTGGCGT CCACGCCGACCTGTTCGGCCAACAGACGCAGCTGTTCAATCGCGGCAGGACGGTAAACGT CAACCGACAAATCCAGCGTTTTGTTTTCCCTGCCCATCAGTTCGGTCAGGGCTTTGTTGA CCACGCCGATAAATGCCTGATCCGGCGTCAGGCTGCCCGCTACTTCCTGACCGAGGGCCT GGGCGAGGCGGACTTCGCGCAAGGCCTCTTTAATATTGTCTTCGGTCAGTTTGGCCTGCC CCCGGATGTTTTTGAAGACATTGCTGAAGCGGCCGGTTAAATTGTCTAACATACTGGTCC TTGGTCTGAATAAGAATAGCTTGCCCCATCAGGGGCATTCTTTGTTAAAATAAAATCAAA ATAATTTGATGCGGCTTGTGTGCCGGACAGCATATCGGCAAATCCGTCAAGGCTTGACCG **AAATGGGGATTTTACAATTCCAACGTTAAAAGTTCCAATATTTCATAAGCGGCCGCATAC** GGCGCAACAGTATAGATAGAGAAAGTCCACCATGCCGACAGTTTTCATCTTTTTGACGGC GGTTTACGCAGGATTGGGTGCATTTGCATGGCACTGCCAACAGCAGGGGTGCGGCCGGGA TTACCCGTGGAAGACGGAATTGCCGGTTTTGGGTGCGGCATTGACCGTCCACGGCGCGC ACTGCTTATGCCGGTCATTCAAGACAAAATCATCATTATGGGCTTCGGGTATTCCGGCAG CCTGATTGTTTGGATGATGCTGTTTATTTATTTTGCCGGCAGCTTCTTTTATCCGCTGCG CGGAGTGCAGTTGCTGTATCCTTGCGCCGCACTGATGCTGCTGTCAGGTTTGGTTTT TCCTGGAAAATTCTCGGGATATGAAATTACCGACCTTCCCTTTATGCTGCATATCGGAAC TTCGCTGCTCGCATACGGGCTGTTCGGCATCGCAACATTATTGTCCGTTTTGACCCTGCT GCTGAATCGGAGCCTGCACCGCAGGAGCTTCTCCAAGCTCGCAGGATTCCTGCCGTCGCT GCTCAGTTTGGAAAAACTCATGTTCCAGGCCATGTGGGCAGGTTTCATCCTGCTGACCTA TTCCGTCGTCAGTGGAACATTTTTTGCCGAAGCCGTATTCGGCAAACCCATGACCTTTAC CCATAAAACCGTATTCGGCATATTGTCATGGCTGATTTACGGCGGACTGCTGCTCAAGCA CAGCATGACCGCATGGCGCGCAAAAAAGCCGCCGTGTGGACCATCATCGGATTTGTCAG CCTTATGATTGCCTATATGGGCAGCAAGTTCGTATTGGAAATCATTCTGAAAAGATAAGA AGAGCCAACAGATGCCGTCTGAGTCCCCGAGTTTCAGACAGCATATTCACAAAGGCGCAC CAGCCGGAGGAGGAGGAAAGGATTGTTGGAGGCGGCGCAGTATTTAGCAGAAATAAA **AAACCTTATCCGACAGCGACATGACGAATTTCCCCAAAAAAATCCCGCTGAAAGCATTGA** CCGTTTTTCCCTGTGGGCGTATAGTTCGGTTCTTCGCTGCAGAAGTGGCGGACGAAC ACTTTATAATTCGCAACGCTCTTTAACAAAACAGATTACCGATAAGTGTGAGTGCCTTGA GTCTCACACTGTTTGAAAGACAGACAAGATAATGTTTTGAACATTGTCCTGTTGGTTTCT TTGAAGCAGACCAGAAGTTAAAAAGTTAGAGATTGAACATAAGAGTTTGATCCTGGCTCA GATTGAACGCTGGCGGCATGCTTTACACATGCAAGTCGGACGGCAGCACAGAGAAGCTTG CTTCTCGGGTGGCGAGTGGCGAACGGTGAGTAACATATCGGAACGTACCGAGTAGTGGG CTTCGGGCCTTGCGCTATTCGAGCGGCCGATATCTGATTAGCTAGTTGGTGGGGTAAAGG CCTACCAAGGCGACGATCAGTAGCGGGTCTGAGAGGATGATCCGCCACACTGGGACTGAG ACACGGCCCAGACTCCTACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGCGCAAGCC TGATCCAGCCATGCCGCGTGTCTGAAGAAGGCCTTCGGGTTGTAAAGGACTTTTGTCAGG GAAGAAAAGGCTGTTGCTAATATCAGCGGCTGATGACGGTACCTGAAGAATAAGCACCGG CTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTG GGCGTAAAGCGGGCGCAGACGGTTACTTAAGCAGGATGTGAAATCCCCGGGCTCAACCCG AGCAGTGAAATGCGTAGAGATGTGGAGGAATACCGATGGCGAAGGCAGCCTCCTGGGACA ACACTGACGTTCATGCCCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTAGTCC ACGCCCTAAACGATGTCAATTAGCTGTTGGGCAACCTGATTGCTTGGTAGCGTAGCTAAC GCGTGAAATTGACCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAAGGAATTGACGG GGACCCGCACAAGCGGTGGATGATGTGGATTAATTCGATGCAACGCGAAGAACCTTACCT GGTCTTGACATGTACGGAATCCTCCGGAGACGGAGGGGTGCCTTCGGGAGCCGTAACACA GGTGCTGCATGGCTGTCGTCAGCTCGTGTGTGAGATGTTGGGTTAAGTCCCGCAACGAG CGCAACCCTTGTCATTAGTTGCCATCATTCAGTTGGGCACTCTAATGAGACTGCCGGTGA CAAGCCGGAGGAAGGTGGGGATGACGTCAAGTCCTCATGGCCCTTATGACCAGGGCTTCA CACGTCATACAATGGTCGGTACAGAGGGTAGCCAAGCCGCGAGGCGAGCCAATCTCACA AAACCGATCGTAGTCCGGATTGCACTCTGCAACTCGAGTGCATGAAGTCGGAATCGCTAG TAATCGCAGGTCAGCATACTGCGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTC ACACCATGGGAGTGGGGGATACCAGAAGTAGGTAGGATAACCACAAGGAGTCCGCTTACC ACGGTATGCTTCATGACTGGGGTGAAGTCGTAACAAGGTAGCCGTAGGGGAACCTGCGGC TGGATCACCTCCTTTCTAGAGAAGAAGAGGCTTTAGGCATTCACACTTATCGGTAAACT GAAAAAGATGCGGAAGAAGCTTGAGTGAAGGCAAGATTCGCTTAAGAAGAAATCCGGGT TTGTAGCTCAGCTGGTTAGAGCACACGCTTGATAAGCGTGGGGTCGGAGGTTCAAGTCCT CCCAGACCCACAAGAACGGGGGCATAGCTCAGTTGGTAGAGCACCTGCTTTGCAAGCAG GGGGTCATCGGTTCGATCCCGTTTGCCTCCACCAATACTGTACAAATCAAAACGGAAGAA TGGAACAGAATCCATTCAGGGCGACGTCACACTTGACCAAGAACAAAATGCTGATATAAT AATCAGCTCGTTTTGATTTGCACAGTAGATAGCAATATCGAACGCATCGATCTTTAACAA GTATCGACTTAATCCTGAAACACAAAAGGCAGGATTAAGACACAACAAAGCAGTAAGCTT TATCAAAGTAGGAAATTCAAGTCTGATGTTCTAGTCAACGGAATGTTAGGCAAAGTCAAA

GAAGTTCTTGAAATGATAGAGTCAAGTGAATAAGTGCATCAGGTGGATGCCTTGGCGATG GATCCCGCGATGTCCGAATGGGGAAACCCACTGCATTCTGTGCAGTATCCTAAGTTGAAT ACATAGACTTAGAGAAGCGAACCCGGAGAACTGAACCATCTAAGTACCCGGAGGAAAAGA **AATCAACCGAGATTCCGCAAGTAGTGGCGAGCGAACGCGGAGGAGCCTGTACGTAATAAC** TGTCGAGATAGAAGAACAAGCTGGGAAGCTTGACCATAGTGGGTGACAGTCCCGTATTCG AAATCTCAACAGCGGTACTAAGCGTACGAAAAGTAGGGCGGGGCACGTGAAATCCTGTCT GAATATGGGGGGACCATCCTCCAAGGCTAAATACTCATCATCGACCGATAGTGAACCAGT ACCGTGAGGGAAAGGCGAAAAGAACCCCGGGAGGGGAGTGAAACAGAACCTGAAACCTGA TGCATACAAACAGTGGGAGCGCCCTAGTGGTGTGACTGCGTACCTTTTGTATAATGGGTC AACGACTTACATTCAGTAGCGAGCTTAACCGAATAGGGGAGGCGTAGGGAAACCGAGTCT TAATAGGGCGATGAGTTGCTGGGTGTAGACCCGAAACCGAGTGATCTATCCATGGCCAGG TTGAAGGTGCCGTAACAGGTACTGGAGGACCGAACCCACGCATGTTGCAAAATGCGGGGA TGAGCTGTGGATAGGGGTGAAAGGCTAAACAAACTCGGAGATAGCTGGTTCTCCCCGAAA ACTATTTAGGTAGTGCCTCGAGCAAGACACTGATGGGGGTAAAGCACTGTTATGGCTAGG GGGTTATTGCAACTTACCAACCCATGGCAAACTAAGAATACCATCAAGTGGTTCCTCGGG AGACAGACAGCGGGTGCTAACGTCCGTTGTCAAGAGGGAAACAACCCAGACCGCCAGCTA AGGTCCCAAATGATAGATTAAGTGGTAAACGAAGTGGGAAGGCCCAGACAGCCAGGATGT TGGCTTAGAAGCAGCCATCATTTAAAGAAAGCGTAATAGCTCACTGGTCGAGTCGTCCTG CGCGGAAGATGTAACGGGGCTCAAATCTATAACCGAAGCTGCGGATGCCGGTTTACCGGC ATGGTAGGGGAGCGTTCTGTAGGCTGATGAAGGTGCATTGTAAAGTGTGCTGGAGGTATC AGAAGTGCGAATGTTGACATGAGTAGCGATAAAGCGGGTGAAAAGCCCGCTCGCCGAAAG CCCAAGGTTTCCTGCGCAACGTTCATCGGCGTAGGGTGAGTCGGCCCCTAAGGCGAGGCA GAAATGCGTAGTCGATGGGAAACAGGTTAATATTCCTGTACTTGATTCAAATGCGATGTG GGGACGGAGAAGGTTAGGTTGGCAAGCTGTTGGAATAGCTTGTTTAAGCCGGTAGGTGGA AGACTTAGGCAAATCCGGGTCTTCTTAACACCGAGAAGTGACGACGAGTGTCTACGGACA CGAAGCAACCGATACCACGCTTCCAGGAAAAGCCACTAAGCTTCAGTTTGAATCGAACCG TACCGCAAACCGACACGGTGGGCAGGATGAGAATTCTAAGGCGCTTGAGAGAACTCAGG AGAAGGAACTCGGCAAATTGATACCGTAACTTCGGGAGAAGGTATGCCCTCTAAGGTTAA GGACTTGCTCCGTAAGCCCCGGAGGGTCGCAGAGAATAGGTGGCTGCGACTGTTTATTAA AAACACAGCACTCTGCTAACACGAAAGTGGACGTATAGGGTGTGACGCCTGCCCGGTGCT GGAAGGTTAATTGAAGATGTGAGAGCATCGGATCGAAGCCCCAGTAAACGGCGGCCGTAA CTATAACGGTCCTAAGGTAGCGAAATTCCTTGTCGGGTAAGTTCCGACCCGCACGAATGG CGTAACGATGGCCACACTGTCTCCTCCTGAGACTCAGCGAAGTTGAAGTGGTTGTGAAGA TGCAATCTACCCGCTGCTAGACGGAAAGACCCCGTGAACCTTTACTGTAGCTTTGCATTG GACTTTGAAGTCACTTGTGTAGGATAGGTGGGAGGCTTAGAAGCAGAGACGCCAGTCTCT GTGGAGCCGTCCTTGAAATACCACCCTGGTGTCTTTGAGGTTCTAACCCAGACCCGTCAT CCGGGTCGGGGACCGTGCATGGTAGGCAGTTTGACTGGGGCGGTCTCCTCCCAAAGCGTA ACGGAGGAGTTCGAAGGTTACCTAGGTCCGGTCGGAAATCGGACTGATAGTGCAATGGCA AAAGGTAGCTTAACTGCGAGACCGACAAGTCGAGCAGGTGCGAAAGCAGGACATAGTGAT CCGGTGGTTCTGTATGGAAGGGCCATCGCTCAACGGATAAAAGGTACTCCGGGGATAACA GGCTGATTCCGCCCAAGAGTTCATATCGACGCGGAGTTTGGCACCTCGATGTCGGCTCA TCACATCCTGGGGCTGTAGTCGGTCCCAAGGGTATGGCTGTTCGCCATTTAAAGTGGTAC GTGAGCTGGGTTTAAAACGTCGTGAGACAGTTTGGTCCCTATCTGCAGTGGGCGTTGGAA GTTTGACGGGGGCTGCTCCTAGTACGAGAGGACCGGAGTGGACGAACCTCTGGTGTACCG GTTGTAACGCCAGTTGCATAGCCGGGTAGCTAAGTTCGGAAGAGATAAGCGCTGAAAGCA TCTAAGCGCGAAACTCGCCTGAAGATGAGACTTCCCTTGCGGTTTAACCGCACTAAAGAG TCGTTCGAGACCAGGACGTTGATAGGTGGGGTGTGGAAGCGCGGTAACGCGTGAAGCTAA CCCATACTAATTGCTCGTGAGGCTTGACTCTATCATTTGAAGAACTTCAAGAGATAAAAG CTTACTGACTGATTCAGTCATTACCGAATATATTGATTAAGGCTTTACCGATTTGTAACA GTTTAAGTTTGGCGGCCATAGCGAGTTGGTCCCACGCCTTCCCATCCCGAACAGGACCGT GAAACGACTCAGCGCCGATGATAGTGTGGTTCTTCCATGCGAAAGTAGGTCACTGCCAAA CACCCATTCAGAAAACCCCCGATTATTCGGGGGTTTTTGCTTTGCCCGGAAAAAATGTTT GCTTTGCCCGGAAAAAATGTCGGTGATGGCGGGACGGCATCCGTACGGTGTCCGGTCGGG TTTGCGGAGGAACGGCTTGAAACTTTGGGATATTCATTTTAGAATGACTCGTTTTATCGT CGCAAGATGCGGTTTATTGTTTGCAACCCTTAAAGGAAAAACCATGAAGAAAATGTTCGT GCTGTTCTGTATGCTGTTCTCCTGCGCCTTCTCCCTTGCGGCGGTAAACATCAATGCGGC TTCGCAGCAGGAGTTGGAGGCGCTGCCGGGCATAGGCCCGGCGAAGGCCGAAGGCCATTGC GGAATACCGTGCGCAAAACGGTGCGTTCAAGTCTGTAGACGATTTGACCAAGGTAAAGGG AAAAGCCCCAGCCAAACCGGTGCTGCCCGCGGATAAAAAATAGGGGAACCTGTAAAGGAA AGGGCATCGGCCGCCGTCGGTGCTTTTTTGTTTGGAAGGGAAATGGCTAAAATATGTAGC ATTATGTTCTGTATCGTTTTACCGCTTCCGCACCTTTGTCCGCCTTAAAGCAGGTAGA CACCGCAATGAATCGACGCAAAGAAAATGCCGTCTGAACATGCGTTCGGGCGGCGTTTTG TTGGGGGGTATCGGAGCGGAACGTCTGAAAAAGGGTTTCAGGCGGTCTTTGGGCGTGTGG TGACAGTCGAAAACGTGATAAGGCTACCTGAAAAGTTTGGGAGATTTTCAGGTAGCCTTT GGTATTGGGCGCAACAGACGCAGGTACAGATTAGCGGTGTGCCGTAATCGTACGAATGCC GATTCAACCTAAGCAGACATCAGTATTTAGGAAGTGGATGTTTGATGGAGCAAAGGTTGT ACGAAGGGTGGAAGGCAACCTGTGGGTGTTTGGTATGGTCGCGCTTGAAAAACGTGTTT AACAGGAAAAGGCAGCAATATTCTGCAGTCTTCCTATTCACACAAGCGTTTTATAGTTAA TTAAAAACAAAATAGTACAATACTCAACTTTGAAGGTCTAACCATGGCATACTCTGCGGA CTTAAGAAACAAAGCTTTAAACTAGGGGCTGTACTAGATTAGCAGATATGTTACCCTCGA

CAGTACTGTTCTACCGTAAAATCCGCACGGTTATCAACCATCATTTGGCCTTGGCTGCCG ATGAGGTTTTTGAGGGCCCTGTCGAGCCGGACGAAAGCGATTTCGGCGGACGGCGTAAAG GCAGACGTGGTCGCGGCAGGAAAAGTGGTTGTCTTCGGCATTCTGAAACGCAACG GACGGGGCTATACCGTTGTCGTAGATAATGCCAAGTCTGAAACGTTACTCCCTGTCATCA AAAAGAAAATCATGCCGGACAGTATTGTTTATACCGATAGTCTGAGCAGCTGCGACAAGT TGGACGTGAGCGGTTTTATCCATTACCGCATCAACCATTCCAAGGAATTTGCAGACCGTC AGAACCACATTAACGGCATTGAGAATTTTTGGAATCAGGCAAAACGCGTCTTGCGAAAAT ACAACGGAATCGATCGTAAATCTTTCCCGCTGTTCTTGAAAGAATGCGAATTTCGATTTA ACTTCGGCACACCGTCTCAACAGCTTAAAATCCTGCGGGATTGGTGTGGAATTTAGGGCT **AATCTAGTACAGCACCTAACAAAAACCAGTACGGCGTTGGCTCGCCTTAGCTCAAAGAGA** ACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTG CGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATTTTAGATAATGCGTGATT TCACCGTATGGGTGTCTTACGGGAAATGGCGGAAAAATTGGGACATAAGGTATTGCCTCT TGCACCTTATTCACCTGAGCTCAACCCGATTGAGAAAGTGTGGGCGAATATTAAGCGGTA TCTGCGAACCGTTTTGTCTGATTACGCCCGATTTGACGATGCACTACTGTCCTATTTTGA TTTTAATTGACTATAGAACGTTGCGGCTACGCGGAAGCCGTACTCGTTGGATTTGGAGCG GCCCATTTTGGTTTTGTCACCGTCCAAGACAATCTCACGGGGTTTGTAGATTGTTTTGTG ACGGTAGTATGGATCAAACTCGAGACCGACGCTGTCGGTCAACTGTTTGCCTACATTCAG ACCGATACCGACACTCCAACCTTTGGCGCTTTTGCTGACATCGCGGGAAGCACCCATCTG GGTCGTCATCACTTTGGTTTTGCCGCGCAAATCTGCATATGCATCCGCCCAAGGGGTCAG GGATCATCCGTCCCCAAATCTTGGCGGATTTCGCCATGGACTTTCAAAGCAAGGTTTTC ATGCTTGGTAACGGTGTTTTTCCTTATCGCCGATGATGGCTTTGCCTTTGCCGTTAGACT CGGGAATATCGGCTACCGTAACGGCGGACACGGCTGCAAGTGAGAGTGCAAGCAGGGTTT TTTCATGTTTTCTTCCTATAATGAGGATAAATAAATGGAAAAAGTGTGGGAAATACCCG GACCTTTGCAAAAATAGTCTGTTAACGAAATTTGACGCATAAAAATGCGCCAAAAAATTT TCAATTGCCTAAAACCTTCCTAATATTGAGCAAAAAGTAGGAAAAATCAGAAAAGTTTTG CATTTTGAAAATGAGATTGAGCATAAAATTTTAGTAACCTATGTTATTGCAAAGGTCTCT CCTTGTGTATGAAATTTTGCCGGATGTGAAGGCGGAATCGGCAGCGGGGGTGTTCTGTAC GGTATTGTTTTTATCAATCTGTTTCTTTTTATTTGAAATAAAATTTCTAAAATAATAAAA **ATATGAAATTTAAAATCTATAAAAAAAGATATATCAGTTATTTTGAAATAAAATAGCTTT** GTAGTAATATGTTGCACTTGTTTGTGCAAGGTAAACGATGTAACCTAAGCCGCGTATAAA **AACCCATCAGGAAAGATGCAAGATGACACCACTTACCCCACAGACGATATTAAGATTAA** AGAAGTTAAAGAGTTGTTGCCGCCGATAGCCCATCTTTACGAGCTGCCGATTTCCAAAGA GGCTTCGGGCTTGGTTCACCGCACCCGTCAGGAAATTTCCGATTTGGTTCACGGCAGGGA CAAGCGGCTGTTGGTTATTATCGGGCCGTGTTCGATTCACGATCCGAAAGCGGCGTTGGA ATATGCGGAGCGTTTGTTGAAACTCCGCAAGCAGTATGAAAACGAGCTTTTGATTGTGAT GCGCGTTTATTTCGAGAAGCCGAGGACGACGGTGGGTTGGAAAGGTTTGATTAACGACCC GCATTTGGACGGTACGTTTGACATCAATTTCGGTTTGCGTCAGGCGCGCAGCCTGTTGTT GTCGCTGAACAATATGGGTATGCCTGCCTCTACCGAGTTTTTGGATATGATTACGCCGCA ATATTATGCGGACTTGATTTCTTGGGGGGCAATCGGTGCGCGGACGACCGAAAGCCAAGT CAATTTGAAGATTGCCATCGACGCAATCGGTGCGGCGAGCCATTCGCATCATTTCCTGTC TGTAACCAAGGCCGGCATTCCGCCATTGTCCATACCGGCGGCAATCCCGACTGTCATGT CATTTTGCGCGGCGCAAAGAGCCGAATTATGATGCGGAACACGTCAGCGAGGCGGCGGA ACAACTGCGTGCGGCAGGGGTAACCGACAAGCTGATGATAGATTGCAGCCACGCCAACAG CCGCAAGGATTACACTCGGCAGATGGAAGTGGCACAAGACATTGCCGCCCAATTGGAACA GGACGGCGCAATATCATGGGCGTGATGGTGGAAAGCCATTTGGTCGAAGGCAGACAGGA CAAGCCGGAAGTGTACGGCAAGAGCATTACCGATGCGTGTATCGGTTGGGGCGCGACTGA TTTTTGACGCAGAATGTCATAAAATGTCGTCTGAAGCGTTCAGACGGCATTTTTGTGGAG GAAATATGCTCAAAATAACCCTAATTGCGGCGTGTGCGGAAAACCTGTGCATCGGGGCGG GCAATGCTATGCCTTGGCACATCCCCGAAGATTTCGCATTTTTCAAAGCCTATACCTTGG GCAAACCCGTCATTATGGGGCGGAAAACGTGGGAATCCCTGCCCGTCAAACCCCTGCCCG GACGGAGGAACATCGTCATCAGCCGGCAGGCGGATTATTGCGCGGCAGGCGCGGAAACGG CGGCAAGTTTGGAGGCGGCATTGGCATTGTGCGCAGGCGCGGAAGAAGCCGTCATTATGG GCGGCGCGCAGATATACGGACAAGCGATGCCATTGGCGACCGATTTGCGGATAACCGAAG TGGATTTGTCTGTGGAAGGAGATGCATTTTTCCCCGCAATAGACCGGACGCATTGGAAAG AAGCAGAGCGGACGGAACGCCGTGTCAGCAGCAAAGGCACGCGCTATGCTTTTGTGCATT ATTTGAGATATTGAAATATAAACTCTCTATAAAATCCCCCGCAAATGATGGGCTGAAATA GAAAATATTGTTATTCCCCCGAAGATGGGAATCCGGGATTTTAAAGTTAGGGTAATTTAT CCGAAATAACAACAATCTTCCATCGTCATTCCCGCAAAAGCGGGAATCCGGAAACGAAAA GCTAAAGCAATTTATCGGAAAAAACCGAAGTTTAAAGAACCGGATTCCCGCCTGCGCGGG TAAGGATATAGAGGCTGTCTTTGGATTTGCGATGGTTGTCGGAGAATGCCGTCTGAAGCC GTTTCAGACGGCATTTTTCCAGCTTGAGAACGGATGCCTGCTCAAATAAGCATTGGTAAA CATACCGTCGGCAGTGATTTCCCGTCCCAGCCAGTCCGGACGGTCAAAATCGGCATTCTC GTCGGGCAACTCGATTTCCGCGACGACCAAAGGCGCATTATCGCCAAGAAAAACATCGAT TTCAAACAGGCTGCCGCCCCATCTGACCGGATAACGCCATTTTTCCATTTTAAACGGGCA CATCGTTTCCATCATCTTTTCCGCATCGGCAAGCGGGATTTCGTATTCAAACTCACTGCG GCTGATTTCCGAAATATAGCCTTTCAGCGTCAGCCACGCCTGTTTTCCGGCAATGCGGAC ACGGACGGTGCGTTCTTTTCAACAGACAGATAACCCTGCCTCAACAGCAGCGGTTCGTC GGGGTATTGCCGCCAGTTGTCGTTTCCAATCAAAAAACGGCGTTCGATTTCTATCGGCAT AAGATGCTCCGTCAAAACGGTTTGAACACGACCAGATACAGCGCGGCAACCATCAGCAGC

ACGGGGATTTCGTTGAACACGCGGTACCAGCGGTGTGAAAAAGCATTGCTGTAATCCTGA AAACGGCGCAGCAGCACGCCGCAATACAACTGGTAAGCCAAGAGCATCAAGCCCAAACAC AGTTTGACGTGTACCCAGCCGCTGCCCCACCAGCCGGCGCAAACGGTATCGCCGCGCCG AACACGACCGCCGAAGCCCAACGGCGACATAAAACGGTACAGCCGCACCGCCATGCCC ATCCTCGGCAGGTAAAACAGCCCTGCAAACCACGAAATGACAAAAAAACAAGTGAAAACAGC TTGAACCAAGAAAACATCATCGCCCACACCCTGCCGAAAAGCGGTATTGTACAGGCAAAC CGCTTGGGAAACGTGATAAAATCAGGCGGATAAACAAATCGAATAAATCCTTACCGCAAA ACGGAGGCAAAATGCTCAAATCCATCGAACTCAATTCCCACATCCGCAACCGCCTTGCAG **AATATCTGAAAGGCAGGGTATGGATTTTCAGACGGCAATGCAGGAAGAAAAGGCAACA** AAGAAATCGCCGCCATCGTCCACAGCGGTTTGCCCCACTCTGGTCCGCAAACTGTATTCCG **AACAAAAATGCAGAAGTTTTTTTGGGAAAAGCGGGATTTGATTGCCGACTAÇATCAGCC** GCCGGATGCAGGGATAGGTGGCTGAAATCTGTTTTCAGGCAAGTGAAAAGACAATATGGC AGATTGAAATTACGCTTATCGTCATTCCCGCCCGCGGGGAATCCGACTTGTTTGGTTTC GGTTATTTTTCGTTTCGTAACTTTTGAGCCGTCATTCCCGCGCAGGCGGTAATCCGGCTT GTTCGGTTTCGGTTCTTTTCTCGTTTCGGGTGATTTCTAAACCGTCATTCCCGCGCAGG CGGGAATCTAGGTCTTTAAACTTCGGTTTTTTCCGATAAATTTTTGCCGCATTAAAATTC TAGATTCCCGCTTTCGCGGGAATGACGGCGGAGGGTTTTTAGTTTTCCCGAAAATGCACA TCATCCAAAATCCCGTTATTCCCACAAAACAGAAAATCAAAAACAGCAACCTGAAATCCC GTCTTTCCCGCGCAGGCGGTAATCTGAACACGTCCGTAGTGAAACCTATATCCCGTCATT CGCACGAAAGTGGGAATCCAGGATGCAGGGAAAACCGTTTTATCCGATAAGTTTCCGCAC CGAAAGGTCTAGATTCCCGCTTTCGCGGGAATGACGGCGGAGGGTTTTTAGTTTTCTCGA TAAATGCACATCATCCAAAGTCCCGTTATTCCCACAAAAACAGAAAATCAAAAACAACAA TCTGAAATTCCGTCCTTCCCGCCTGTGCGGGAATCCGGCTTGTTCGGTTCTTTT TCTCGTTTCGGGTGATTTCTAAACCGTCATTCCCGCGCAGGCGGGAATCTAGGTCTTTAA GCTTCGGTTTTTCTTGATAAATTCTTGCCGCATTAAAATTCTAGATTCCCGCTTTCGCGG GAATGACGGCGGAGGGTTTTTTGTTTTCCCGATAAATGCACATCATCCAAAGTCCCGTTA TTCCCACAAAAACAGAAAATCAAAAACAGCAACCTGAAATCCCGTCCTTCCCGCGCAGGC GGTAATCTGAACACGTCCGTAGTGAAACCTATATCCCGTCATTCGCACGAAAGTGGGAAT CCAGGATGCAGGGAAAACCGTTTTATCCGATAAGTTTCCGCACCGAAAGGTCTAGATTCC CGCTTTCGCGGGAATGACGGCGGAGGGTTTTTAGTTTTCTCGATAAATGCACATCATCCA AAATCCCGTTATTTCCACAAAACAGAAAATCAAAAACAGTAACCTGAAATCCCGTCATTC CCGCGCAGGCGGAATCCGGCTTGTTCGGTTTCGGTTCTTTTTCTTGTTTCGGGTGATTT CTAAACCGTCATTCCCGCGCAGGCGGGAATCCAGACCTTTAAACCCCGACCATCCTTGAT **AAATTCTTGCGGCATTAAAATTCTAGATTCCCGCTTTCGCGGGGAATGACGGCGGAGGGTT** TTTTGCTTTTCCTGATTTTTCATTGCGATGTAGTATAATGTAGTATATAATCATTATAAT GCAAGCAAGCGATCGGGTTAATCTATTAACATTATCTGTTTTATCGCTGTTTTTGCA CGCCATATGTTTGAGGTTCGGATGCGTACGATCCCGTCAAAGAAGCCGAGATTAAAAACA AATTTATTTTAGAAGCGGCGGAAGACAGAAATTCCCACGTTTGGCGCGCCCGTGCAGCA TATCTTTTGATTGCTTCGGTATGTTCAGAGCTCAGCTTGGTTCAAATACTCGTTCTACCA AAATCGGCGACGATGCCGATTTTTCATTTTCAGACAAGCCGAAACCCGGCACTTCCCATT ATTTTTCCAGCGGTAAAACCGATCAAAATTCATCCGAATATGGGTATGACGAAATCAATA TCCAAGGTAAAAATTACAATAGCGGCATCCTCGCCGTCGATAATATGCCCGTTGTCAAAA AATATATTACAGAGAAGTATGGGGCTGATTTAAAGCAGGCGGTTAAAAGTCAATTACAGG ATTTATACAAAACAAGACCGGAAGCTTGGGCAGAAAATAAAAACGGACTGAGGAGGCGT ATATAGCACAGTTTGGAACAAATTTAGTACGCTCAAACAGACGATGCCCGATTTAATTA ATAAATTGGTAGAAGATTCCGTACTCACTCCTCATAGTAATACATCACAGACTAGTCTCA **ACAACATCTTCAATAAAAATTACACGTCAAAATCGAAAACAAATCCCACGTCGCCGGAC** AGGTGTTGGAACTGACCAAGATGACGCTGAAAGATTCCCTTTGGGAACCGCCGCCGCCATT CCGACATCCATACGCTGGAAACTTCCGATAATGCCCGCATCCGCCTGAACACGAAAGATG AAAAACTGACCGTCCATAAGGATTATGCGGGCGGGGGGATTTCCTGTTCGGCTACGACG TGCGGGAGTCGGACGAACCCGCCCTGACCTTTGAAGACAAAGTCAGCGGACAATCCGGCG TGGTTTTGGAACGCCGGCCGGAAAATCTGAAAACGCTCGACGGGCGCAAACTGATTGCGG CAAAAACGGCGGATTCCGGTTCGTTTGCGTTTAAACAAAATTACCGGCAGGGACTGTACG AATTATTGCTCAAGCAATGCGAAGGCGGATTTTGCTTGGGCGTGCAGCGTTTGGCTATCC TGCGTGCCGCCGACAGGGGCGACGACGTGTATGCCGCCGATCCGTCCAAAAATTGT GGCTGCGCTTCATCGGCGGCCGGTCGCATCAAAATATACGGGGCGGCGGCGGCTGCGGACG GGTGGCGCAAAGGCGTGCAAATCGGCGGCGAGGTGTTTGTACGGCAAAATGAAGGCAGCC GACTGGCAATCGGCGTGATGGGCGGCCAGGGCCAGCACGCATCAGTCAACGGCAAAG GCGGTGCGGCAGGCAGTGATTTGTATGGTTATGGCGGGGGTGTTTATGCTGCGTGGCATC AGTTGCGCGATAAACAAACGGGTGCGTATTTGGACGGCTGGTTGCAATACCAACGTTTCA AACACCGCATCAATGATGAAAACCGTGCGGAACGCTACAAAACCAAAGGTTGGACGGCTT CTGTCGAAGGCGGCTACAACGCGCTTGTGGCGGAAGGCATTGTCGGAAAAGGCAATAATG TGCGGTTTTACCTACAACCGCAGGCGCAGTTTACCTACTTGGGCGTAAACGGCGGCTTTA GCATTCGGGCAAAAACCCGTTTTGCTTTGCGTAACGGTGTCAATCTTCAGCCTTTTGCCG CTTTTAATGTTTTGCACAGGTCAAAATCTTTCGGCGTGGAAATGGACGGCGAAAAACAGA CGCTGGCAGGCAGGCACTCGAAGGGCGGTTCGGTATTGAAGCCGGTTGGAAAGGCC CGCTCAAATGGCTGTTTTGATGCGTCGGGAAATGTTTTGACGCACAGGCGGTACACCGGC ACGGCACCGCGCGCCCCGCAAACCAATCCGAACCCTGCCGCCCCGAAGGGCGGGGCA TAATGATGAAACCGGCGGAAAACGGCCGGTTTTTTGCCGCCGTTTGAAACCCGATTCTGG CTTCAGACGGCATTGTCGCGGCATCGGGCGGCAGGGTTTGGAACAGCGGCATAAAAAACT

GCACGAAACAGATGGATGCTGCTGCCTTTATTGGCAAGCGCGGCATATGCCGAAGAA ACACCGCGCGAACCGGATTTGAGAAGCCGTCCCGAGTTCAGGCTTCATGAAGCGGAGGTC AAACCGATCGACAGGGAGAAGGTGCCGGGGCAGGTGCGGGAAAAAGGAAAAGTTTTGCAG ATTGACGGCGAAACCCTGCTGAAAAATCCCGAATTGTTGTCCCGCGCGATGTATTCCGCA GTGGTCTCAAACAATATTGCCGGTATCCGCGTTATTTTGCCGATTTACCTACAACAGGCG GTCCGTATGCGTTTGGCGGCAGCATTGTTTGAAAACAGGCAGAACGAGGCGGCGGCAGAC CAGTTCGACCGCCTGAAGGCGGAAAACCTGCCGCCGCAGCTGATGGAGCAGGTCGAGCTG TACCGCAAGGCATTGCGCGAACGCGATGCGTGGAAGGTAAATGGCGGCTTCAGCGTCACC CGCGAACACAATATCAACCAAGCCCCGAAACGGCAGCAGTACGGCAAATGGACTTTCCCG AAACAGGTGGACGGCACGGCGGTCAATTACCGGCTCGGCGCGGAGAAAAAATGGTCGCTG AAAAACGGCTGGTACACGACGGCGGGGGGCGACGTGTCCGGCAGGGTTTATCCGGGGAAT AAGAAATTCAACGATATGACGGCAGGCGTTTCCGGCGGCATCGGTTTTGCCGACCGGCGC AAAGATGCCGGGCTGGCAGTGTTCCACGAACGCCGCACCTACGGCAACGACGCTTATTCT TACACCAACGCCCCCCTTTATTTCAACCGTTGGCAAACCCCGAAATGGCAAACGTTG TCTTCGGCGGAGTGGGGGCGTTTGAAGAATACGCGCCGGGCGCGTTCCGACAATACCCAT TTGCAAATTTCCAATTCGCTGGTGTTTTACCGGAATGCGCGCCAATATTGGATGGGCGGT TTGGATTTTTACCGCGAGCGCAACCCCGCCGACCGGGGCGACAATTTCAACCGTTACGGC CTGCGCTTTGCCTGGGGGCAGGAATGGGGCGGCAGCGGCCTGTCTTCGCTGTTGCGCCTC GGCGCGGCGAAACGGCATTATGAAAAACCCGGCTTTTTCAGCGGTTTTAAAGGGGAAAGG CGCAGGGATAAAGAATTGAACACATCCTTGAGCCTTTGGCACCGGGCATTGCATTTCAAA GGCATCACGCCGCGCCTGACGTTGTCGCACCGCGAAACGCGGAGTAACGATGTGTTCAAC GAATACGAGAAAAATCGGGCGTTTGTCGAGTTTAATAAAACGTTCTGATTGCTGTTCCTT TTCGGAGGAAACCCTGCCGGCGGCGGTATCACGGCGGCATCGGCGGCTTTCGGGCGGTG CTTTGCGTGCCGCCGCGTGTGCGGAAACGCATTCCGGTTTTTCCGGCATAACGGCGATGC GAGGTAAAATGCCGTCTGAAACCCGATTCGGGCTTCAGACGGCATTGTCGCGGTTGCGGC GGGCGGGTTCACCAGATTCCGTCAAAGGTTTTCGCGCCGCCCAAAATTTCCACCTGTCG ATTTTGCCGGTGCGGACGGCTTCGTAGATTGGTGCGAACCAGCGTTCTTCCCACTGCTGC AATATTGCCGCATACCGCTCCCTGTCCCCTGTCAGGGCGGTCAGGCGCAAATCGTCCATA AACAGGATATGGTGCGTGTCGGGCAGGTGTGCCGCCGTTTCTTCATAGGCGCGGAAGTTG TCGGGTAATGCGCGGCGGTCGGAGTGGAAACGGCTCCAAACCGTATCGGCGAAAAGCGTG CCGCCTTGCGCGCCGCCGTTTGTGCCGTCCCAAAGCCATAAGCCGTTCAACTCGGGCAGC TGGACGCGCAGCCATTCCAACGCATCTTCTCCGTCCGGCTGATCGTCAGCGCCCAACAAT CATAATTCGGGCAGGACGGAACGAAACGCCATGGAATGTCGCCGTAAAACGCCGACAGG TCGCGGCAGATCCGTTCCGCTTCATCCGTACCGACGTTCAGATATTCCGCCGTTAGCACA TTTGCCTGATGCATCCCCATCTTTTGCCAGACGGGCGTGGCGAGCGCGACGGCTTCAGAC GGCATATTCAGGCTTTGCGCCGCGCGTTCCACCAGTCTGCCGCACCACAATAACGCGCG TAAAATGCCGAAGCCGTGCAGCTTTGGCGGTGCAGCGAGCCGTATTGCAGGATTTTGTTG AAAGCGTGCAGGCATAGAGGTATTCGGATTTCGTCTTCATCCAAATTGAGCGAGGGAATG GCGAGGGTGAGTTTCATCGTTTGACGTTTCAGAAATGCAGGTCAGGCGCAACATTATAGA GGATTCGGCGCAAACGCCGTCAAAAAGGAACAATATGGCTGTCTTCCCACTTTCGGCAAA ACATCGGAAATACGCGCTGCGTGCGCTTGCCGTTTCGATTATTTTGGTGTCGGCGGCATA GCCGCTGTCTTGGGGCGGCAGCGGCGTTCAGACGGCATATTGGGTGCAGGAGGCGGTGCA GCCGGGCGACTCGCTGGCGGACGTGCTGGCGCGTTCGGGTATGGCGCGCGACGAGATTGC CCGAATCACGGAAAAATATGGCGGCGAAGCCGATTTGCGGCATTTGCGTGCCGACCAGTC GGTTCATGTTTTGGTCGGCGGCGACGGCGCGCGCGCGAAGTGCAGTTTTTTACCGACGA AGACGGCGAGCGCAATCTGGTCGCTTTGGAAAAGAAAGGCGGCATATGGCGGCGGTCGGC TTCTGAGGCGGATATGAAGGTTTTGCCGACGCTGCGTTCGGTCGTGGTCAAAACGTCGGC GCGCGGTTCGCTGGCGCGGGGGGGAAGTGCCCGTCGAAATCCGCGAATCCTTAAGCGGGAT TTTCGCCGGCCGCTTCAGCCTTGACGGTTTGAAGGAAGGCGATGCCGTGCGCCTGATGTA CGACAGCCTGTATTTCCACGGGCAGCAGGTGGCGGCGGGGGGATATTTTGGCGGCTGAAGT GGGCGGCAATTATTATGATGAAGACGGCAAGGTGTTGCAGGAAAAAGGCGGCTTCAACAT CGAGCCGCTGGTCTATACGCGCATTTCTTCGCCGTTCGGCTACCGTATGCACCCCATCCT GCACACATGGCGGCTGCACACGGGCATCGATTATGCCGCACCGCAGGGAACGCCGGTCAG GGCTTCCGCCGACGGCGTGATTACCTTTAAAGGCCGGAAGGGCGGATACGGCAACGCGGT GATGATACGCCACGCCAACGGTGTGGAAACGCTGTACGCGCACTTGAGCGCGTTTTCGCA GGCGGAAGGCAATGTGCGCGGCGGCGAGGTCATCGGTTTTGTCGGTTCGACCGGGCGTTC GACCGGGCCGCACCTGCATTACGAGGCGCGCATCAACGGGCAGCCCGTCAATCCTGTTTC GGTCGCATTGCCGACACCGGAATTGACGCAGGCGGACAAGGCGGCGTTTGCCGCGCAGAA ACAGAAGGCGGACGCCTGCTTGCGCGCTTGCGCGCATACCGGTTACCGTGTCGCAATC GGATTGAAGTTTGAACCGGCGACGAAAACAATGCCGTCTGAAAAACCTGCAAACAGGTTTT CAGACGCCATTTATAGTGGATTAACAAAATCAGTACGGCGTTGCCTCGCCTTAGCTCAA AGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTATT GTCTGCGGCTTCGTCGTCTTGTCCTGATTTTTGTTAATCCACTATGCAGTTGATTAAAAC GCACGGAAACCCATCCGCTGTCATTCCCACGAAAGCGGGAATCTAGAAATACAACGCGGC **AGGAGTTTATCGGAAATGACTGAAACCCAACGTACCGGATTCCCGCTTTCGCGGGAATGA** CGAAGTGGGCGGGAATCCGGATTTATCCGTTCCGACAGTGTTTGCAAATAAAAGAAAACC CAACCGTCCCGATTCCCGGCAGGGCTGTTTTACGGATTTTGCAGCGAGGGCGCGGGGGGG TCTTGCGCCTGTTTGGTTTGCAGGGTTGTCAGTTTTTTCGTCAGCAGATTCAGTATCACG CCGTAGGCGGCAGGAAGAAGAGGGTGCAGACGGTAAGTTTGAACAGGTAATCGACAAAA GCGATGCCCTGCCAGTTTGCCGCCATAAATCCATCGCTGCTTGCGTAGAAGGCAACGGCG CACGCTTTCAGACGGCGTAATTTGTTGAATACAAAAATATCAAGGATTTGTCCGATCGCG TAGGCGGCAAAGCTGGCTAAGGCGATGCGTCCGACAAAGGTGTTGAATTCGGACAGCGCG CCCAAGCCTGTCCAACTGCCGTTGTGGAACAAAACGGAAAAGACGTAGGAAAGCAAAAGG GCGGGGAACATCACCCAAAAGATAATCCGCCGTGCCAAGTGAGAACCGAAAATGCGGACG GTCAGGTCGGTGGCAAGGAAGATGAAGGGAAAGGAAAATGCGCCCCAAGTGGTGTGGATG CCGAAAATTTGGAAAGGGAACTGCACCAGATAGTTGCTGGCGGCGATGATGAGGATATGA AAAAGCACCAGCCGGAAGAGTGCCTTCTGTTGCTGTGCGGCGGTAAATGCGTACATAAAA **ATCTTTCGGAAAGGCGTTCAGACGGCATATCGTATCGAAGGAATGCCGTCTGAAATATGG** GAAGGATGGTTTATTGTGCGTCGTGCTCAAACAAGCGTTTGCGTGCCAATGTTTCGAACT ACTCGCCGAATACTTCGATGTATTTCGGATCCATCAGGGCAATGAGGTCTTTCATGATGA TGTTGACGCAGTCTTCATGAAAATCGCCGTGGTTGCGGAAGCTGAAGAGGTAGAGTTTCA GGGATTTGCTTTCCACCATTTTGATGTGCGGAATGTAGCGGATGTAGATGGTGGCGAAGT CGGGCTGCCCGGTCATGGGGCAGAGGCTGGTGAACTCGGGACAGACGAATTTGACGAAAT AGTCGTTGTCGGGATGTTTGTTGTCGAATGCTTCGAGAATTTCAGGCGCGTAGCCGGTCG GATATTGGGTTTTTTGATTGCCCAAAAGAGAGATGCCTTGCAGCTCTTCGTTGTTGCGGG ACATGAGGGTTTCCTTAGTTTTTTAATGTGGGAGGTTTTCGAACCACGGGCGGCGATTGT AATATAAGCGGCGGTATCTGTGTAGTTTTCTTCAGACGGCATGGTTTGGACGGCGGCGTT TTCCGTGTCATATATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCA AAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTAC TGTCTGCGGCTTCGCCGCCTTGTCCTGATTTTTGTTAATCCATTATATAAACGAAATATA TTTTCAGTTTTGCCGCCTGAAGCGTTGTTTTTTGAATATTGCATCTAAAATACTGACTTG ATTGCGTTATTGCGCGGATATAGAATCTGCTTCCTATTGAAAGAACATTGTTTATATGAA ATCAGGAAATTCGGAACCCAATCTTATGGATACGCACACGGACGAAACAAAACTTCAAAA CACGCAAGCCAAACGCAAACGCCGCCTGACGGCATTGACGCTGCTGTTCGCGCTTGCCGC CGCAGCCGCCGGTCGCGTTTTTTTTTTGGTGGCAGCACGAAGAGGAAACGGAAGACGC TTATGTTGCCGGACGCGTGGTTCAGGTTACGCCGCAAAAGGGCGGTACGGTGCGGAAGGT TTTGCACGACGATACGGATGCCGTGAAAAAAGGCGACGTGCTGGCGGTATTGGACGACGA TAATGATGTGCTGGCTTACGAGCGGGCAAAAAACGAGCTGGTTCAGGCGGTGCGGCAAAA CCGCCGGCAAAATGCCGCCACTTCGCAGGCGGGGGGGCGCAGGTTGCCTTGCGCCGGGCGGA TTTGGCACGCGCACAGGATGATTTGCGCCGCCGGTCTGCTTTGGCGGAATCGGGCGCGGT GTCCGCCGAAGAGCTGGCACACGCCCGTGCGGCAGTGTCTCAGGCGCAGGCGGCGGTCAA AGCGGCTTTGGCGGAAGAATCTTCGGCACGTGCGGCTTTGGGCGGTCAGGTTTCTTTGCG CGAACAGCCGGCGGTTCAGACGGCAATCGGCAGGTTGAAAGATGCGTGGTTGAACCTTCA GCGGACGCAAATCCGCGCCGGCGGACGGTCAGGTGGCGAAGCGTTCGGTGCAGGTCGG GCAGCAGGTGGCGCGCGCGCCGCTGATGGCGGTGGTGCCGCTGTCGGATGTGTGGGT GGATGCTAATTTTAAAGAGACGCAGTTGCGGCATATGAAAATCGGACAGCCTGCCGAGCT GGTGTCCGATTTGTACGGCAAACAAATTGTTTATCGCGGCAGGGTGGCAGGTTTTTCGGC AGGTACGGGCAGCGCGTTTTCGCTGATTCCGGCGCAAAACGCAACGGGCAACTGGATTAA AGTGGTGCAGCGCGTCCCGTCCGTATCGTGCTGAACCGCGAAGATGTGGACAGGCATCC GTTGCGTATCGGTTTGTCGATGACGGTTAAAGTGGATACTTCCGCCGCAGGCGCGCCTGT TTCAAAAACGCCGGGTGCGGCATTGCCGGAAATGGAAAGTACCGACTGGTCGGAAGTCGA TCGGACGGTCGATGAAATCCTCGGGCAATCCGCGCCCTGATGCCGTCTGAAACGGAGGAC ACAATGGATTATCCACCGCTTAAGGGTGCGGCATTGGCGTGGGTTACGCTGTCTTTGGGG CTTGCCGTATTTATGGAAGTTTTAGATACGACTATCGCCAATGTCGCCGTTCCCGTCATC GCCGGCAACCTCGGTGCGCAACCACTCAGGGGACGTGGGTCATCACTTCCTTTTCTGTG GCAAACGCCGTTTCCGTGCCGCTGACGGGCTTTTTGGCAAAACGCATCGGCGAGGTCAAA TTGTTTACCGCCGCCGCTGTCGGTTTCGTCATCACATCGTGGCTGTGCGGTATTGCCCCC **AACCTTCAGTCGCTGGTTGTTTTCCGCATCTTGCAGGGCTTTATCGCCGGGCCGCTGATT** GCATTGTGGGCAATGACCGTCGTTGTCGCCCCTGTTCTCGGGCCGATACTCGGCGGCTGG ATTTCCGGAAACTGGCATTGGGGTTGGATTTTCTTCATTAATATCCCTATCGGTATCATA TCGGCATGGATTACATGGAAACATTTGAAATATCGGGAAACGGAAACCGTTAAAATGCCG ACCGACTATGTCGGGCTTACATTGATGGTAGTCGGTATCGGCGCGTTACAGATGATGCTG GACAGGGGTAAGGAACTCGACTGGTTCGCCTCTGGAGAAATCATTACCTTGGGCGTAGTC GCACTGGTGTGCTTGTCGTATTTTATTGTTTGGGAATTGGGAGAAAATATCCGATTGTC GATTTATCGCTGTTTAAAGATCGGAATTTTACCGTCGGCGTCATTGCCACGTCATTGGGT TTTATGGTGTATATGGGGACGCTGACCCTGCTGCCGTTAGTGTTGCAGACCAACCTGGGC TCTCCGTTAATCGGCAGGTTCGGCAATAAAATCGATATGCGCCTGTTCGTAACTGCCAGC TTCCTGACCTTTGCCTTTACTTTCTATTGGCGTACGGATTTTTATGCCGATATGGATATT GGCAACGTCATCTGGCCGCAGTTTTGGCAGGGTGTCGGTGTCGCCATGTTTTTTCTGCCG TCGAATTTCTTGCGCGTGCTGATGGGCGGTGTCGGCGTATCCGTCGTCAGCACCCTGTGG GAACGGCGCGAAGCGTTGCACCACACGCTTTGCCGAACACATCACGCCCTATTCCGCA ACATTGCACGAAACGGCCGCTCATTTGTCCCAGCACGGCGTTTCCGACATTCAAACCCTA TTCCACAACGGCGGCGGCGGTGGACATTGAGGGGATTTGAAAACTTGAAATGCCGTCTGAA **AATACTGGAAATATGTTCGGACGGCATTTTGAATGCAGCAGTTCCCGAAATCCGCTATAA**

TCGCGCCCCATCTGTTTCGCACCTGCAAACGTTCCACAGATGCGACAATCGGAAGGATTA TCCGCGCAAAACAGCCGTTTTTCTTTAAAACACTTGAACTAACACTGTTTTTCGTGGTAT AAATCGCGTTTTACTATTTTAGAAGTTTGGAGACTGATTATGGCACGAGTTTGCAAAGTG ACCGGCAAACGCCCGATGTCCGGCAACAACGTATCGCACGCCAACAACAAAACCAAACGC CGTTTTTTGCCCAACTTGCAATCACGTCGTTTTTTGGGTAGAAAGTGAAAACCGCTGGGTT CGCCTGCGCGTTTCCAACGCTGCACTGCGTACCATCGACAAAGTAGGCATTGATGTCGTA TGCAATGCGCGATAAAATCAAACTGGAATCCAGTGCAGGTACTGGTCACTTCTACACCAC TACCAAAAACAAACGCACTATGCCCGGCAAATTGGAAATCAAAAAATTTGACCCAGTTGC CCGCAAACACGTAGTGTATAAAGAAACTAAACTGAAATAATTTCAGTTTGAAAGCAAAGC CTCCGACTGCTCGGAGGCTTTGTTATTTTTTATCGTGTTTCCTTTCCGCTTGAAACATCTG CCGTATGCGAATCTGCTAAACCGTCTGCCAAGGATATGAAAACCGCAAAACGGTTCAT AACACAAAAATGCCGTCTGAAACGTTTCAGACGGCATTTCGGCAGTTTTCAACCGGTCAG TTGTTTGGTGATCAGTTTCTTCAGCGGTGGGAAATTGTTGCTGGCACGCAATACCAAGCC GCGCAACAGTTTTGCCGGTGCGGTCTCATTGGTAAACAGTTTCAGCATCATATTGGTTCC GTGATAAAGCGGATGGGCGTGCAGCATATGTTTGCTGCTGTATTTTTCCAATAATGAAGA TGCACCGATGTCTTGACCGCGCTGTTCGGCTTCGAGTATCAGTTTTGCCAAAATATCTGC GCTGGAAAGCCCCAAGTTGAAACCGTGTGCTGTAACGGGGTGCATACCGACGGCGCGCATC GCCAATCAGCGCGCTGCGTTTGCCGTAGAAACGTTTGGCAATCATGCCGACAAGGGGGTA ATGGTGGATGCTGACCAATTCCATATCGCCGAGCCTGCCCTTGAGCTGTTCTTTTAC GCTTGCCGCCAATTCTTCGGGCGAAAGGTTTTGAACGCTGTTGATTTTATCGGTATCGAC GGTAATGACGGTATTGGTCAGGTGCTCTTCCAGCGGCAGCAGTGCGATGGTGCGTCCGTA ATGGAAGCATTCGTAAGCGGTATGTTGGTTGGAAAGGGTATGTTTCATACGGCAGACGAA CATGGTTCGGCTGTAATCGTGCATATCGGAGGAGATACCGAGTTGTCGACGGGTTTGCGA GACTTGTGCTTCGTTGTCAGATGTTTTGACTTCTTTGACAACCGTATCGGTCAGAATGCT GACATTGTCGAGTTGTGATACGACTTCATAGGCGGCGGGGGGGATATTGTGGTTGGAAAT CAGATAGCCCAAACAGTCGGCAGGTTCGCCGCGCGCTTCAGTCGGTTGGGGAAAGTGGAG $\tt CTGGTAGTCGGAACGTCCGTTCAGCACTTTGGCATCGCGCAAAGGGTAGATTTCGTTTTC$ GGGAATTTTGTCCCACATACCCAAACGCTGCATGATTTCGCGGGAAAAATGGGTCAGGGC GGTAACTTTCAAACCGCTGCCGGCAAGTTCGGCTGCAAAACTTAAACCCGCCGGGCCTGC GCCGACGACGAGGATGTCGCTGTGTAAACTCATAAAATATCCTTTGCATAGACGGATGCC GATGATTTCAGACGGTATTTGTAAGGGTTTGAATGCCGTTTGAACTATCTGTAACAGATA GGCGATTATATCAAAACCCACTGTTGAAGAAATATGCAGGGGAGGGTGTATGCGGATTTT ACCAGTACGGCGTTGCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCT TGTCCTGATTTTTGTTAATCCACTATAAAAAGCCGCATCGTGAAAAGATGCGGCTTCAGG TATCGGTTGGATTATTCTTCAGAACCGGTGTAAGGACGGATGCTGACAGTTTTACGGTTC AGCGCGCCTTTGGTTTTGAATTCGACATAACCGTCAACTTTGGCGAACAAAGTGTGGTCT TTGCCCATACCTACGTTGTCGCCTGCGTGGAATTTGGTACCGCGTTGGCGTACGATGATG GAACCTGCGGGAATCAGCTCGTTGCCGTAGGCTTTAACGCCCAAGCGTTTGGCTTCTGAA TCGCGACCGTTGCGGGTGCTGCCGCCTGCTTTTTTACTTGCCATTTGTAATGCTCCTAAG TTTTAAGGTTAGGCGATTGCCACGATTTCGATTTGGGTGAAATTTTGGCGGTGGCCTTGG CGTTTTTGGTAGTGTTTGCGGCGGCGCATTTTGAAGATGCGGACTTTTTCGCCACGACCG TGTGCCACTACTTTAGCCGTTACTTTTGCACCTTCGATAAAGGGTGCGCCAACTTTTACA GATTCGCCGTCAGCAATCATCAAAACTTCGGTCAGTTCGATTTGGCTGTCGAGTTCGGCT GGTATCTGTTCTACTTTCAATTTTTCGCCGACGGAAACTTTATACTGTTTGCCGCCGGTT TTTACGACCGCGTACATACTCAACTCCATAAGGGTTATGGTTAATATCCGCACACCATTG TGCGGAACTCGGCATTGTATTGTTATTTGCCTGTTTTTGTCAAAGTTTGCGCGGTTCGGAT **AACCATATGCCGTCTGAAAAGATGTACCCTGATGGCTTTGCTGATATAATTGCCCGCTAT** TTGAATCAGCTTTCAAGCGGTATCTGCCGTTTGACGGAAACGTAAACCTGAGAGTCTGCC ATGCTCGAGAATCTGCCCTATTTCCAGCGACATCTGCCTGAAGACCTTGCCAAAGTCAAT GAAGTCATCAACCGTGCGGTGCAATCCGATGTCGCACTGATTTCGCAAATCGGTACATAT ATCATCAGCGCGGCGGCAAACGCCTGCGTCCGATTATGACGATTTTGGCGGGTAAGGCG GTCGGTTATGATGACGAGAAACTGTATTCGCTGGCGGCGATGGTCGAGTTTATCCACACT GCCTTTCAACTGATGGTTGCCTCGGGCAGTATGCGCGTTTTGGAAGTGATGGCGGATGCA ACCAACATTATTGCCGAGGGCGAAGTCATGCAGCTGATGAACATCGGCAATACGGACATT ACCGAAGAACAATATATCCAAGTCATCCAATATAAAACGGCAAAATTGTTTGAAGCTGCC GCTCAAGTCGGCGCAATTTTGGGCAAGGCTTCCCCCGAACACGAACGGGCGTTGAAAGAC TACGGTATGTATGTCGGTACGGCATTCCAAATTATTGACGATGTGCTGGACTATTCTGGC CCTTTGATTTATCTGATGCGTCAGGGTTCCGAACAGGTTGCGAACGATGTGCGTACTGCT TTGGAAAATGCAGATCGCAGCTATTTTGAGAAAATCCACGATTATGTCGTCCGTTCGGAT GCGTTGGCATATTCGATAGGCGAGGCGCGCAAAGCAGTCGATTGTGCCGTTACCGCCTTG GATGCCCTGCCCGACAGCGAAGTGAAGGATGCCATGATTCAGCTGGCGAAGGAATCTTTG GTCAGGGTGTCTTGAGGCGATGAATTTCAGTTTTGTTCCCCTGTTTCTGGTTACGCTGAT TCTGTTGGGGGTGGTCAGCAACAACAATTCGATTACCATCTCGGCAACCATATTGCTGCT GATGCAGCAGACGGCATTGATACAGTTTGTCCCGTTGGTCGAGAAGCACGGGTTGAATCT CGGTATCATTCTTTGACCATAGGGGTTTTGAGTCCGTTGGTTTCAGGAAAGGCGCAGGT TCCTCCCGTTGCCGAATTTTTGAATTTTAAAATGATATCCGCCGTTTTTATCGGTATTTT .cgtggcttggctggcggacgcggggtgccttatgatgggacagcagcctgtttaatta CAGGGCTGTTAATCGGGACGGTTATCGGGGTGGCATTTATGGGCGGTATCCCTGTCGGGC

CGCTGATTGCGGCCGGCATCTTGTCTTTTGTCGTCGGAAAGGGTTAAAATCTCCTTTTCA TTTCGGCTCGCCATAGTTCAACGGATAGAACGTATGCCTCCTAAGCGTAAARTACAGGTT CGATTCCTGTTGGCGAGGTTTGACGATTTCATTTGTCTGTTTCCCGTGTTGCGGGAAGTT TCCGATATAAGGCCTTTCAGTGTTGGAGGGCTTTTTTTGCCATCTGAAAACTTTTTCTTCC TGCTTGAAAAACCGACCTTTAGGACGGTAGAATCATGAAATGATTTTCAGGCTTCGTAAA AGATGTTCCGGCTTGGAAATCTGTTGTTTTATGATATAGTGGATTAAATTTAAATCAGGA CAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGCAAGGCGAAGGCGAACGCCGTACTG GTTTAAATTTAATCCACTATAAAAGCTGTACAGGTATAACAATGAATAAATTTGGGGATA AGGTCGTATGAGCGTAGGTTTGCTGAGGATTCTGGTTCAAAACCAGGTGGTTACTGTTGA GCAGGCCGAGCATTACTACAATGAGTCGCAGGCGGGTAAGGAAGTGTTGCCGATGCTGTT TTCGATTCTTGATTTGCGTCATTATCCGCGCCACAGGGTGCTGATGGGGGGTGTTGACGGA GGAGCAGATGGTGGAGTTCCACTGTGTGCCGGTTTTCCGTCGGGGCGACAAAGTATTTTT TGCGGTTTCCGATCCGACACAGATGCCGCAAATTCAGAAAACCGTTTCTGCCGCAGGGAT CACCCTGTATATCGACAACGAGGAGGCAGAAGACGGCCCTGTTCCGAGGTTTATCCATAA GACTTTGTCGGATGCCTTGCGCAGCGGGGCATCGGACATCCATTTCGAGTTTTACGAACA CAATGCCCGTATCCGTTTCCGTGTGGACGGCAGCTCCGCGAGGTGGTTCAGCCGCCCAT TGCGGTAAGGGGGCAGCTTGCTTCACGGATTAAGGTAATGTCGCGTTTGGACATTTCCGA AAAACGGATACCGCAGGACGGCAGGATGCAGCTTTCAAAAGGGCGGCAAGCCTGT CGATTTCCGTGTCAGCACATTGCCGACGCTGTTTGGCGAAAAGGTCGTGATGCGGATTTT GAATTCCGATGCCGCGTCTTTGAACATCGACCAGCTCGGTTTTGAGCCGTTTCAGAAAAA ATTGTTGTTGGAAGCGATTCACCGTCCCTACGGGATGGTGCTGGTAACCGGTCCGACGGG TTCGGGTAAGACGGTGTCGCTCTATACCTGTTTGAATATTTTGAATACGGAGTCGGTAAA CAATGATAAGCAGGGCCTGACTTTTGCCGCTGCTTTGAAGTCTTTCCTGCGTCAGGACCC GGACATCATTATGGTCGGTGAGATTCGTGATTTGGAAACTGCCGATATTGCGATTAAGGC GGCACAAACAGGGCATATGGTGTTTTCCACCCTGCACACCAATAATGCGCCGGCGACGTT GTCGCGTATGCTGAATATGGGTGTCGCGCCGTTTAATATTGCCAGTTCGGTCAGCCTGAT TATGGCGCAGCGTCTTTTACGCAGGCTGTGTTCGAGCTGCAAACAGGAAGTGGAACGCCC GTCTGCCTCTGCTTTGAAGGAAGTCGGCTTCACCGATGAGGACCTTGCAAAAGATTGGAA ACTITACCGCGCGCTCGGTTGCGACCGTTGCCGGGGGCAGGGTTATAAGGGGGCGTGCGGG CGTGTATGAGGTTATGCCCATCAGCGAAGAAATGCAGCGTGTGATTATGAACAACGGTAC GGAAGTGGATATTTTGGACGTTGCCTATAAGGAGGGTATGGTGGATTTGCGCCGGGCCGG TATTTTGAAAGTTATGCAGGGCATTACTTCATTGGAAGAGGTAACGGCAAATACCAACGA CAGGGTGTTTGCCGGGAAGGCGGGGGGGGGGTCAGCGGTATGCCATGTCGGGTTCGGATATTT CCGGCAAACTTTCCGTTTGGCCGGAAACCGTATATTTCCCGTCTGCCCATCCGCCCAAGT CGATCAGTTTGCAGCGTTGCGAACAGAAGGGGGCGGAATGCGTTTTCGGGTTTCCATACTA CTGCTGTTTGACAGGTCGGACATTTGACTTGAAGGCGTGTTTGCCGCGATTCAGTCATTG TGTTTTCCTTGTGTTGGTTTTGAGGCGAAAATCCCTGAATAAAACGCGTGCAGGCGCATT GTTTTCTCACGCAGGCTTTTGAGGCTGCCGTCATTGAGCAGCACATCGTCTGCAAGCAGC CCGCTGCGGGCCATCACCCTGCCGATACGTTTTTCCACAGGGGCACTTATGGTCAGGACA CGCCGTATCAGGCTGATAAATTGACGCTTTTCCGTCAGCAGCGGAATTTCGACAATGCCG TAAGCTGCATCAGTAAAGGTTTCTTGCTGTTTTTTTGATTTCTGAGAAAATCAGCGGCAAC ATCACGGATTCGAGCAAGGCTTTTCGCGATGGGGAGGCAAAGACTTCTTTACGCAATATG TCGCGCCGCAACAACCCTGTGTGTCAAAAACGGTGTCGCCGAACAGCCGCCTGATTTCC GGCAGGGCGATGCCGTCTGAAGCCGTCAGCGAGTGCGCCGCCGCGTCTGCATCGATGCGC GGCACGCCCAAATCGGCAAAACATTGCGCGGCTGCCGATTTGCCGCTGCCGATTCCGCCG GTCAGTCCGACCCATACCGTCATCTTACAGCACCGGATGGGTCAGCCACCAGTTGACCGC CCGCCATACGGAATCGTTTGCCGTAAAAATTATCCAGCCCGAAACTGTCAGTGCGGGGCC GAAGGCAAAATGCTGCCCCTTGGCGACGCGCATAACGATTGCCGCGACCAAACCGATCAG CGAGGAAACAAAAATCAGTACGGGCAATGCGGATATGCCGAGCCACGCGCCCAATGCGGC **AATCAGTTTGAAATCTCCGTTGCCCATACCGGTTTTTCCTGTGAGCAGTTTATACACTGC** ACATAAGAGCCATAATGAACCATAGCCGGCGACCGCACCTAAAACGGCAGACTGCAAAGG CACGAAGCCGCCGTCCAAATTAAATATCAGACCCAGCCAAATTAAGGGCAGTGTCATCGA GTCGGGCAGGTATTGGGTGTCCGCATCGATAAAGGTCAGGGAAATCAGAAACGCGGTCAG TACCAATCCGCCCAGCGTAATCCAAGACCAGCCGTATTGCCAGGCGACCAGCCCGAACAA TACGCCGGTCAGCAGCTCGATTAAGGGATAACGTATGCTGATTTTGGTTTGGCAGGAAGC GCATTTGCCGCGCAGGAGCAGGTAGCTGACAATCGGGATGTTCTGCCACGCGCGTATCGG CACGCGGCATTTGGGACAGCAGGAATCCGGTTTCATCAGGTTGAAGGTACGGCTTTCCTC TTCGGTCAGCGGCAGGTTTAAATATTCTTTGGCAAATACCGTCCAGCCGCGTTCCATCAT GACCGGCACGCGTAAATGACGACATTTAAGAAACTTCCGACCAGCAGCCCGAACACCGC TGCCAAAGGCACGGCAAACGGCGACAATACAGACAAATCAGACATATTTTGTTCTCAATG TATTCAAAACAAAACAAACCGGCGCAGAGCGAATCCGCGCCGGATCTGTGCGGCAAATC AGGCGACCACGTTGCCCAAATTAAACAGCGGCAGATACATGGCGACCAGAAGCGTGCCGA TGACCAAGCCTAAAATCACGATAATGATCGGCTCCATCATAGCGGACAGCCTGCCGACCG CATTGTCCACCTCGTCTTCGTAAAATTCGGCGGCTTTGTTGAGCATATCGTCCAAAGAAC CCGATTCCTCGCCGATGGAAGACATCTGCAACATCATATTGGGGAACAGTTCCGTCGCAC GCATCCCCGAAGTCATAGACAAACCTTGGATGACGCGCGTACGGATTTCCCGGGTGGCTT CTTCATAGATTAAATTGCCCGCCGCCGCCGCAGTGGAGTCCAATACATCGACCAAAGGCA CGCCTGCCGCAATCAGCGTCGCCGTCGTCCTGCCCCAGCGGGCAATCGTTCCTTTGCGGA CAATGTCTCCGAAAATCGGCATACGCAGCAGTATGGCATCCATACGCCGTTGGATTTTAA

TCGAACGCGCCTTCAATTTAAGGAAGCCGTATATGGCAAAGCCCAGTGCGATCAGCACCA TCCAGCCGTATGAGACGAAAAGTCGGACATATCCATCACTGTTTGGGTCAGTGCGGGAA GCTCCGCGCCCATATTGGCGTAAACTTCTTTAAAGGCGGGCAGTACGAAAATCATCATCA CGAATACCAAACCGATGGCGACGGCGATGACGGATACCGGATAGGTCAGTGCGGTTTTTA CCTTTTTGCGGATGGCCTGGGTTTTTTCTTTGTAAATTGCCAATTTGTCCAGCAGGCTTT CCAATACGCCGCCGTTTCGCCCGCCGCAACCAGATTGCAGTAGAAGCGGTCGAAATATT TTGGGTGGTTTGAGAATGCGCGGCTCAACGAGCTGCCCTGTTCCACTTCGCCTCGGATTT CCATCAGCATTTCCGTCATAGACGGGTTGCCGTGTCCGCGCGCCACGATTTCAAATGCCT GCATCAGCGGCAGGCCCGCTTTAATCATCGTGGACAGCTGGCGGGTGAAAACGGTGATGT CTTCTTGTGTGATTTTGCGCTTGGAGCTTGTTTTCACACGGGTAATCTGCAACGGGCGGA TGCCGCGTTTTGCCAGTTTTTTGCGCGCCTCTTCTTCGGTAAACGCGGATACTTCGCCGT CGAACAAAGAAAATCCTCCGTTTTTAGCCATATTCTAGCCCCGTAAAGTAATTGGAATAA **AATGTAAGAACATCGTTAAAAAACAGTACCGGCGTGTTCCCGGTAAGATGAAAACCGCC** GACATCCCGCCTGCGGCGGCAAACGGGACAGAATCGGATGCGATTATACCTTATTTAGG CGGCTGTCCGGCATTTATGCGTACACAATAAATCTTGCAGGATATTGTTGCGGGTCAAAT GCCGGCCGGAGGGCATTTCCGCCATATGGAAATAAGGTGCTATTGGACGCGGCGGCGGT GTTCCGGAGATTCGCCAAAGCCGCTGCCGTTTGTTAAACTACATTCTGCTACATTTTAAT CCGGTTCTGAAAAATCAAGGAAAACAGATGAATGCTTTTACCCGTGCATGGTATGCGCTC GAACGCCATTATCAGGATACGCGTCATGTCCTTTTGCGCGACCGCTTTGCCTGCGAACCG GACCGGTTTGAGCGTATGCACGAGCGTTTGGACGGGATGTTGTTCGATTACAGCAAAAAC CGTTTGGGCGAAGATACGCTGCAACTGCTCTGCAATCTTGCCGACGCGGCGGATTTGGAA GGGAAAATGCGTGCTTTGCGGACGGGTGCGAAAGTCAACGGCAGCGAGGGGGCGTGCCGCG CTGCATACGGCTTTGCGCCTGCCCGACGGTGCGGATGCCGTTTATGTGGACGGCAGGGAC GTGTTGCCCGAAATCCGCCGCGAGTTAAATCGTGCGTTGAAGTTTGCACACAGTTTGGAC GACGGTTCGTATCAGGGGATAACCGGAAAACGGATTACGGATTTTGTCCACATCGGCATA GGCGGATCCGACCTCGGGCCGGCAATGTGCGTGCAGGCACTTGAGCCGTTCAGACGGCAT CTGAACCCCGAAACGACAGTGTTTTGCGTTGCCAGCAAGTCCTTCAAAACACCCGGAAACC CTGCTCAATGCACAGGCAGTCAAGGCGTGGTATCGCGGTGCAGGGTTCTCGGAATCCGAA ACGCCGTGCCATTTTTGCGCGGTGTCTGCCGACACTGCGGCAGCTGCGGCTTTTGGTATC GCGGCGGAACGCGTGTTTGCGATGTACGACTGGGTGGGCGGACGCTATTCCGTCTGGTCG CCCGTCGGTTTGCCCGTGATGGTTGCGGTCGGCGGGGCGCGTTTCCGCGAGTTGTTGGCG GGGGCGCACGCGATGGACAGGCATTTTTTCAGTACGCCGACGCGTCATAATATCCCCGTT TTAATGGCACTGATTGCCGTGTGGTACAACAATTTCCAGCACGCGGACGGCAGACCGCC GTTCCGTACAGCCACAACCTGCGGCCTGCCGGCGTGGCTGAACCAGCTCGATATGGAG AGTTTGGGCAAAAGCCGCGCTTCAGACGGCAGTCCCGCCGTGTGCAAAACGGGCGGCATC GTGTTCGGTGGTGAAGGGGTCAACTGCCAGCACGCCTATTTCCAACTGCTCCACCAAGGC ACGCGCCTGATTCCCTGCGATTTTATCGTCCCGATGACGGCGCAGGGCAGAGAGGACGGA CGCAGCCGTTTTACCGTTGCCAACGCCTTTGCCCAAGCGGAAGCCTTGATGAAGGGCAAA ACCTTGGACGAAGCACGCGCCGAACTGGCAGATTTGCCCGAAGCGGAACGCGAACGCCTC ACGCCCTACAATTTGGGTATGCTGATGGCGGCTTACGAACACAAAACCTTCGTCCAAGGC GCGATATGGAACGTCAACCCCTTCGATCAGTGGGGGGTGGAATACGGCAAACAGTTGGCA AAAACCATCATCGGCGAACTGGAAGGCGGCACGTCCGTACACGATGCCTCGACCGAAGGG CGCCTTTCTGTATTGATTCGGGCGCGGAAAAGGCAATACCTGCCGCCTGCCCGATTCCGA AACGCCAATGTTTGGCAACCGCTCGCGTATTGCTGACGAATATGCGTTTGCGTGGCACAA TAGCGCATTCATTTCAAATGAACATACTGCTTGAAAATACCGGCAAGCGTCCCACGAAAC ATCTCACATAAGGAAATATTATGTCTTTGCAAAACATTATCGAAACCGCCTTTGAAAACC GCGCGGACATCACCCCGACCACCGTTACTCCCGAAGTCAAAGAAGCCGTGTTGGAAACCA TCCGCCAACTCGATTCCGGCAAACTGCGCGTTGCCGAACGTTTGGGCGTGGGTGAGTGGA **AAGTCAACGAATGGGCGAAAAAAGCCGTGTTGCTGTCCTTCCGCATCCAAGACAACGAAG** TCCTCAACGACGGCGTGAACAAATACTTCGACAAAGTGCCGACCAAGTTTGCCGACTGGT CTGAAGACGAGTTCAAAAACGCAGGCTTCCGCGCAGTTCCGGGTGCGGTTGCCCGACGCG GCAGCTTTGTGGCGAAAAATGTCGTGCTGATGCCATCTTATGTCAACATCGGCGCATACG TCGACGAAGGCGCGATGGTCGATACTTGGGCAACCGTCGGCTCTTGCGCGCAAATCGGTA AAAACGTGCACTTGAGCGGGGGCGTCGGCATCGGTGTGTACTCGAACCCCTGCAGGCCG CACCCACCATCATTGAAGACAACTGCTTCATCGGTGCGCGTTCTGAAATCGTTGAGGGCG TGATTGTCGAAGAAGGCAGCGTGATTTCTATGGGCGTGTTCATCGGTCAATCCACCAAAA TCTTTGACCGTACAACCGGCGAAATCTATCAAGGCCGCGTACCGGCAGGTTCGGTTGTCG TATCCGGCAGTATGCCTTCCAAAGACGGCAGCCAGCCTTTACTGCGCCGTCATCGTCA AACGCGTGGACGCGCAAACCCGTGCGAAAACCAGCGTCAACGAATTGTTGCGCGGCATCT GATGCCTTAAACCGTATTTGAAACGTCCAATGCCGTCTGAAATCCGCTTCAGACGGCATT GCCGTTTGCACGCTGCAACGTGAAAACACAGAAACAGGGACAATTTGCTATAATCAACGG TTTAGAACGAACCGAACACTATTTGAAGGATACAAAATGGGTTTTCTGCAAGGCAAAAAA ATTCTGATTACCGGCATGATTTCCGAGCGTTCCATCGCTTACGGCATCGCCAAAGCCTGC CGCGAACAAGGCGCGGAACTGGCGTTTACCTACGTTGTGGACAAACTGGAAGAGCGCGTC CGCAAAATGGCGGCGGAATTGGATTCCGAACTTGTATTCCGCTGCGATGTCGCCAGCGAC GACGAAATCAACCAAGTGTTCGCCGACTTGGGCAAACATTGGGACGGCTTGGACGGTTTG GTGCATTCCATCGGTTTTGCGCCGAAAGAAGCCTTGAGCGGCGACTTCCTCGACAGCATC AGCCGCGAAGCGTTCAACACCGCACACGAAATTTCCGCATACAGCCTGCCCGCGTTGGCA AAAGCCGCCCGTCCGATGATGCGCGGCAGAAATTCCGCCATCGTCGCCCTGAGCTACTTG GCAGGCATCCGCTTTACCGCTGCCTGTCTGGGTAAAGAGGGCATCCGCTGCAACGGTATT

TCCGCCGGCCCGATTAAAACGCTTGCCGCCTCCGGCATCGCCGATTTCGGCAAACTCTTG GGACACGTCGCCGCCACAACCCGCTCCGCCGCAACGTTACCATTGAAGAAGTCGGCAAT ACCGCCGCCTTCCTGCTGTCCGACCTGTCGTCCGGCATTACCGGCGAAATCACTTACGTT GACGGCGGTTACAGCATTAATGCCTTGAGCACCGAGGGATAATCCGCCGTTTTCAAATCC GTGCGCCGTCCGTGCCGCATATCGGTTTCGGGCGGCGTTTTGCCGTCTGAAGCGTATTTC TAGGGAAATGCCCGACTTACGGCAGGCGGGATGGGAAATGCGGACGCTTGTTTTAACCGA TTGCCTTTGTGCCGACTTGCTGCAGGTGCAGCGGAAACGGTTCGGATGCGAAAATGCCGT CAGCCAGCCGTATTTGTCTTCCGCCAAACCATACTGGATGTCGGTAATCGCCTTACGGAT AACGGGCGAGATGACGGCTGCCGTACCGGTCAAAATGGCTTCCGCACCGTTTTCCACCGC AGCTTTGAGTTCGTCAACCGTGAAATTGCGTTCGCTGACGGTATAGCCCAAATCTTTGGC AACCGTCAGTACGGAATCGCGGGTTACGCCGTGCAAAAACTCGTCGGTCAGCGGTTTGGT AATGATTTCATCGCCGTTAATCAGGATAAAGTTGGACGCGCCGGTTTCCTGCACGTCGCC GTTCGGGCAGAACAGGACTTGATTTGCGCCATATTCGGCTTTCGCCTTCAGCACCCAGTG CATGGCGGAAGCGTAGTTGCCGCCGCATTTGACGCGGCCCCATATGCGGGGCGCAGCGGAT GTGTTCGGTTTCCACCAAAATTTTGACGGGCGATCCGACTTTGAAATAGTCGCCGACGGG GGAAGCCAAAATATACAGCAGGGCGGTTTCGGAAGGAGAACCGGCCTTGCCGATAACGGG ATCGGTACCGATTAAGGTCGGACGCAGGTACAGGGCGCAGGCGCATCGGGAATTTCATC GGCGGCACGTTTGACCAATTTGATTAGCGCGTCAAGATAAGCTTCGGTTTCGGGGCGCGG CACGATTTTGCCGTCTGCCTGACGGAAGGCTTTCAGTCCCTCGAAACATTCGCTGCCGTA CTGCCATTTGCCTTCGCGGTAGGCGAGGACGGCATTTGACTGTGAAAAACGCTGCCGAA TACGGCGGGTACGGGTCTGCTCATGATGTAAAGCCTTTCTTATTCTGATATGTTTCAATG AACGGTTTGAATTTGAAGATTGTAAAGATACGCCTGCAAACAGGGTTTTGACAAGTGCGC GGCGGGTTTTTCTGTCGATGCGGTGTCCAATCCGTTATTTTTCAAATGGAAAGGAACGGT GTATTTGGTAAAATTGTCGGCAATCGCATACTCCGTATGTCGTCCGAACACGCTGCCGCA TCCTATCCGAAACCGTGCAAATCGTTTAAACTAGCGCAATCTTGGTTCAGAGTGCGAAGC TGTCTGGGCGGCGTTTTTATTTACGGAGCAAACATGAAACTTATCTATACCGTCATCAAA ATCATTATCCTGCTGCTCCTGCTGCTGCCGTCATTAATACGGATGCCGTTACCTTT TCCTACCTGCCGGGGCAAAAATTCGATTTGCCGCTGATTGTCGTATTGTTCGGCGCATTT GTAGTCGGTATTATTTTTGGAATGTTTGCCTTGTTCGGACGGTTGTTGTCGTTACGTGGC GAGAACGGCAGGTTGCGTGCCGAAGTAAAGAAAATGCGCGTTTGACGGGGAAGGAGCTG ACCGCACCACCGGCGCAAAATGCGCCCGAATCTACCAAACAGCCTTAAGAAAGCCGATAT GGACAACGAATTGTGGATTATCCTGCTGCCGATTATCCTTTTGCCCGTCTTCTTCGCGAT GGGCTGGTTTGCCGCCCGCGTGGATATGAAAACCGTATTGAAGCAGGCAAAAAGCATCCC GGAGTTGGCGGAAGTCGTCGACGGCCGGCCGCAATCGTATGATTTGAACCTCACCCTCGG CAAACTTTACCGCCAGCGTGGCGAAAACGACAAAGCCATCAACATACACCGGACAATGCT CGATTCTCCCGATACGGTCGGCGAAAAGCGCGCGCGCGCTCCTGTTTGAATTGGCGCAAAA TAAAATGGCGCGTGAAGCCAGACAGCACCTGCTCAATATCTACCAACAGGACAGGGATTG GGAAAAAGCGGTTGAAACCGCCCGGCTGCTCAGCCATGACGATCAGACCTATCAGTTTGA AATCGCCCAGTTTTATTGCGAACTTGCCCAAGCCGCGCTGTTCAAGTCCAATTTCGATGT CGCGCGTTTCAATGTCGGCAAGGCACTCGAAGCCAACAAAAAATGCACCCGCGCCAACAT GATTTTGGGCGACATCGAACACCGACAAGGCAATTTCCCTGCCGCCGTCGAAGCCTATGC CGCCATCGAGCAGCAAAACCATGCATACTTGAGCATGGTCGGCGAGAAGCTTTACGAAGC CTATGCCGCGCAGGGAAAACCTGAAGAAGGCTTGAACCGTCTGACAGGATATATGCAGAC GAAAGAAGCCGCGCAAACCGCCGTCGAGCTTGTCCGCCGCAAGCCCGACCTTAACGGCGT GTACCGCCTGCTCGGTTTGAAACTCAGCGATATGAATCCGGCTTGGAAAGCCGATGCCGA CATGATGCGTTCGGTTATCGGACGGCAGCTACAGCGCAGCGTGATGTACCGTTGCCGCAA CTGCCACTTCAAATCCCAAGTCTTTTTCTGGCACTGCCCCGCCTGCAACAAATGGCAGAC GTTTACCCCGAATAAAATCGAAGTTTAACCACCACCGAAAGGAACACAAAAAATGCGCTT ACTCCATACTATGCTCCGCGTGGGCAATCTCGAAAATCCCTCGATTTCTACCAAAACGTT TTGGGTATGAAACTGCTCCGCCGAAAAGATTATCCCGAAGGCAGATTTACCCTTGCCTTC GTCGGTTACGGCGATGAAACCGACAGCACGGTTTTGGAACTGACGCACAACTGGGATACG GAACGATACGACTTGGGCAACGCCTACGGACACATCGCGGTTGAAGTGGACGATGCCTAC GAAGCCTGCGAACGTGTGAAGCGGCAGGGCGGAAACGTCGTCCGCGAAGCCGGCCCGATG AAACACGGCACAACCGTGATAGCCTTCGTCGAAGACCCCGACGGATACAAAATCGAGTTC ATTCAAAAGAAAAGCGGCGACGATTCGGTTGCCTATCAAACTGCCTGATACCGCCGCCGC CAATGCCGTCTGAAGCCTTTAGGGGTTTCAGACGGCATTTTGTTGCCGTCGACCTGCTGT TTGAGCCTGTGCCGGTTCAAACTTTATCCGTTACACCGATAAGGCAAAAAAGATGCCGTC TGAAACGGCATCCTTGATCTGCGAAAGGGCAGTTGGGAATCAAATACCCAATTCCTGCGC CAATGCTTGGGCACGTTTGAGTACGTCGCCTTCCGCTTCTTCCAGCAATTTCTGCACTGT CTCGGCAGCGGCATCGCGGTCGCCGATTTCGAGATACATTTCGGCAAGGTCGTATTTCGC TTCGGAAGGCGCGTCAGAACCTACAGATTCCGAAGGGAAACTGGTATCTGCATTATTTGG GATATTTTCTTCCGAGAGGTAGATGCTCCAATCTACCGTTTCCTCCTCGCCGTCTTTCAG GAAGTCGGGCAAAGCGTCTGCCTCAGAGGTGTTGGAATCAGGCGTTTCCAAAGTGATTTC CGCTGCATTTTCCTCAACGGCCGGTGCTTCAGCAGGTTGCAACAGTGCGGACAAATCATC GGCAACGGTTTCCGCTGCATTTTCCTCAACGGCAGGTGCTTCAGAAGGTTGAAGTAATGC GGACAAATCGTCTGCGGTGGCGTTGAAATCGGGTGTTTCGGCAACGGTTTCCGTTACATT TTCCTCAACGGCCGGTGCTTCAGCAGGTTGCAACAGTGCGGACAAATCATCGGCAACGGT TTCCGCTGCATTTTCCTCAACGGCAGGTACTTTAGAAGGTTGAAGTAATGCGGACAAATC

GTCTGCGGTGGCGTTGAAGTCGGGTGTTTCGGCAACGGTTTCCGTTATATTTTCCTCAAC GGACGGTGCTTCGGCAGGTTGAAGCAATGCGGACAAATCGTCTGCGGCGGCGTTGAAATC GGGCGTTTCAGGCGCAGTTTCCGCGACGGCATCGGTTTCGTACACTTTCAGGAAATCGTG CAACTCTTCCGGTGTTTGGACTTCGGCAACTGTTTTTTCCAAGATGGTTTCGGGCGAGGA AGCCTTCAGGAAGCCTGCCAGTCCGGAGGGTGAGGCAGGTTTTGCGGAAGCTGTTTCTTC TGTGCCGATATGGTTGTTTGAGGGCAGGTTGTCGGAGAAATCGGTATCGACGGTTTCCGG TTTGTTTTCGGCAGTTTGGGCGACAGATTCCGGTTCGGGCGTGTCGATGACGATTTCGAC CCAATCGGCATCCGCGCGTTTTTGGGTTTCTTCATCCTGCGTAAGTGCGCCGGATAAAAT GCCGTTTTGCGCGGCTGCCAGGCTGTCGAAATCCAAGTCGATGCGGTTGGAAGGCGTATC **GGTTTCGACATCGAACGTTTGTTTTGCCGATAACTCTTCTTCAGATTCCCCATCTAAGGC** AAGTGTGTCGTTTACATCGTTTTTCGGAGCGGGTTCGGGCGTTGCCGGAGTTTCGACTTC GGCAAAGGTGATTTCTATGCCGTCGTCTGCCGCGTCGTCAAGGTCAGGCTCTTCCTCAGG GACGGATTCTTCGGTACGGCGCGCGCGTTTGGATTGGGCAAGGCGCAAAAGCAGCAGCAG GGCGATTAATGCCGCGCCTCCGCCGGCAAGCAGCAAGGTGTACGAACCGCCGAACAGACC GTCAAACAGTCCGCTTTCGGTTTCTTCTTCGGCAGAAACCTGTTCGACAGGTTCGGAAAC GGCGTTACCGGTTTCGTCGGTCGGCGTGTCGATGGCAGAAGCGGCGGCTTCTTGGGGGGC **GGATTCGGCAGCGGTTTCCGATGCGGCAGTATTTGCAGCGGGTACAGGTTCGGGTCGAAC** ${\tt GGCCGGTTTTCCGCTTTGCTTCGGGCGCGGCAACTTTTGCTTCAGGTTTTTCAACCGG}$ TTTCTCTACCGTTGCCTGTTTGGACGGTTCGGACGGCATGGATGCGGTTTCGGCTTTGGG TTTCGCCGTTTGCGGTTTGGGTTGTTCCGCTTTGATCCTGTTCAGATTCGGAATGTGAAG CACGCTGCCCGCACGCAGTCTGCCGTGTGCGGAAACATTTGGGTTTGCCTTCAGCAGCGC ATCGGCAACCTGTTCGAGCGTCAGGTGTTTCGGGCGGATGGCGGCGAATCTGTTTGAC CGTTTCGCCTTTGCGGACGGTATGGGTTTTGCCGTTGTATGCCGGTTTGACGGCTGCGTT ${\tt CGCGCTGTCTTTTTTATCGGTTTTGCGGAGGGCTTTGGCGTTTTGATTTTCTTGGGACTC}$ TGCTGTCGGAGCGGTTTTGCGGTGTCTTGCCGTCTGAAAGTGCAGATTTGGTTTTGGG CGAGTAGCCGACAGGATCGAGGATGGCGGTGTATTCGCGTACCTGTGCGCCTGCGCCGAT GCGGAACACCAGGACGGGATCGCGGACTGCCTGTTCGGAAGAAACGGCAATGACGGCTTT GTCGCCCAACTTGTGGACTTTGGCGGTCAGGCCTTTTTCGGAAACGGTAACGCTGCCGCC GCCTAGCAGGCCTTTGGCTTCTTCGCCGGTTACGGTAATGCTGCCGGAAAAGGGTTCGTC AAGGTTGGACTGGATATTCAGTCCGCCCAGTCCAGCATGTGCCTGAAAGGATGCGGCAAC TGCGACGGAGGCGGCAATCAGTTTGATTTGTCTGTTGTTTTTCAAGATGTATCCCCTGTG GGTTGGCGGCTGAATACGGTTTGACCGCGTACAGTCTGTAAATTTCGTCATCATCGGGCA TTAAACGGCAATCATTCGCCGTTTTTACAAATTATGACATATCTCCATCTTTTTTCAAAA ACATCTGTGCATATTTGCATCAATCAAAACAAAATTTGTTGGTTTTGCAGGTGCAAAAAC AGGGTTCTGCCTGTATGATTAGCGTTTATTTGATTTGCTTTCTCATTTGGATATGAAATT CGTCAGCGACCTTTTGTCCGTCATCCTGTTTTTCGCCACCTATACCGTTACCAAAAACAT GATTGCCGCAACGGCGGTCGCATTGGTTGCCGGTGTGGTTCAGGCGGCTTTTCTGTATTG GAAATATAAAAAGCTGGATACGATGCAGTGGGTCGGATTGGTGCTGATTCTGGTATTCGG CGGCGCAACCATTGTTTTGGGCGACAGCCGCTTCATTATGTGGAAGCCGAGCGTTTTGTT TTGGCTGGGCGCGCTGTTCCTGTGGGGCAGCCACCTCGCCGGTAAAAACGGCTTGAAGGC GAGTATCGGCAGGGAGATTCAGCTTCCGGATGCCGTATGGGCGAAATTGACGTATATGTG GGTCGGTTTCCTGATTTTTATGGGTATCGCCAACTGGTTTGTGTTTACCCGGTTCGAGTC GCAATGGGTCAACTATAAAATGTTCGGCTCGACTGCACTGATGCTTGTTTTCTTTATTAT TCAGGGTATTTATCTGAGTACCTGTCTGAAAAAGGAGGATTGACTGTGGAATATTTTATG TTGCTGGCAACAGACGGGGAGGATGTGCACGAGGCGCGTATGGCGGCACGTCCCGAACAC CTCAAACGGCTGGAGACGCTGAAGTCGGAAGGCCGGCTGTTGACGGCAGGCCCGAATCCT TTGCCGGAGGACTCCAACCGCGTTTCGGGCAGTTTGATTGTGGCGCAGTTCGAGTCTTTG GATGCGGCGCAGGCTTGGGCGGAAGACGATCCCTATGTTCATGCAGGCGTGTACAGCGAA **AACGCCTGCAGACGCTCGATCCGCTGGTGTTGGAAATCGGCGATGAGAGCCATCTGCACA** AAGGACACGCGGGCAATACCGGCGGCGGACATTATGCCGTTTTGGTCGTTAGCGGCCGTT TTGAAGGCGTAAGCCGCCTGAACCGCCAGAAAACGGTCAAATCGCTGCTCAAAGATTTGT TTTCAGGCGGCATGATTCACGCGCTCGGCATCCGGGCGGCTACCCCTGACGAGTATTTCC **ATACGGCGGACTGAATGAAGTCTGCCCGAACATTTCAATTTAAAATTTAAAGAGAGAAGA** TTATGAAAGCAAAAATCCTGACTTCCGTTGCACTGCTTGCCTGTTCCGGCAGCCTGTTTG CCCAAACGCTGGCAACCGTCAACGGTCAGAAAATCGACAGTTCCGTCATCGATGCGCAGG TTGCCGCATTCCGTGCGGAAAACAGCCGTGCCGAAGACACGCCGCAACTGCGCCAATCCC TGCTGGAAAACGAAGTGGTCAATACCGTGGTCGCACAGGAAGTGAAACGCCTGAAACTCG ACCGGTCGGCAGAGTTTAAAAATGCGCTTGCCAAATTGCGTGCCGAAGCGAAAAAGTCGG GCGACGACAAGAAACCGTCCTTCAAAACCGTTTGGCAGGCGGTAAAATATGGCTTGAACG GCGAGGCATACGCATTGCATATCGCCAAAACCCAACCGGTTTCCGAGCAGGAAGTAAAAG CCGCATATGACAATATCAGCGGTTTTTACAAAGGTACGCAGGAAGTCCAGTTGGGCGAAA TCCTGACCGACAAGGAAGAAAATGCAAAAAAAGCGGTTGCCGACTTGAAGGCGAAAAAAG GTTTCGATGCCGTCTTGAAACAATATTCCCTCAACGACCGTACCAAACAGACCGGTGCGC CGGTCGGATATGTGCCGCTGAAAGATTTGGAACAGGGTGTTCCGCCGCTTTATCAGGCAA TTAAGGACTTGAAAAAAGGCGAATTTACGGCAACGCCGCTGAAAAACGGCGATTTCTACG GCGTTTATTATGTCAACGACAGCCGCGAGGTAAAAGTGCCTTCTTTTGATGAAATGAAAG GACAGATTGCGGGCAACCTTCAGGCGGAACGGATTGACCGTGCCGTCGGTGCACTGTTGG GCAAGGCAAACATCAAACCTGCAAAATAATTCTGAAAACGGGATATGGCGGCAAGACGTT CAGACAGGCGTTTTGCCGCCGCGCAGGACAGGGAATACCATGAAACAGAAAAAAACCGCT GCCGCAGTTATTGCTGCAATGTTGGCAGGTTTTGCGGCAGCCAAAGCACCCGAAATCGAC CAGTCCCAAAAACCGGACGGCAGCCAATCCGAAACGATGCCGTCCGCCGGCTACAAACT

TTGGAAGTTTTGAAAAACAGGGCATTGAAGGAAGGTTTGGATAAGGATAAGGATGTCCAA AACCGCTTTAAAATCGCCGAAGCGTCTTTTTATGCCGAGGAGTACGTCCGTTTTCTGGAA CGTTCGGAAACGGTTTCCGAAGACGAGCTGCACAAGTTTTACGAACAGCAAATCCGCATG CTGCTCAAAGGGCTGTCTTTTGAAGGGCTGATGAAGCGTTATCCGAACGACGAGCAGGCT TTTGACGGTTTCATTATGGCGCAGCAGCTTCCCGAGCCGCTGGCTTCGCAGTTTGCCGCG ATGAATCGGGGCGACGTTACCCGCGATCCGGTCAAATTGGGCGAACGCTATTATCTGTTC AAACTCAGCGAGGTCGGGAAAAACCCCGACGCGCAGCCTTTCGAGTTGGTCAGAAACCAG TTGGAGCAGGGTTTGAGACAGGAAAAAGCCCGCTTGAAAATCGATGCCCTTTTGGAAGAA AACGGTGTCAAACCGTAATGGCATTTCCAATACCGATGCCGTCTGAAGCCTTTCAGACGG CATTGCACGTTCAGGTAAGGAGGACGGCTTATGCGTGCGGTCATACAGAAAACGGTAGGT GCAAAGGTGGATGTCGTGTCCGAAGCCGGCACGGAAACCTGTGGCAAAATCGACGGCGGG TTTGTCGTGTTACTCGGCGTAACGCATAGCGACACAGAAAAAGATGCACGCTATATCGCC GACAAAATCGCCCATTTGCGCGTGTTTGAAGACGAAGCGGGCAAGCTGAACCTGTCTTTG AAAGATGTCGGCGGCGCGGTGCTGCTGGTGTCGCAGTTTACGCTTTATGCCGACGCGGCA AGCGGGCGGCGCCTTCGTTTTCCCAAGCCGCACCTGCAGAACAGGCGCAGCAGCTTTAC CTGCGAACGGCGGAACTGTTGCGCGGACACGGGATTCATGTCGAAACAGGGCGTTTCCGC ACGCATATGCAGGTGTCGCTCTGCAACGATGGGCCGGTAACCATACTGCTGGACTCTTTC ATGACGCGGATTTCCCCAAAAATGAAGGTTGTTCCGGATTGAAATTGAATCCGCAATGAT AAAATATCGACAATGAACGACAATACACACCCTTCCCCCGCGCCACCTGTCCGTCGCC CCCATGCTCGACTGGACGGACAGGCACTACCGTTACCTTGCCCGCCAGATTACCCGAAAT ACTTGGCTGTACAGCGAAATGGTCAATGCCGGTGCGATTGTTTACGGCGACAAAGACCGC TTTTTGATGTTCAACGAAGGCGAGCAGCCGTCGCCCTGCAACTGGGCGGCAGCGATCCG TCCGATTTGGCGAAAGCCGCCAAAGCCGCCGAGGCATACGGTTACAACGAGGTCAACCTC AACTGCGGCTGCCCCAGTCCGCGCGTGCAGAAAGGCTCGTTCGGCGCGTGTCTGATGAAC GAAGTCGGGCTGGTTGCCGACTGCCTCAACGCCATGCAGGATGCGGTCAAGATTCCCGTT ACCGTCAAACACCGCATCGGTGTGGACAGGCAGACCGAATACCAAACCGTTGCCGATTTC GTCGGCACGCTGCGCAAAACCGCCTGCAAAACCTTTATCGTCCACGCCCGCAACGCT TGGCTGGACGGTCTTTCCCCCAAAGAAAACCGCGACGTTCCCCCGTTGAAATACGATTAC GTTTACCGCCTCAAGCAGGAGTTTCCCGGGCTGGAAATCATCATCAACGGCGCGCATCACC ACCAACGAAGCAATCGCAGGACACCTGCAACACGTTGACGGCGTGATGGTCGGGCGCGAG GCGTACCACAACCCGATGGTGATGCGCGAATGGGACAGGCTGTTTTACGGCGATACCCGC AGCCCGATTGAATACGCCGATTTGGTGCAGCGTCTCTACACATACAGCCCAAGCCCAAATC CAAGCCGGACGCGCACAATCTTGCGTCACATCGTCCGCCACAGCCTTGGGCTGATGCAC GGTCTGAAAGGCGCGCGGACTTGGCGGCGTATGCTTTCCGACGCAACGCTCTTGAAAGAC **AACGACGGCAGCCTGATTCTCGAAGCGTGGAAAGAGGTCGAACGGGCAAATATGCGCGAA** TAGGGCGGGCTGTATGTGTGAAATGCCGTCTGAAGGCTTCAGACGGCATTTGTGCGTTT GTCGGCGGTGTTTAGGGGGCGGTAACGGCGTGTTTCGGCACTTTGTCCATATCCCAGTG TGCCACCGCCCAGTCGAGCAGTTCGGCAGGGCGGTCGGTTTCCGGTGCTTCGGGCAGCTT GAGGTAACGGAACACTTGGCGGAGGAGTTGTTCGCGGCGGTTTAAATCCAATGCGGGGGC GAGCGTCTGTTTCGACCATTTCTGCCCTTGTGCGTTGGTCAGCAGCGGCAGGTGGGCATA TTGCGGTGTCGGAACGTCCAAACACTGCTGCAAATAGATTTGGCGCGGCGTGGAAACGAG CAGGTCTTGTCCGCGGACGATGTGGGTAACGCCCTGTTCGGCATCGTCGGCAACGACGGC GAGCTGGTATGCCCAGTAACCGTCTGCACGAAGCAGGACGAAATCGCCGATGTCGCGGGC GAGGTTTTGGGCGTAACCGCCGACGATGCCGTCTGAAAAACCGATAATGCGGTCGGGGAC GCGGATGCGCCACGCCGGCTGTTTGCCTTGCAGTGCAGGGCGTTGGCCGGGGTGGCGGCA ACGTCCGTTATAGACGAACCCGTCTGCGCCCCGCCTTGCCCCGGCCTGCCAGTCTTTGCG GCTGCAATGGCAGGGATAGACCAGTCCGGCGGTTTTCAGGCGGCATAGGGTTTCTTCATA CAGGGCGTAACGGCGGCTCTGATAGGCGACTTCTCCGTCCCACTCGAATCCGAATGCCTC AAGCGTGTGCAGGATATGGCTTGCCGCCCCCGGCATTTCGCGCGGCGGATCGAGGTCTTC CATGCGGATCAGCCATTTGCCGCCGTGCGCGCGCGCATCGGCATAGGAAGCGACGGCGGT CAGCAGCGAGCCGATGTGGAGCAGCCCGGTCGGGGCCAAAACGTCCTGTGTACAT ATCTGGTACAGCCCCTTTATTTAAGACTATTAATCAAAGCCATTATCTCATCTTTATTCA GTTCCATCCCGGGCTCTTCAAGCAAGGTTAAATCATATAGGGCATTATATTGCTCTTCGG TAGCTGAACCATCCATAAGAGCAGGCGAGAAAAAATCAAAGGCTCTATCTGCAATTCTCT CATTACTTGCATTTCTACTAACCAGTTTCGTCAATTCTGTATATTTTGAAAAGTTTATGG AAAAATAAAACAGCGAAAAAGTTTTGGTTTCGCTGTTTTTGATTTAATTAGCACTGATAA TCTTCAAATTCCCACGAAAAAAAACGAAGTAAATAAGTCAATGACTTTTCCCAAGTTTCT TTTGAACATTCTTTAAGAATTTTCTCAATTTCCGATTTAATAACAGAATGATTAAATTCA TTCATAATCATCATACCCGCCCCCATTTAACCCTTTGATTTTGGAAACAATTATGCAAA ATCCATTTAGGAGAGCATATGCGAACAGAAAATATATCTGCAGCATCACTATCATCAGTT CCTATGTCTAAATCAATTCCCACACAAAAATTGTCTTTGATTTCGGGAACGAAATCTTCA AAGGCACAATCGTAAAGATTGATGGCTTTCAATTCTAGGTTAATCATTTTATATTCAATA GTATGGGGAGGTACCGGATCCTTAAAAATCAGATCTGAATAAATTTCATTGGGTGAAATG ATTTCGATTGCTTTTGCCATGATTCTATTTCCTTTTGTGTTAGTGGGTAATGTCGTGCAT TAACTTCTTGCCCATTAATATTTTTAGGGTGAATCCTTGATATGCCGCACTGTGTCCGGT CAAACGGGCGATGCCGTCTGAAAGCCTTTCAGACGGCATCGGGAAAATGCCTAAGCCAAA GGCGCGAGCAGTTTTCAAACGCTTCTTCAAACTGTTTCAAACCGTCTTCCTGCAAACGC GTTGCCAAGGTTTCGACATCGATGCCGAGCGCGGCGGTTTCGGCGAGCTGCGCTTGTGCT TCTTCTACGCCTTCGGTCAGCGTGGCTTTGGCTGTGCCGTGGTCGATAAAGGCTTTGAGC GTGGCATCGGGAACGGTGTTGACGGTGTGCGCGCCGATCAGGCTGTCAACGTAGAGCGTG TCGGGATAGGCCGGGTTTTTCACGCCGGTAGATGCCCATAAAAGCTGCACGCGGTTTGCG CCTTTGGTTTCCAGCGCGGCAAATTCGGGGCTGCCGAAGTATTGCGCCCAGTCTTGGTAG GCGGCTTTGGCAAGGGCGATGGCGATTTTGCCTTTGAGGTGGTCGGGCAGTGTTGTGTCC AGCGCGCCGTCCACACGGGAGATGAAGAAGCTGGCGACAACTTGGATATGGGCAACGCTT

TGTCCGGCTGCTAAGCGTTTGGCGATGCCGCGCGCGTAGGCGTAGGCTTTGAGGGTT TGGGCGCGTGAGAACAGCAGGGTCAGGTTCACGCTGATGCCGTCTGAAACGAGGGTTTCG AGCGCATCGATGCCTGCGTCGGTGGCAGGCACTTTAATCATCGCGTTTTTTGCACCCGATG GCGGCGTAGAGGCGCGCGCTTCTTCAACCGTGCCTTGCGCGTCTTTGGACAATTCGGGC GAAACTTCGAGGCTGACGAAGCCGGTTTTGCCGCCGGTGGATTCGTGTTCGGCAAGGCAA ACGTCGCAGGCGCACGCACATCGCCAACCGCCATTGTTTCGTAGCGTTGTTTGGGGCTG AGGTTTTGCTGCTTGAGGGCGGCGATTTCATCGGCGTAAAGCGCGTCGCCGGCGAAGGCT TTTTGGAAGATGGCGGGATTGGAAGTTACGCCGCACACGCCCTGTTTCAACATTTGCGCC **GGGCTTATGCTACCCCGATTCGGAAATTTTGGGTAGTTTTATTACAGCAAAGGCGGATGG** CAATGGCAGAAAACGGAAAATATCTCGACTGGGCACGCGAAGTGTTGCACGCCGAAGCGG AAGGCTTGCGCGAAATTGCAGCGGAATTGGACAAAAACTTCGTCCTTGCGGCAGACGCGT TGTTGCACTGCAAGGGCAGGGTCGTTATCACGGGCATGGGCAAGTCGGGACATATCGGGC GCAAAATGGCGGCAACTATGGCCTCGACCGGCACGCCTGCGTTTTTCGTCCACCCTGCGG **AAGCGGCACACGGCGATTTGGGTATGATTGTGGACAACGACGTGGTCGTCGCGATTTCCA** ATTCCGGCGAAAGCGACGAAATCGCCGCCATCATCCCCGCACTCAAACGCAAAGACATCA CGCTTGTCTGCATCACCGCCCGCCCCGATTCAACCATGGCGCGCCATGCCGACATCCACA TCACGGCGTCGGTTTCCAAAGAAGCCTGCCCGCTGGGGCTTGCCCCGACCACCACCACCA CCGCCGTCATGGCTTTGGGCGATGCGTTGGCGGTCCTGCTGCGCGCACGCGCGTTCA CGCCCGACGATTTCGCCTTGAGCCATCCTGCCGGCAGCCTCGGCAAACGCCTACTTTTGC TGAAAGAAGCCATCGTCAGCATGAGTGAAAAAAGGGCTGGGCATGTTGGCGGTAACGGACG GGCAAGGCCGTCTGAAAGGCGTATTCACCGACGGCGATTTGCGCCGCCTGTTTCAAGAAT GCGACAATTTTACCGGTCTTTCGATAGACGAAGTCATGCATACGCATCCTAAAACCATCT CCGCCGAACGTCTCGCCACCGAAGCCCTGAAAGTCATGCAGGCAAACCATGTGAACGGGC TTCTGGTTACCGATGCAGATGGCGTGCTGATCGGCGCGCTGAATATGCACGACCTGCTGG CGGCACGGATTGTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCA **AAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATCTGTAC** TGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATAAGGCGTTGCAG CCGTTTCAGACGGCATTTGTGGTAAGATATGCCGTCTGAAAACAAGGAAATCCCATGCAG GCAATTTCTCCCGAATTACAGGCGCGCCGCCAAAATCAAACTGTTGATCCTGGATGTG GACGGCGTTTTGACCGACGGCGCATCTTTATCCGCGATAACGGCGAAGAAATCAAATCG TTTCACACACTGGACGGACACGGTCTGAAAATGCTTCAGGCAAGCGGCGTGCAGACTGCG ATTATCACGGGCCGGGACGCCCTCCGTCGGCATCCGCGTCAAACAGTTGGGCATAAAT GGCGTGGAAGAAGCCGAGTGCGCCTTTGTCGGCGACGACGTGGTCGATTTGCCGGTAATG GTGCGCTGCGGATTGCCGGTTGCCGTCCCCGGCGCATTGGTTTACGCGGCAACACGCC ATGCAGGCGCAAGGGACTTTGGGCGCGCTTTGAACGAGTACATCAAATGAAAGTAAGAT GGCGGTACGGAATTGCGTTCCCATTGATATTGGCGGTTGCCTTGGGCAGCCTGTCGGCAT GGTTGGGTCGTATCAGCGAAGTCGAGATTGAAGAAGTCAGGCTCAATCCCGACGAACCGC AATACACAATGGACGGCTTGGACGGCAGGCGGTTTGACGAACAGGGATACTTGAAAGAAC ATTTGAGCGCGAAGGGCGCGAAACAGTTTCCGGAAAGCAGCGACATCCATTTTGATTCGC CGCATCTCGTGTTCTTCCAAGAAGGCAGGTTGTTGTACGAAGTCGGCAGCGACGAAGCCG TTTACCATACCGAAAACAACAGGTTCTTTTTAAAAACAACGTTGTGCTGACCAAAACCG CCGACGGCAAACGGCAGGCGGGTAAAGTTGAAGCCGAAAAGCTGCACGTCGATACCGAAT CTCAATATGCCCAAACCGATACGCCTGTCAGTTTCCAATATGGTGCATCGCACGGTCAGG CGGGCGGCATGACTTACGACCACAAAACAGGCATGTTGAACTTCTCATCTAAAGTGAAAG CCACGATTTATGATACAAAAGATATGTAAGCTATTTGTTTTAATAGCATTTTTTTCGGCG TCCCCGCTTTTGCCCTTCAAAGCGACAGCAGGCAGCCTATTCAGATTGAGGCCGACCAA GGTTCGCTCGATCAAGCCAACCAAAGCACCACATTCAGCGGAAACGTCGTCATCAGACAG GGTACGCTCAATATTCCGCCGCCCGCGTCAATGTTACACGCGGCGGCAAAGGCGGCGAA TCCGTGAGGGCGGAAGGTTCGCCAGTCCGCTTCAGCCAGACATTGGACGGCGGCAAAGGC ACCGGTAATGCCAAAGTACAGCGCGGCGGCGATGTCGCCGAAGGTGCGGTGATTACATAC AACACCAAAACCGAAGTCTATACCATCAGCGGCACACAAAATCCGGCGCAAAATCCGCT TCCAAATCCGGCAGGGTCAGCGTCGTTATCCAGCCTTCGAGTACGCAAAAATCCGAATAA TGAAGAGATATTTATGAGTGCAAACGTCAGCCGCCTTGTTGTTCAAAACCTGCAAAAAG TTTCAAAAAACGCCAAGTCGTTAAAAGCTTCTCCCTCGAAATCGAAAGCGGCGAAGTCAT CGGACTGCTCGGGCCCAACGGTGCGGGTAAAACCACCAGCTTCTACATGATTGTCGGACT CATCGCCGCCGACGCAGGCAGCGTAACCCTAGACGGACAAGAATTGCGCCACCTGCCCAT ACACGAACGCGCCCGCCTCGGTGTCGGCTACCTGCCGCAGGAAGCCTCGATATTCCGCAA **AATGACCGTCGAACAAAACATCCGCGCCATCTTGGAAATCAGAACCAAAGATAAAAATCA AATCGACAGGGAAATCGAAAAACTGCTCGCCGACCTCAATATCGGACACTTACGCCGCAG** CCCCGCGCCGTCGCTGTCCGGCGCGCGAACGGCGCGCGTCGAAATCGCCCGCGTACTCGC CATGAAACCGCATTTTATTTTGTTGGACGAACCTTTTGCCGGCGTCGATCCGATTGCCGT CATCGACATCCAGAAAATCATCGGTTTCCTCAAATCGCGGGGTATCGGCGTACTGATTAC CGACCACAACGTACGCGAAACCCTCAGCATCTGCGATCGGGCCTACATTATTTCAGACGG TTATCTGGGTAAGAACTTCAAATATTGAAAATATTTTTCAGACGGGCGACCTAATATCGT ACATTGACTTAAACCTGTTTTCAAAGAATATTGCCCGATATGCTTGCATGTCGTCCCGTA ATTTGGTTTAATACGCATCTCTTAACGAGACAGACAAAGGCCAGATAGCTCAGTTGGTAG

AGCAACGGATTGAAAATCCGTGTGTCGGCGGTTCGATTCCGCCTCTGGCCACCAAAAAAC CGCCTTGAAGCGGTTATTTTTTTTGCCTGCCGTTTTTTGGGAAGTTGTCCGTGTCGGACAC GTTTTGTGTCTGACCGTTATGTAGAAGGGCAAAAATGATAATGACCGCCCCGTTGCGTTT TGGAGAAGAGGGTAAAGGCAGAAAGCATATGCCGTCTGAATGATATTTCAGACGGCATTT TATATTGCGGCGGCACTCAGTCCGTGTCGCTTTCAGGCAACTCTGCCGAACCCATGCGTT TGAGCACGATATTGGTTTTGTTGCGGAGCCGTTTGCTTTTCGGATGGTCGCCGTAGTAGA GCGGGGGGGACGCGCCGTCAGTTTTGCCGCCTGCTGTTTGGTCAGCTTGGCGGCGG GTATTTGATAAAAATACCGGGACGCGGCTTCCGCGCCGAAAACGCCGTAGTGCCATTCGA TTGAGTTTAAATACAGTTCAAAAATCCTGTCTTTGTCGGTAACGGCTTCCATCATCGCGG TAATCGCCGCTTCTTCGCCTTTGCGGATATAGCTGCGGCTTTCGTTTAAAAACAGGTTTT TGGCAAGCTGCTGGCTGATGGTCGAGCCGCCCCCCCTTCACTTTGCCGCTGTTCCGGTTGC GCCTGATGGCGTTTTGAATGCCGCCCCAATCGAAGCCGCCGTGCCCGGCGAAACGGGCAT CTTCGGAAGCAATCAGGGCTTTTTTCAGGTTGGTGGAAATGCGTTTGTAGGGCATCCAGC GGTAATCCAGTGCGACATCGCGACCTTCCTGTTCAAACTGCTTCATCCGCATCGACATAA AGGCAGTCCGATGGGGCGCGACGGCGCGGTAGGTAATGATGTTGCCGTACACATAGGCAT TGAAAAAGATAAAGATGCCGACGGGCAGGGCAATCAGCCATTTGATGATGCGGAACATGT TTATAGGGCTTTCATGTATTCGATAACGGGGCGGATATCGGGCGTAAATCCGCGCCAGAG GGCGTAGGAAGCCGCCGCTTGACCGACTAGCATACCCAGTCCGTCGGCAGTTTTTTTCGC ACCCGATTGTCGTGCAAAATCTAAAAACGGTTTTGCCGCGCAGCCGTACACCATATCGTA GGCAAGCGCGCAGTTTTGAAAAATATCGGGCGGAATATCGGGAATCTGACCGTTTAGACC GCCCGACGTGCCGTTGATGATATCAAAACCGCCGTTCACGTCCGCCATCGGGACGGC TTCAATGCCGAAAAGCTGCGCCAATTCCTCGGCTTTGGCGGGTACGGTTGGCAATGAC GCCCAAAAGCAAAATGGTTTTGCCCTCGATGGCAATATTTTTGACCTGCGTGATGTCGTT GGTCAAACCGATACCGTCGGTGTTGTCGCCACGCAGCTTGCCGTTTTTCAACGGAATCAG CGTATTGACCGCACCTGCCGCCAATGCGCGTTCGGAATGCTCGTCCGCCAGATGAAACGC TTCCTGTTTGAACGGTACGGTAACGTTTGCCCCGCAACCGCCTGTTTCAAAAAATGTCGA AACCGCCTGCGCGAAACCGCCGATGTCGGCGCAAATGCGTTCGTATTCAATGTCAACGCC TTCCTGAAGGGCAAATTGTTGATGAATTTGCGGCGATTTGCTGTGGGCGACGGGGTTGCC GAAAACGGCGTAGCGGGGGGGGGGGGGGTCATGGTCGTGTTCCAAAAGACGGGAAGGCTATT TTATAACGGCGGCGTACAGATGGAAACGATGCCGTCTGAAACCGCCTTCAGACGGCATCG TTTCCTGTATCGGTCGGGAAAAATCCGGATGCGGTGCGCCGGCTTGTCCGCATTGTTGAC AATCTTGCCGTCTGAAACTATATTTTCCGGCTTGAAATTTGACGCAAAACCGGTTTCAGA CGGCATCGGCGTGGTAAAATCGTGCCGACTTTGCGTCAAGCCGCCGCGTTCCGCATATTT AAGAAAGCGAAGCCCGCTTTGTCGATTTGCGCTTTACCGATACCAAAGGCAAGCAGCACC ACTITACCGTGCCTGCGCGCATCGTGTTGGAAGACCCCGAAGAGTGGTTCGAAAACGGTC AGGCGTTTGACGGTTCGTCTATCGGCGGCTGGAAAGGCATTCAGGCTTCCGATATGCAGT TGCGCCCCGATGCGTCTACAGCCTTCGTCGATCCTTTTTATGATGATGCGACTGTTGTGT TGACTTGCGACGTTATCGATCCCGCCGACGGTCAGGGTTACGACCGCGACCCGCGCTCCA TCGCCCGCCGAGCCGAAGCCTATTTGAAATCTTCCGGCATCGGCGAGACCGCCTATTTCG GTCCCGAACCCGAGTTTTTCGTATTCGACGGCATAGAATTTGAAACCGATATGCACAAAA CCCGTTACGAAATCACGTCCGAAAGCGGCGCGCGTGGGCAAGCGGTCTGCATATGGACGGTC AAAACACCGGCCACCGCCCGACCGTCAAAGGCGGTTACGCACCTGTTGCACCGATTGACT GCGGTCAGGATTTGCGTTCGGCGATGGTAAACATTTTGGAAGAACTCGGTATTGAAGTGG AAGTGCACCACAGCGAAGTCGGCACCGGCAGCCAAATGGAAATCGGCACGCGCTTTGCTA CTTTGGTCAAACGCGCCGACCAAACCCAAGACATGAAATATGTGATTCAAAACGTTGCCC ACAACTTCGGCAAAACCGCCACTTTCATGCCCAAACCCATTATGGGCGACAACGGCAGCG GTATGCACGTTCACCAATCCATTTGGAAAGACGGTCAAAACCTGTTCGCAGGCGACGGCT ATGCCGGCTTGAGCGACACCGCGCTCTACTACATCGGCGGCATCATCAAACACGCCAAAG CCTTGAACGCGATTACCAATCCGTCCACCAACTCCTACAAACGCCTCGTGCCGCACTTTG AAGCGCCGACCAAACTGGCATACTCCGCCAAAAACCGTTCCGCTTCCATCCGCATTCCGT CCGTGAACAGCAGCAAGGCGCGCCGCCATCGAAGCGCGTTTCCCCGATCCGACCGCCAACC CGTATTTGGCATTTGCCGCCCTGTTGATGGCGGGTTTGGACGGCATTCAAAACAAAATCC ATCCGGGCGACCCTGCCGATAAAAACCTGTACGATCTGCCGCCGGAAGAAGATGCATTGG TGCCGACCGTTTGCGCTTCTTTGGAAGAAGCACTGGCCGCCCTCAAAGCCGACCACGAAT TCCTCCTGCGCGGCGGCGTGTTCAGCAAAGACTGGATCGACAGCTACATCGCTTTCAAAG AAGAAGACGTACGCCGCATCCGCATGGCGCCCGCCGCTGGAATTTGAAATGTATTACA GCCTGTAAGCACGTCTGGTTTTCAGAAAAGCAATGCCGTCTGAACACAGTTTCAGACGGC AGGTTTTATCGGGCAAATCTTTTCCCGCAATATGCTTGTCTGTATTTTTACGGGGTTTAC CTCGGGGCTGCCGCTGTACTTTCTGATTAACCTGATTCCGGCGTGGTTGCGCAGCGAGCA GGTGGATTTGAAGAGCATCGGGCTGATGGCGTTAATCGGTCTGCCGTTTACTTGGAAATT TTTGTGGTCGCCGCTGATGGACGCGGTCAGGCTGCCCGTTTTGGGACGGCGCGCGGGTG GATGCTGCTGACGCAGGCAGGGTTGCTGGCGGCTTTGGCGGTCTATGCCTTTTTAAACCC TCAGGATATTGTATTGGATGCGTTCAGGCGCGAGATTTTGTCAGACGAAGAATTGGGTTT GGGCAACTCGGTTCATGTGAACGCCTACCGGATTGCCGCCCTGATTCCCGGTTCATTGAG GCTGCCCGGCCTTCTGATGACGCTGTTTCTTGCGCGCGAACCCGTGTTGCCTCCTGCCGT TCCTAAAACGTTGAAGCAGACCGTGGTAGAGCCGTTTAAAGAATTTTTTACGCGCAAGGG CATCGCTTCGGCGGTGTGCTGCTGTTTATCTTCCTTTACAAACTCGGCGACAGTAT GGCAACCGCGTTGGCAACGCCGTTTTATCTGGATATGGGTTTCAGCAAGACCGACATCGG TTTGATTGCGAAAAATGCAGGACTGTGGCCGGCAGTGGCGGCAGGTATCTTGGGCGGTGT

GTGGATGCTGAAAATCGGCGTAAACAAAGCCTTGTGGCTATTCGGCGCGGTGCAGGCTGT AACCGTTTTGGGGTTTGTATGGCTGGCAGGGTTCGGACCTTTCGACACGGTCGGCACAGG CGAGAGGCTGATGCTGGCGGCAGTTATCGGCGCGGAAGCGGTCGGCGTGGGGTTGGGGAC GGCGGCGTTCGTATCGTATATGGCGCGTGAAACCAATCCCGCATTTACCGCAACGCAGCT TGCGCTGTTTACCAGCCTGTCCGCCGTCCCGCGCACGGTCATCAATTCCTTTGCCGGTTA TCTGATTGAATGGCTCGGTTATGTACCGTTTTTCCAACTGTGTTTCGCACTCGCCCTACC GGGTATGCTGCTGCTGAAAGTTGCGCCTTGGAACGGGGAGAAAACTCAGGATGCAGG CAGATGAACGCGTCAAACTGGAGCGTTTACCTGATATTGTGTGAAAACAGCGCGTTCTAT TGCGGCATCAGCCCGAATCCGCAACAGCGGCTTGCCGCCCACACAACCGGTAAAGGCGCG GGAACGGCACTCAGGCAGGAAATCGCCGTCAAAAAACTGACCGCCGCACAAAAACGGCAA TTGTGGGAGCAGGCAGAAAAATGCCGTCTGAAACCTGACGGTTCAGGTTCGGACGGCAG TTGGCAGCAATCAGGGAAAAGCGGGGGGGGGGGGGTAAGGAAAACCGACGTTTCAACACACA GGACGGTACATAAAGCGTCGCCCTATGAAAGTGAAGGCATATATCAGTATTTTTATACG CCAACAGAAAAGAATACGATGAACTGTTTGTTGGATTTGTATTGATTAATCAGTATATTT **ATATAAAGAACGGGAAAATACGATGGGAAAATACGGTACAGCCCTCGACATCGCACAATA** TGTCAACTTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACA GATAGTACGGCAAGGCGAGACAACGCCGTACTGGTTTTTGTTAATCCACTATATTTGTTT GTTTTATATTGTAAGTATACGTATAGGCTTTGTAAAGGTAAATTGTGAAAAAAGCAGTTT TTTAAACGAATGAAACGGCTTCGGGCTGAAATATATGCTGATGCCCTGTCCTTCCCGTAT ATCTTGTGTGTTGTCAAAGTGCAGGCTGCTTTGAAATCGGTATTGCCATCTATGAACCAC CACTTTGTTTTATTTCAGCGGGCTTGAGATGTGTATAAGAATATTGTTTTGAATAAATTT AAAAAATGATAATCGTTATTGAAGATTTTTAAAGGAAAGCGTAGAGTGCCAATTCTATG **AAGCAATACGGTAAGTAACAATGAAAATATCTACTGCTTGGGTATAGAGCATATTTCACA** ACCCGTAACTATTCTTGCGGAAACAGAGAAAAAAGTTTCTCTTCTATCTTGGATAAATAT ATTTACCCTCAGTTTAGTTAAGTATTGGAATTTATACCTAAGTAGCAAAAGTTAGTAAAT TATTTTTAACTAAAGAGTTAGTATCTACCATGAATATATTCTTTAACTAATTTCTAAGCT TGAAATTATGAGACCATATGCTACTACCATTTATCAACTTTTTATTTGTTTATTGGGAG **TGTTTTTACTATGACCTCATGTGAACCTGTTAATGAACAAACCAGTTTCAACAATCCCGA** GCCAATGACAGGATTTGAACATACGGTTACATTTGATTTTCAGGGCACCAAAATGGTTAT CCCCTATGGCTATCTTGCACGGTATACGCAAAACAATGCCACAAAATGGCTTTCCGACAC GCCAGGGCAGGATGCTTACTCCATTAATTTGATAGAGATTAGCGTCTATTACAAAAAAAC CGACCAAGGCTGGGTGCTCGAACCATACAACCAGCAGAACAAAGCACACTTTATTCAATT TCTACGCGATGGTTTGGATAGCGTGGACGATATTGTTATCCGAAAAGATGCGTGTAGTTT AAGCACGACTATGGGAGAAAGATTGCTTACTTACGGGGTTAAAAAAATGCCATCTGCCTA TCCTGAATATGAAGCTTATGAAGATAAAAGACATATTCCTGAAAAATCCATATTTTCATGA **ATTTTACTATATAAAAAAGGAGAAAATCCGGCGATTATTACTCATCGGAATAATCGAAT** AAACCAAACTGAAGAAGATAGTTATAGCACTAGCGTAGGTTCCTGTATTAACGGTTTCAC GGTACGGTATTACCCGTTTATTCGGGAAAAGCAGCAGCTCACACAGCAGGAGTTGGTAGG TTATCACCAACAAGTAGAGCAATTGGTACAGAGTTTTGTAAACAATTCAAGTAAAAAATA ATTTAAAGGATCTTATTATGAATGAGGGTGAAGTTGTTTTAACACCAGAACAAATCCAAA CCTTGCGTGGTTATGCTTCCCGTGGCGATACCTATGGCGGTTGGCGTTATTTGGCTAATT TGGGTGACCGTTATGCGGATGATGCTGCTGCAATTGTCGGTAAGGATGCAAACTTAAATG AGACCCGTTTAATGTGTATTTCCGTTTTTTGGATTGTGGTTTTCAATTTGTAGCGAATCG GATTCGGCATATACGGCATTGCAAAAAGCGTTTGACTCTCCAATGCCGTCTGAAAACCGG TTTCAGACGGCATTTGCGTTCAGTGAGAAAGGTCGCGCCTGCCGCCCGAACGTCTCGCCG CAGCCTCTGCATAACGGCGCACCTCTTTTTCCAAATTTTCCAAGTTCAAAGGAAAATCAG GTTGCGCATGATAGGTCTGCATATCCGCCGTTACGCCATCCGCTTTCAATGCTACCGTCG **AAGATTGTGCAATAAAAAGATTTCCGTTTTTCAAATAATATTCGAAACTCTGGCGTTTTT** TTCCATTGTCGAAACTCCAATAGACTTTTTGCGGCAGACCGTCCGCATCATAGCCGACCA CAAGACTGTTCGCCTTCATCCCTCGGGGCATCAATTCCCGCATATTCTGATAAAACACAG AATTGCGCGAGTCCGACGCAATTCGGTTGCTCTCTTTGCGGAAGTCCCAAACCTTCTGCT CGTCATTCGCGACATCCCGGTATTTCGCCAAATATACCTGGGCCATCTGATAACACCCGA GGCAATGCTCATAAACATCTTCCCCGATTTTCCCGCGCCCCGCCGCATCAAATACCGAAC CGTCTGGTTGCCAAACAACCCGATATTCTCCTGTCGTTTCATAATTTTCCCCGTGAACCG TTCCGCCGTACACATTTACAGAAAACGGACGATCGTTCCGATACAGATATTCGGCATTAA CAAATGCTTCCGGCGAGCGTTGCGAAAGCGAAACCGCAACCAAACCGCCCTCGCCGATAT **GGTAATCCAGCCAAACCTCTTTCCCATGTTCCTGCTCCGTTACGTGAAACCATTTCGCCT** TTTCTTTCAAACGACTGAGCCGGATAGCGAGCGCGAGATAATCCTTCTCCGACTGCAACG GACCGTCATCCACAGTTCCGGCAAGATTTTCCTCCGTCCTTATCGATTCCTTCACGATGA CAACCGCCCTGTCGGCATTTCGGAACAGGCGGGCAAGTTTCGCCACAAAAGCATTCGGAT TTTTAGGTACTTCAGTTGCCGTATCGCTCAAAAACCAACGCGGATTAATCTCATAGGCAA TACCCGTTCCCAGCCAAAAGGCAAATACAAGTGCAAAAAATGACAACAGTACCGGTTTGA ATTTTTTAAACATATTTTTTTTCGTTTAACAGAATATATCGATTATATCAGACGAGCTT TGATTGCCGGGTTTTGCTATTTTTTGTTGTAATAATCAAATTGCACGTTGACTATGTCTT TCTCGGTAAAAATATAACGGAGCATTGTTTTAAGCCTTTCATAACGTTCATTAATTCCTA CGCTATCAGGTAGCCAAGGGGAAGCTTTAATTTCAAAAAGTTTCCAATTTGGAACCATTA AGAAATCAATAATGGTACCGATTCCAATGACAACATATCTTGGTATGTCCATCGGATAAG GATATTTTTTTTTAACCTCGATTAAATCATTCTCCAACTTCCAATATTCTTCATCATCCC ACACCCCGTCATCATACCATTTGCCAATAAATGAATTTTCGTCATACCCCTCAAAACAAG

ACGATTTAGGTTTTTATCAAATGTACCGTTTCTTGTTTCTTTTCTGTAATGTTATTCATC

GTAGTAAGGTTCTGTTGAATAATTGTCTTTGCCCCCGGCAATGATAGTAACAATTTTCCC TTTTGCTTCCCAAGCTTGTACTCCTATTTCATCAAACTCATAGACATATGTCGGATAAGA TTCATTTGATAAATATTTTATCAACACCGTATGATTTAGGGTAATGGAAAAGCTGTTT AAAATCTTCAAAATTCAGACCTATTATATTAACGCCCCATAAAATATAGCTCCTGATAACA **AAATATCGAAATAATTTTGTTTTTTTTTTTTGACGGAAATGAGTAAATTTGAGTCGGGAGA** TTTGTACTGTTATATCCGCACCAAAACGGAATATTCCTACAGAAGTAAAAGGTAAAAA TTCGGGAGTTTTAACGACCGCGTCGACCATGCTCTTCTCCTTTTGTTTTTCGATTGGCAT TTTTGGCAATATTTCTGATTTTTTGCTTAATCTTTAAGCGTTCATTTTTGGACATTCCGG GAATAATTTTATTTGTTAATTCAGCAATTTTTGATTCCGCTGATATTTGACTTCGACCGC CATCTCCATGTTTTTCATTCTTGGAGCTTCCTGTTCTTTTAGGCGGACAAGAATTATGAA CGGTCAGATTGTAGGCTTTGAGCGGTTTTGGTTTGACAACGGTTTTGCGGACGGTTTGGG TTCTGCCGCTTTCGGATAACAGCCTGCTTCCCGCTTTCAAATCTTCCGCTTTAATCCATT TGCCGTCCGAATAAAACGGATGGATGCGGTTGGAAATCAGGATTTGGCTGTTGCCGATGC CGTCTGAAAGCCGGATATCGCTTCAGACGGCATTTTGATTGCCCGGGTTTTGCTATTTTTT GTTGTAATAATCAAATCGCACGTTGACTATGTCTTTCTCGGTAAAAATATAACGGAGCAT CGTTGTGAATCTTTCATAACGTTCATGAATTCCCACACTATCAGGCAACCAAGGGGAAGC TTTAATTTCAAAAAGTTTCCAATTTGGAACCATTAAGAAATCAATAATGGTACCGATTCC AATGACAACATATCTTGGTATGTCCATCGGATAAGGATATTTTTTTCTAACCTCGATTAA ATCATTCTCCAACTTCCAATATTCTTCATCATCCCACACCCCGTCATCATACCATTTGCC AATAAATGAATTTTCGTCATACCCCTCAAAATAAGGAACGTTTCTTATAATATCCTTGAA CTCACACATAATAATGTATCTCCAATATAAACTTTTCGTCTCAATCTACCTTTACT ATGTTGTATTGGAAAGTAAAAAATTTCCAGTCCTCTACATCTAGATCAGTAAAAATATA ACGGAGCATTACCCTGAACCTTTCATAACGCTCATTAATTTTTGACACTTTTAGGCAACCA AGTAGAAGCTTTAATTTCAAAAAGTTTCCAATTTTGAACCATTAAAAAATCAATAATGGT CCATTTGCCAATAAATGAATTTCGTCATACTCCTTAAAACAAGGGATGTTTCTTCTAAA ATCCTTGAACTCGCACATAATAATTAATCTCCAATACGATTTAGGTTTTTATCAAATGTA CCGTTTCTTGTTTCTGTTCAGTTTTTCGGGTGAAGATGCCTCTTTCCAAGCACCT CCATTATGTGAATCTACATCGCGTGATATATAACTCTTTCCTTTTTTAAAAATAGCAGCA TCTGAATCATTCCCATATATGGGGGTAGATGGTGTTTTTCTTGGCGGACAATCATTATGA ACGGTCAGATTGTAGGCTTTGAGCGGCTGCTGTTTGAGGGGTAATGTTTTGAACCGTCTGT TTTCCTTGACTGTAAAACGGGTGGATTTTATTGGAAATCAGGGTTTGGTTGTTGCCGATG CCGTCTGAAATTTCAATGTAAACGGTTTCTTGATACGGATTGCCGTATCGGGCGGTAACG GGTTTGTATCCCGTTTTTCCGCTTGCCTCGTCCTTGGCGAAGACGCGGTCGCCGGTTCGG ATACGGGCAATGGCTTTGTAGCCGTCTGCCGTTTTGACCAAGGTGCTGCCGTGGAAGGAG GTCTGAAAGCTGAATACCGCTTCAGACGGCATTTTGGTGGTTTGGGTTTTTAAGCCAACCT ACGCTTACTGAAAACCAAATTGAGTTTCAGACAGTTTTTAGGTTTTGGGTGTCCAATCTAA TTCCATTATTGTTTTAATACATTTTTCAAAATAAATAATGAAATAAGATTTTACGCATGC ATATATTTTTGCAGATTCTTTCTCTTCGATATTAAAGGGACAATTATTCCAAAAATTATT AACATATGATGCCATGTTTAATCTCCTAAACCTGTTTTAACAATGCCGCCTTTTGATTCA ATATATGACTTAACTTGTGAATGAACACCGTATTTAAACCAAAATTCTGCACGTTTTCCC TTTTTAGGTTTATCTATTGCTGAAATTGTTCTTTTGGCTTGTATTAAAGCATCATTCGTA ACAGCGTCAATTTCTCTGCCGTTAATAAATTTTGATGAACCATCAGTTTTTCTTCTAATT AAATCTTCATAATGTATATCTAGAGCTTCTCTATACTTTGCATTTTGATATAACTGTCTC GCACTATCAGACAAAGCCAATTTCTTTTTATAAGAATCAGCAAAATCCCCGCTAACCGCA GCCTTCCCTGGTTTTGCCGCCTTTGCCAACTTCGCGACTTTGGCTGCTGCGGCAACGTTG AAGACGGCTTCGACGGTTTCGGCGGCATTGGGATTTTCCTGTATCCACCGGTCAACGGCT TCGCGCGTATTCTTTCAAAGCCCGCCACGCTGCCCAAGCCGCCGATGACGGCGAATTTG CCCTCGGCGGCCAAGGGGGCGATGTTGCGCATTGCGGCTTTGTCTATGGCATAGCGCGTT CCGGCGGCGACGCCGTTGATAAACTCCATGCTGTTGCCCCAGCGGTCGAGCTTGGCATTG TGCTCGAACATTTTTCTGTTGGCTTCATCGGCGCGGTCGGAGAAATTGCTGCCGAGGTTG CTGCGGGCTGTGCCGTTGACGTGATAGGTGTATTCGTCTCGTGCGCCCGTAGGTTTGGGG TAATTGCCGCCCTTCGGGCCGTCGTAGGCATCGGCGGGATGATGTTCGTGTCCTTCCCAG GCGGCGTGGTTGTCGAAGGGGGCGTGTTCTTCGTGTCCGGGAAAAGCGGGTGTGG TAGCCGATTGTGCCGTTGATGTTTGCCTGTTGGATGAGCAGGTTGCCCATCTGGTGGGTA TAGTCTTGGATGACGTTGATTTTGCCGGTGCGGTCGGAAACGCTGCCGCGGGGTCGCCG AAGAGGTGGTATTTGCCGCCGGGTTCGTAGTGCTGCCGTTGGGCGTTATCGGTAATGAAC GGGTCTTGCGCCAAGTCCGCCGCGAGGGCGGGCTGTATGAGTGCGGCCGCCGCTACGGCG CAGGCGGCAAGGAGGTTTGTCAGTCTGCGCAGCGGTTTCACGGTTTATCCTCCTTTGCGG

CGGTTTTGGGCGGTTGTCGCCGTAGGGGGTAATGTCGGAGAAATCGACCATCAGGCGG TCTGAGGCTTTGACGGTTTTGCTGACTTTGTAAGGGCCGGTCCAAAGGGCGTATTGTTCT TGGTATTGGGATTCGTAGGCGGCGGTTTTAGGGGTAATCAGCAGTTTCCGGCTGTCGCGG TCAACGGCGAAATATTCGAGCTTGGTTTGGGCTTTAAGGGTTTCGGCGTTGTAGAGGTGC AGTTCGGTACGGCTGCGGACGGTGCCGAATACGTCGACGGTTACGAATACGTCGGTGTCG GCGTATTCGGGCGGTACGACTTCGATGCCGCGCAGGTAGAAGACGGTTTGGATGAGGTTG GTCAGGAAGGAACGTCGCGGGGGTTGGCGAGCAGGGTTTCGTTGCGGTAGTCGCCCGTG CCGTTGACGGACAGTCCGGCGGAGCGTTCGCCTTTGCGTCCGCTGTTTTTCGTCAGGGCG GCGGCGGGGGCGTTCAAAAGCGATGTGGAAGTGGTTACGCTGGAGAGCGCGTCGGATTTG GTGGTGGCGGTAGTGTCGTAGGCGGGTAGCTGTATTGGGTGGCACTTTCGGGGTTGTTG TGGTAGCCGCCGCGTATCAGTGCGTCGATAGAGTAGCGTCCGCCGCTTATGTTGCCCGAA CCTTGGTCGCCCATAACGGAGACGTAAAGGGCGGCTTTGCGTCCTTTTAGGGCGGACAAA TCCATTTCTTTGACGGCGCGCGGGACGATGCGGCGACGAGTTCTTGTTCGACGGCAAAG CGTTTGCCGCCGCGTGGGCGGTATGCCGGTCAGTGTGCCGCAGGCTGTGAGGACGAGG TGTAAAGGGATTTTAAGGGTTTGTAAACAAAAGGGGCGAAAATGCCGTCTGAGCGGCGGA **AATGGCTTTCAGACGGCATTTGCGCTCAATAATAATATCCCGCGCCCAGAATACACGGTT** TGGATGCGCCGGTTGCTTTGTGCGGACTACCGGGAATGCGATTAATCCAACACGCCGCCA ACCACGCAAATGCGGCGGCTTCCACCCATTGCGGATCGAGGTTCAGGTCGGCGGTGCTGT GCAGGGAAACGCGTGTGCCGAAACATTCTGCCAAATCCGCCATTAAAACAGGATTGCGGA TGCCGCCGCCAAATGTACATTTGACGGGCATCTGCCGCTGCGTGTGAGACGGCGTCGC AAACGGTTTGCGCGGTAAAACGGGAAAGCGTCCGCAATACGTCGTATCGGTTTTCGCCGC CGTCAAGGTAGGTTTCGAGCCAATTTAGGGCAAACAGTTCGCGCCCCGTGCTTTTAGGGT GGGGTTGTGCGAAATACGGGTGGGCGAGCAGCCTGTCGAGCAGTTGCGGCAATATGTTGC CTTGTGCCGCCTTTGCACCGTTTTTGTCGTAAGGAAGCTGCCAGTGTGCCTGCGTCCACG CGTCCATCAGCATATTGCCCGGCCCTGTGTCGAAGCCGAAGGCGGGTGCGTCGGGGGGGA GTACGCTGATGTTGGCAATCCCGCCGATGTTCAGTACCGCGCGTGTTTCCCTGTTGTCGC CGCGGCTGCGGAAGTCGCCGACGGTAAAAATCCGCGTCCGTTCCGCCAGCAGCGGCAAAT ${\tt CGGCAAGCTGTATGCTGTAACCGTGTTCCGGCGCGTGTCGGACGGTTTGCCCGTGGCAGC}$ CGAGGGCGGTAATGTCGGACGGTGCGAGGTTTTGACTGCACAGCAGTTCGGCGGCGGTTT GCGCATATAGGCGGCTGAGTTCTTGCGACAAAATCCTGCTGCGGTGCAGTTCGTCTGCGC CTGTGTCCTGCAAATCCAGCAATTGGCGGCGTAACCTGCCGGGGTAGGGGGTAAAGGCGT GCCCTTCCGCGCCCAGCCATTTGCCGCCGTCCATCCGTATCAGTACGGCATCCGCCCCGT CCATGCTGGTTCCCGACATGATGCCGATGTAAAGCTGTGTTTCCATCATCACTCCCAAAC TGGTGCAAAACGCCATTTTAACGTGTATTGACGCTCGTATACCGATTTGCCGCCGCAGTG TAAATAAAGTGTAAATAAATGTTTCAAGACGGATGGAAAAATATTATAATGCGCCCGCAA CATCCAGTAGTAGAAGTGTCATACAAACCGTTTCCGGCAGCAGTTTTGCATTCGGTCAGG TTTGGGGGTATTCGGATGCGGTTAGGAAGGATGCGTCTGCCATATCCCGAAACGGCAGTT CGACCGGAGGCAGCAGTACAGTGTCGGCAACACTCATGATTTCCACCACATTAAAGGAAG ATTGCCATGGCTCAAATCCAAATGAGCGCAAATGTTAAAACCATCAACGCCGTCTTTGCC GCCATGCTGGTAGGTACAGTCGGCTATTTTATTTATTGGGGCTTGGGTTATACCCATTAC AATTACGCCGCCTTATTCATTATTGCCACGATGTTCGGCGTGTTTATGGCGTTCAACATC GGCGGCAACGATGTTGCCAATTCTTTCGGCACCAGCGTCGGTGCGGGTACGCTGACCATC GAGGTAACCAATACCATACGCAAAGGCATCGTCGATTTGAAGGGTGTTGATTTCGAACCC ATACAGTTTGTGTTTATTATGATGTCCGCGCTTTTGGCCGCCGCGTTGTGGCTGTTGTTT GCCTCGAAAAAAGGGCTTCCGGTATCTACCACCCATTCCATTATCGGCGGCATTGTCGGC **AGCGCGGTATGTATGGCGGTAATGAACGATGCCGCATCGGGCGATTTGATACGTTGGGGC** AAGCTGGGCGGTATTGGTGTTTCTTGGGTATTGTCGCCCGTGTTGGGCGGCGCGGTGTCC TATTTTCTGTTTTCGCGCGTCAAGAAAACGTCTTAGATTACAACGCTTGGGCGGAAGGC ACGCTCAAGGGCATCAAGCAGGAAAAAAAGGCCTATAAAGAACGGCACCGCCTGTTTTTC GAGGGTTTGTCCGAAGCCGAAAAAGTCGAGTACGCCACCAAAATGGCGCACGACGCGCAA ATTTACGACGAACCCGAATTCGATCCGCAAGAGCTGCAATCGGAGTATTACCGCGGTCTT TATGCGTTCGACAACCGTAAAAACAATGTCGATTCCTACAAGGCACTGCATTCTTGGATT CCCTTTATCGCTTCGTTCGGCGCGATGATGATTTCCGCTATGCTGATTTTCAAGGGCTTG AAAAACCTGCATTTGGGGATGAGCAACGTCAACAGCTTCCTGACCATCTTTATGATAGGC GCGGCGGTGTGGATGGGGACGTTTGTTTTTGCCAAAAGCCTCAAGCGTAAAGACTTGGGC AAATCGACCTTTCAGATGTTTTCATGGATGCAGGTCTTTACCGCCTGCGGCTTCGCATTC AGCCACGGTGCGAACGATATCGCCAACGCCATCGGTCCGTTTGCCGCGATTATGGATGTT TTGCGTACCAACAGCGTTGCCGCGCAAAATGTCGTCCCCCCGATTGCGATGCTGACTTTC GGCATCGCGCTGATTGTCGGTTTGTCGGTAAAGAGGTGATTAAAACCGTCGGT ACGAGTTTGGCGGAAATGCATCCTGCTTCGGGTTTTACCGCCGAACTGTCCGCCGCCTCC GTCGTGATGGGCGCGTCGCTGATGGGGCTGCCCGTGTCCAGTACGCATATCTTGGTCGGC GCGGTACTCGGTATCGGTCTGGTCAACCGCAATGCCAACTGGAAACTGATGAAGCCCATC GGTTTGGCGTGGGTCATTACCCTGCCTGCCGCCGCCGTATTGTCGGTTGTCTGCTACTTG GTTTTACAGGCAGTATTCTGATTGTAAAATACTGATGCCGTCTGAACCCGTGTTCAGACG GCATTTTGTTGATGGAATGTGCGGGCTTGTGCCTTATGCACAATCTGTTCTGTCGGGATA TGCCGTTTGGTATAGTGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTAC **AGCTAGTACGGCAAGGCGAGGCAACGCTGTACTGGTTTTTTGTTAATCCACTATATCTTGG** TTTCGGAACGGTCGGACACAAAGGTGCGGAACGTTATGATATGCCGCCGCCTGTTCTTGA **AAACACTTATCCTGCCGGCAGCAAAATGCCGTCTGAAAAAGCCTTTCAGACGGCATTTGT** ACGTTAGCCACAATCACACTGTTTGCGAATATTTCGCCTTGGTTTCTTTATGGCGCAGGT .GGTAATCGAAGACCATGGCGATGTTGCGGATGAGGAAGCGTCCTTTCGGGGTAACGGTCA GCCCGTGGCTGTTCAGGCGCACCAATCCCAAACCGGCGAGTTTTTCCAAATCCGCCAGTT

CGTCTTTGAAGTAGCGGTCGAACGGGATGCCGAACATACTTTCGTAAATCCGATAGTCGA GCGCGAAACGGCACATCAAATCCTGAATGATGTTGCGGCGCAGGATGTCGTCCTGATTGA GCTGGTAGCCGCGCATGATGGGCAGTCTGCCTTCGTCGATGGCGGCATAGTAGGCATCGA TGTCGCGTTCGTTTTGGGAATAGGTGCTGCCGATTTTGCCGATGGACGACACGCCGATGG CGACCAAATCGCAATCCGCGTAGGTCGAATAGCCTTGGAAGTTGCGCTGGAGGAAGCCTT CTTTGAGGGCGATGGAGAGTTCGTCGTCAGGTTTGGCGAAATGATCCATGCCGATGAAGA CGTAGCCGCGTTCGGTTAGGGTTTGGACGCAGTATTGCAGCATATCGAGCTTCTCTTCGC TGTCGGGAACGCGGGGTATCGATGCGGCGTTGCGGTTTGAACACGTGCGGCAGGTGGG CGTAGTGATAAAGGGCGAGGCGGTCGGGATCGAGCGACAAAACGGTATCGATGGTGGTTT TGATGCTTTCCGAAGTCTGGTGCGGCAGGCCGTAAATCAAATCGACGCTGACGGATTTGA ACCCCGCTTCGCGCGCCGCATCGATGACTTCTTTGGTTTCTTCGTAACTTTGGATGCGGT TGACCGCCGCCTGCACTTTGGGGTCGAAATCCTGAATGCCGATGCTCATGCGGTTGAAGC CGAGTCTGCCGAGCATGAGGACGGTGTCGCGGCTGACTTTGCGCGGGTCGATTTCGATGG AGTATTCGCCGGTGGGGATTAACTCGAAATGTTTGCGTATCATGCGGAAGACACGTTCGA TCTGTTCGTCGCTCAAAAAGGTCGGCGTGCCGCCGCCGAAGTGCAGTTGGGCAAGCTGGT GCCGTCCGTTCAGATGTGGAGCGAGCAGTTCCATTTCTTTTTCAAGATATTCGATGTAGG CATCGGCGCGCTTTTGTCTTTGGTGATGATTTTGTTGCAGCCGCAGTAGTAGCAGATGG GCAAATGTAAAGCTTTGATATATTCGCCTTCGCGGAAACCGTCATGGAAACGGTCGGCGG TAGGGTAGGAAGTGTAGCGCGGGCCGCTGGCGGCAGGCTGGCAATCAGCGCGCGGTCAA ACTCGGGGCGGTCATCGTTTACATTGTGATTGTTCTGTATCTGAATGATTTTCATGGTGT GTGTGTGCGGTTTTATGATGTTAGTCAAATTTTGGATAGTTTGGTAGAATGCCACAGTAT GATAAACCTGTCTTGATATGTGTCAATAAGCACATATAGTGGATTAAATTTAAATAAGGA CAAGGCGAGGCAACGCCGTACTGGTTTAAATTTAATCCACTATAATCATGATGGGGCAAA GCGCACAAAAAGGTACGGTATGGCTTCGCATAATACTACACATCAGATGAAAACGCTGTG TTCTTCCTGTTCTTTGCGGGAACTCTGCCTGCCTGTCGGGCTGCTGCCCAACGAGCTCAG CCAACTCGATGCCGTCATCCGTCAAAGCCGCCGCCTGAAAAAGGGCGAATACCTGTTCTG TGTCGGCGAAGCCTTTACCTCGCTCTTTGCCATCCGTTCGGGCTTCTTCAAAACAACCGT CGCCAGTCAGGACGGCCGCGATCAGGTAACGGGTTTCTTTATGTCGGGCGAACTCATCGG CATGGACGGCATCTGTTCCCATGTGCACAGTTGCGACGCGGTCGCCTTGGAAGACAGCGA AGTGTGCGAACTGCCGTTTACCCACATCGAAGAACTGGGGCAAAACATCCCCAGCCTGCG TACGCACTTCTTCCGCATGATGAGCCGTGAAATCGTGCGCGACCAAGGTGTTATGCTGCT GTTGGGCAATATGCGCGCCGAAGAGCGGATTGCCGCCTTCCTGCTGAACCTTTCCCAACG CCTTTATTCCCGAGGTTTTGCTGCCAACGACTTCATCTTAAGAATGTCCCGCGAAGAAAT CGGCAGTTATCTCGGGCTGAAACTTGAAACCGTCAGCCGCACATTATCTAAATTTCATCA GGAAGGATTGATTTCCGTCGAGCATAAGCACATCAAAATCCTCAATCTGCAGGTGTTGAA AAAAATGGTGTCCGGCTGCTCGCACGCCATTTGATTAACCCGTACGAACATTTCAGACAG AGTGCCGTCTGAAAACCGGCAGCCGCCTAAATCGAAAAATCCTCGCTGATGGGCGTGTAC AGAATCCTATCCACCTTCTCGCGTGTCAGGTGCGGCGCGAACGCTTGGATAAAGTCGTAG GCATATCCGCGCAAATAAGTATCGCTGCGCAAAGCAATCCACGTCGGCGACGGCTCGAAC AGGTGTGCCGCATCCACAAGCTGCAAATCGCCGTCCGTATCCGGGTTGTACGCCATTTTC GCCATCAGTCCCACGCCCAAACCCAAGCGCACATAAGTCTTCAATACGTCCGTATCTGCC GCAGCCAATGCGACATCGGGTTGTTCCAAACGGGCTTTGGAAAATGCCCGCGCGATGCTG CTGCCCGCATTGAATGCAAATTCATAAGTAATCAGCGGAAACCTCGCCAAATCTTCAATA CGGAGGGGTTTCTGCATTCGAGCAAGGGGTGGTCGTTCGGTACGATAACCGCATGAGTC CAGTCATAGCAGGGAAGTTTTCCCAGTTCGGGATGGTCGTCTATCCGTTACCAATC GCCAAGTCCGCCTGAGGTAACCATACGTGCGATGGCGGCAGGGCTCCCCTGTTTG ATGGTCAGGTTGACTTTCGGATAGCGTTTCACAAAATCGGCAACAATCAAGGGTAGGGCA TAGCGTGCCTGAGTATGCGTCGTGGCAACCGTCAGCGAACCGCTGTCCTGTCCGGTAAAC TCGCTGCCGATATTTTTAATGTTCTGAACATCGCGCAAAATACGTTCCGCAATATCCAAA ACCACCTTGCCCGGCTGCGAGACCGAAACCACGCGCTTGCCGCTGCGGATAAAAATCTGA ATGCCGATTTCTTCCAGCAATTTGATTTGTTTGGAGATGCCGGGTTGCGAAGTAAAC AAGGCTTCGGCCGCTTCGGAAACGTTCAGGTTGTGCTGGTAAACTTCTAAGGCGTATTTC AATTGTTGTAATTTCATGGCGGGTCGGTGTGGGTCTGTGTCGGGTGGCTGAACATTGTTT TTGTGCAACGGCAATCGTGCGATATGGAAAAAATCCCCCTAAAGTAATGACACGGAATTG ATTTTTCGGCATGATAGACTATCAGGAAACAGGCTGTTTTACGGTTGTTTTCAGGCGTTG AGTATTGACAGTCCGCCCCCTGCTTCTTTATAGTGGAGACTGAAATATCCGATTTGCCGC CATGTTTCTACAGCGGCCTGTATGTTGGCAATTCAGCAGTTGCTTCTGTATCTGCTGTAC AAATTTAATGAGGGAATAAAATGACCAAACAGCTGAAATTAAGCGCATTATTCGTTGCAT TGCTCGCTTCCGGCACTGCTGTTGCGGGCGAGGCGTCCGTTCAGGGTTACACCGTAAGCG GCCAGTCGAACGAAATCGTACGCAACAACTATGGCGAATGCTGGAAAAACGCCTACTTTG ATAAAGCAAGCCAAGGTCGCGTAGAATGCGGCGATGCGGTTGCTGCCCCCGAACCCGAGC CAGAACCCGAACCCGCACCCGCGCCTGTCGTCGTTGTGGAGCAGGCTCCGCAATATGTTG ATGAAACCATTTCCCTGTCTGCCAAAACCCTGTTCGGTTTCGATAAGGATTCATTGCGCG CCGAAGCTCAAGACAACCTGAAAGTATTGGCGCAACGCCTGAGTCGAACCAATGTCCAAT CTGTCCGCGTCGAAGGCCATACCGACTTTATGGGTTCTGACAAATACAATCAGGCCCTGT CCGAACGCCGCGCATACGTAGTGGCAAACAACCTGGTCAGCAACGGCGTACCTGTTTCTA GAATTTCTGCTGTCGGCTTGGGCGAATCTCAAGCGCAAATGACTCAAGTTTGTGAAGCCG AAGTTGCCAAACTGGGTGCGAAAGTCTCTAAAGCCAAAAAACGTGAGGCTCTGATTGCAT GTATCGAACCTGACCGCCGTGTGGATGTGAAAATCCGCAGCATCGTAACCCGTCAGGTTG TGCCGGCACACATCATCACCAACACTAAGGCTAGGCAATATCTTGCCGATGCATGAGGT TGTGAAACAAACCCCCGCTTTTGCGGGGTTTGTTTTTTTGGGTGGTTTTCTGAAACGGCT

ATCGTCAGAATCGGGGTGCAGGTTCGGATTCGGATTCAGATTCAGATTCAGATT CAGATTCAGGTTTGTGTCCCATTGCCGCGCTTTATAGTGGATTAACAAAAATCAGGACAA GGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCAC CTTAGAGAATCGTTCTCTTTGAGCTAAGGTGAGGCAACGCTGTACTGGTTTAAATTTAAT CCACTATATCGGTTGAAACTCTGATTTTAAGGCGGTAGGATGTGGGTTTGCCCATAGAAA GGGAATCCTTTCTGTATCAAGCCCTGAAAGGGATAATTCATACAAATTCACGCCTTTCCC CCTCATTGGGAAATGGATGGAATCGTGCCAGATGTGTGCGGCACTGTATGCCGGATATGG TTTTATCATCAGCCCTTTTCGGTTGAAACCCCGTCAGTTGCAGCGATTGAGCCTAATCGG TGGCGGAAGTTGCCGTTTGCATTCGGGGCGCGTGCAGTGCGGTGCTTTGATATGCCGT TTGTGTGTTGAAACAGGGTGGTCGGTGCATACGGGTACGGTATGGCCAAAGCTAAAAGTG ATGATTTAAATTGGATTCGCCCGCCGGATATTTTGGGATATGAAAGAATTTGACTTCATC AAACGGTATTTGCAAACAGGCACGGATAATGATGTCGTATTGGGCATAGGCGACGATGCG GCGATTGTCCGCCCGCGTGAAGGCTTCGATTTGTGTTTCAGTGCGGATATGCTTTTGAAG GACAGGCATTTTTTTGCAGATGTCAAACCTGAAGACTTGGCTTGGAAGGTTTTTGGCCGTC **AATATTTCAGATATGGCGGCGATGGGTGCGATACCGCGTTGGGTGTTGCTGAGCGCGGCT** TTGCCCGAATTGGATGAGGTATGGCTGAAACGGTTTTGCGGCAGCTTTTTCGGTTTGGCA AAAAAGTTTGGCGTAACGTTAATCGGCGGCGATACGACCAAGGGCGATATGGCGTTCAAT GTAACCATTATCGGCGAATTGCCGAAGGGTAGGGCGTTGCGGCGTGATGCGGCGGTTGCG GGCGACGATATTTGGGTGTCGGGGCGTATCGGTATGGCGGCGGCGCTTTGAACTGCCGT CTGAAACGGTGTGTTGCCAGATGAAGTGTTTGCCGAATGCGAACAAAGCTGCTCCAT CCTGAACCAAGGGTTGGGCTGGGGCTTGCGCTGTTGCCAGGGCGGCGCAGGAT GTTTCAGACGGCCTCGCGCAAGATTTGGGGCATATCCTGACCGCTTCTGGCAAGGGTGCG GAAATTTGGGCCGATTCGCTGCCGTCTTTATCCGTATTGAAAGATATTTTGCCCCGAGCG CAATGGCTGTCTTATACTTTGGCGGGCGGCGACGATTACGAGCTGGTGTTTACCGCGCCG GAAAGTTGCCGCAGCCGCGTATTTGATGCGGCGGAACGGTGCGGCGTGCCGGTAACGCGC ATCGGCAAAATCAACGGAGGATGCCGTCTGAAGGTTTTAGATGCCGACGGCAGGGAATTG GAACTACATTCTTTAGGATTCGATCATTTTGGCTGATTTTAAACCTGACTTTGCGTGGCT GCCGGGCACATTCGGCACTTTGGCGGCACTGCCTTTGGCGTTTGTGCTGATTTTGCTCGG CATAGACGGCTACTGCTGGCTTTTTTGTGTATCGTGCTGTTTATGTGGGGCATACGCAT TTGCGCTTATGCGGAACGTGAAACGGGTGTCAGCGACCACGGTGGGATTGTTTGGGACGA CAAGAATCTGCACGGCGTTTGGGCATTATGGCGGACGATATGGCGGCTGCGGTGATGAC TTTGATTGTCTTGAGGATTGCAATGCTGTTTTAAACGGTGCTGCCTTGTAAAAATGCCGC, CTGAAAGCCTTTCAGACGCATTGTTTCGGAGGTTAACGCGTTACCGGTTTGTATTTGAT GCGTTTCGGTTTCGCCCTTCTTCGCCCAAACGGCGTTTCTTGTCGGCTTCGTATTCCTG ATAGTTGCCGTCGAAGAACACCCATTTAGAGTCGCCTTCACACGCCAAGATATGCGTGGC GATGCGGTCGAGGAACCAACGGTCGTGCGAAATCACCATCACGCTGCCGGCAAATTCCAA CAATGCGTCTTCCAACGCGCGCAGGGTTTCCACGTCAAGGTCGTTAGACGGTTCATCCAG CAGCAATACATTGCCGCCGCTCAACAAGGTTTTTGCCAAGTGCAGACGACCGCGTTCGCC GCCAGACAATTGACCTGCAATTTTGCTTTGGTCGCTGCCTTTGAAGTTGAAACGCCCCAA ATATTGGCGGCGGAATTTCAAACTGACCAACCTGCAAAATGTCGCGGCCTTCGGCAAT TTTCACGGTTTGTCCGATTTTCACCTCGCCGGAATCAGGCTGCTCTTTGCCCGAAATCAT TTTGAACAGCGTAGATTTACCCGCGCCGTTCGGGCCGATGATGCCGACAATCGCGCCCGC AGGCACTTTGAAGCTCAAATCGTCAATCAGCACTTTATCGCCGAACGATTTGGAAACATT TACAAATTCAATCACTTCGTTACCCAAACGCTCGGCAACGGGAATAAAGATTTCCTGCGT TTCATTGCGTTTTTGGTATTCGTAGTTGCTCATTTCTTCAAAACGAGCCAAACGCGCTTT GGACTTGGCTTGGCGCCTTTGGCATTTTGGCGCACCCATTCCAATTCCTGCTTCATCGC CCAAGACGAGTAATTGCCTTTCCACGGAATACCATGGCCGCGGTCGAGTTCCAAAATCCA TTCGGCGGCGTTGTCGAGGAAGTAGCGGTCGTGCGTTACCGCAACGACTGTGCCGGGGAA GTCCAGCAAAAGCATATCGGGCTTGCTCAACAAGAGTTTGCACAAGGCAACGCGGCGTTT TTCACCGCCGGACAAATTATCGATTTTGGCATCCCATTCCGGCAGGCGCAGCGCGTCGGC GGCGATTTCCAATTCGTGTTCCGCACCGCCGCCGTGGACGAACCTGCCGCAATAATCGC TTCCAAGCGGCCCTGCTCTTCTGCCAACGCGTCAAAATCCGCATCAGGATTGGCGTACTC GGCATACACTTCTTCCAAACGTTTCTGCGCGGCAGCCACTTCGCCCAAACCGCTTTCCAC TTCCTCGCGCACGGTTTTTTCCGGATCAAGCTCAGGCTCTTGCGGCAGGTAGCCGATTTT CAGCACGGTGGACTTGCCCGCGCCGTTCAAACCGAGCAGGCCGATTTTCGCGCCGGGGAA GAAAGAAAGGGAAATATCTTTAATGATGGTTTTCTGCGGCGGCACAACCTTGCTCACGCG GACGGCCATTTTAACCGATAATTTGATTTAAGCCAGTTTATCCGCGAACCGGTATTGCCA **AAATCGGGCAGGATTCATAAAATCCGCTTATCCCTTTGAAATTATATAGACAAAAAATA** ATAATGATAGGGGATCGCCCCCCGGCAACCATTTCGGATTTTCCAAAGCAAATATAGTG GATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGAACCG ATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACG CCGTACTGGTTTTTGTTAATCTACTATACTTTTCAAATCAAAAAAGGATTTACCTTATGT CGGAATATACGCCTCAAACAGCAAAACAAGGTTTGCCCGCGCTGGCAAAAAGCACGATTT GGATGCTCAGTTTCGGCTTTCTCGGCGTTCAGACGGCCTTTACCCTGCAAAGCTCGCAAA TGAGCCGCATTITTCAAACGCTAGGCGCAGACCCGCACAATTTGGGCTGGTTTTTCATCC TGCCGCCGCTGGCGGGGATGCTGGTGCAGCCGATTGTCGGCCATTACTCCGACCGCACTT

GGAAGCCGCGTTTGGGCGGCCGCCGTCTGCCGTATCTGCTTTATGGCACGCTGATTGCGG TTATTGTGATGATTTTGATGCCGAACTCGGGCAGCTTCGGTTTCGGCTATGCGTCGCTGG ${\tt CGGCTTTGTCGTTCGGCGCGCTGATGATTGCGCTGTTAGACGTGTCGTCAAATATGGCGA}$ TGCAGCCGTTTAAGATGATGGTCGGCGACATGGTCAACGAGGAGCAGAAAGGCTACGCCT ACGGGATTCAAAGTTTCTTAGCAAATACGGGCGCGGTCGTGGCGGCGATTCTGCCGTTTG TGTTTGCGTATATCGGTTTGGCGAACACCGCCGAGAAAGGCGTTGTGCCGCAGACCGTGG TCGTGGCGTTTTATGTGGGTGCGGCGTTGCTGGTGATTACCAGCGCGTTCACGATTTTCA AAGTGAAGGAATACGATCCGGAAACCTACGCCCGTTACCACGGCATCGATGTCGCCGCGA ATCAGGAAAAAGCCAACTGGATCGAACTCTTGAAAACCGCGCCTAAGGCGTTTTGGACGG TTACTTTGGTGCAATTCTTCTGCTGGTTCGCCTTCCAATATATGTGGACTTACTCGGCAG GCGCGATTGCGGAAAACGTCTGGCACACCACCGATGCGTCTTCCGTAGGTTATCAGGAGG CGGGTAACTGGTACGGCGTTTTTGGCGGCGGTGCAGTCGGTTGCGGCGGTGATTTGTTCGT TTGTATTGGCGAAAGTGCCGAATAAATACCATAAGGCGGGTTATTTCGGCTGTTTGGCTT TGGGCGCGCTCGGCTTTTCTCCGTTTTCTTCATCGGCAACCAATACGCGCTGGTGTTGT CTTATACCTTAATCGGCATCGCTTGGGCGGGCATTATCACTTATCCGCTGACGATTGTGA CCAACGCCTTGTCGGGCAAGCATATGGGCACTTACTTGGGCTTGTTTAACGGCTCTATCT GTATGCCTCAAATCGTCGCTTCGCTGTTGAGTTTCGTGCTTTTCCCTATGCTGGGCGGCT TGCAGGCCACTATGTTCTTGGTAGGGGGCGTCGTCCTGCTGCTGGGCGCGTTTTCCGTGT TCCTGATTAAAGAAACACACGGCGGGGTTTGAGCGATGAGCGATACCCCCGCTACCCGCG ATTTCGGTCTGATCGACGGCGTGCCGTAACCGGCTATGTGCTGTCCAACCGGCGTGGTA CGCGTGTCTGCGTGCTGGACTTGGGCGGGATTGTGCAGGAATTTTCCGTTTTGGCAGACG GCGTGCGCGAAAACCTCGTGGTGTCGTTCGATGATGCGGCTTCCTATGCGGACAATCCGT TTCAGATTAACAAACAGATAGGGCGCGTGGCCGGACGCATCCGCGGTGCGGCGTTCGACA TCAACGGCAGGACTTACCGCGTGGAGGCCAACGAAGGCAGGAACGCGCTGCACGGCGGTT CGCACGGGCTGGCCGTTACCCGTTTCAACGCGGTGGCGGCAGACGGCCGTTCGGTGGTGC TGCGCAGCCGCCTGCAACAGTCGGCCGACGGTTATCCCAACGATTTGGATTTTGGATATTT CCTACCGCTTGGACGACGACCGCCTTACCGTTAGCTATCGCGCCACCGCGCTCGGCG ACACGGTGTTCGACCCGACGCTGCACATTTACTGGCGGCTGGACGCGGGCCTGCACGATG CGGTTCTGCATATTCCGCAGGGCGGACATATGCCGGCCGATGCCGAAAAACTGCCCGTCT CAACGGTTTCAGACGACCTCGAAGTATTTGATTTCAGCCGGCCCAAGCCGCTGGATGCCG CCGTTGCCGCCCGCGCGAAACGGGTCGGCCGGTTTTGACGACGCTTACCGCGTGC CGTCCGATATAGGCCGTCCCGCCGCTGTTTGCAAGCCGGACGCCGCCGTCGTATCAGCA TATACAGCGACCGCAATGGCTTGGTCATCTTTACCGCCGCCCCGCAGGATTTCGCGCGGC ACGATGCGGGCGTTTACGACGCGCTGGCGACCGAGGCGCAGACGCTGCCCGACAGCCTGA ATTGGCCCGAGTTCGGCAATATTCGTCTGAACAAGGGTGATACCAGGGAGGCGACGATTG CTTACGGCATCGAATCCCTTTCTTAGGAGCTTCCTAACACCGGTTGCAGACGACCTTTTT ATAGTGGATTAACAAAAACCGGTACGGCGTTGCCTCGGCTTAGCTCAAAGAGAACGATTC TCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTC GTCGCCTTGTCCTGATTTTTGTTAATCCACTATAAGATTTCACCATTCCCTCAAATCAAT CCAAACAGGAGCTTCATAAATGTACACAAGAATCATGGAAATCAGCCCTTGGACGCTGCG TTCGGCAAAACTGGAAAAAGAACACAAACGGCTGCAAGAGAGCCTGACCAGCTTGGGCAA CGGCTATATGGGTATGCGCGGCAGCTTTGAGGAAACCTATTCCGCCGACAGCCACTTAGG CACCTACATCGCCGGCGTGTGGTTCCCCGACAAAACCCGCGTCGGCTGGTGGAAAAACGG CTATCCCAAATATTTCGGCAAAGCCATCAACGCGTTCAATTTCAGCAAAGTCAAAATCTT TGTCGACGGGCAGGAAGTGGACTTGGCGAAAAACGACGTTGCTGGCTTCTCCGTCGAACT CGATATGCAGCACGGCGTGTTGCGCCGCTCGTTCACCGTATTCGGTGTGCGTTTCAATGT GTGCAAATTCCTGTCTGTCGCACAAAAAGAGCTGGCGGTCATCCGCTGGGAAGCCGTATC CGTTGACGGTAAAACCCACCAAGTCCGCATCGATTCCATCATCGATGCCGACGTGAAAAA CGAAGACTCCAACTACGAAGAAAAATTCTGGCAGGTATTGGACAAAGGCGTTTCAGACAG TCTCTCCTACATTGCCGCCCAAACCGTCGCCAATCCCTTCGGCGTGGAACAATTCATCGT CAACGCCGAGCAAACCTTTGCCGGCAGCTTCAAAGCCCTCGGCGGCAGCCAAACCGACTG GCAGGTCTCCAATTCTTTTGAATCCGAAGTCGGCAGCACCCCGAAACCTTTGAAAAACG CGTGATTGTTACCACCAGCCGCGATTATCAGAGCTTGGAAGCAGTGAAAGCCGCAGGCCG CGCCTTGTCGGAAAAATTGCAGGCGTTGCGTTTGAAACCTTGCTGGACGCGCACAAAGC AGGCTGGCTGCACCGTTGGGAAATCGCCGACGTGGTCATCGAAGGCAGCGACGAAGCGCA GCAGGGCATCCGCTTCAACCTGTTCCAACTGTTCTCCACCTACTACGGCGAAGACGCGCG ACTGAACATCGGCCCGAAAAGGCTTTACCGGCGAAAAATACGGCGGCGCGACCTATTGGGA CACCGAAGCCTACGCCGTACCGCTCTACCTCGCACTGGCCGAACCCGAAGTTACCCGCAA CTTGGCGGGCGCACTCTATCCGATGGTAACGTTTACGGGCATCGAGTGCCACAACGAATG GGAAATCACCTTCGAGGAAATCCACCGCAACGGCGCGATTCCTTACGCCATCTACAACTA CACCAACTACACCGGCGACGAGGGCTATCTTGCCAAAGAAGGCTTGGAAGTTTTGGTCGA AGTGTCCCGCTTCTGGGCGGACCGCGTCCACTTCTCCAAACGCAACGGCAAATACATGAT TCACGGCGTAACCGGTCCGAACGAATACGAAAACAACATCAACAACAACTGGTACACCAA CACCCTCGCCGCATGGGTATTGGACTACACCCGCGAAGCCTTGGCGAAATACCCGCGTCC GGATTTGAACGTGCGTGCCGACGAGTTGGAAAAATGGGCGGACATCAGCGCGAATATGTA CCGTCCGCATGACGAAGAACTCGGCGTATTCGTGCAGCACGACGGCTTCCTCGACAAAGA CATCCGCCCCGTGTCCGCGCTTTCGCCCGACGATTTGCCGCTCAACCAAAAATGGTCGTG GGACAAAATCCTGCGTTCGCCCTTTATCAAACAGGCGGACGTATTGCAAGGCATCTACTT CTTCAGCGACCGTTTCAATATCGACGAAAAACGCCGCAACTTCGACTTCTACGAACCGAT GACCGTGCATGAAAGCTCGCTGTCGCCCTGTATTCACTCTATTCTCGCCGCCGAACTGGG CAACAACGACACCGAAGACGGCCTGCACATCACCTCCATGACCGGCTCGTGGCTCGCCAT CGTCCAAGGTTTCGCCCAAATGAAAACCTGGGGCGGCAAACTCAGCTTCGCACCGTTCCT GCCGAGTGCGTGGACAGGCTACGCCTTCCACATCAACTACCGCGGCCGTCTGATTAAAGT

CGCCGTCGGCAAAGAAACGTCGTCTTCACTCTGCTCAAAGGCGAGTCGCTCGATTTGCA GGTGTACGGCAAAGACATCACGCTCGACGGCAGCCACACCGTTGCGTTGGAAAAATAAGG AGGGCGCAAAATGACTTTCACTGCAGTCCTATTTGACCTCGACGGCGTCATCACCGACAC CGCCGAATACCACTACCGCGCATGGAAAAAGCTCGCCGAAGAACTGGGCATCAGCATTGA CCGCAAGTTTAACGAGCAGCTCAAAGGCGTGTCGCGCGACGATTCGCTCAAACGCATCCT CGCGCACGGCGCAAAACCGTCAGCGAAGCCGAGTTCGCCGAACTGACCCGCCGTAAAAA CGACAACTACGTCGAGATGATTCAGGCAGTCAAACCCGAAGACGTGTATCCCGGCATTTT GCCCCTGCTGGAAGCATTGAGGGCAAACGGCAAAAAAATCGCCCTTGCGTCCGCCAGTAA AAACGGCCCGTTCCTGCTGGAACGCATGGGGCTGACCCACTTCTTCGACGCCATTGCCGA CCCTGCCGCCGTCGCACATTCCAAACCCGCCCCGACATCTTCCTCGCAGCAGCCGAGGG CATCAAAGCCGCCGCGCCCTTGCCCATCGGCGTGGGCAAAGCCGAAGACTTGGGCAGCGA ACAGTCGGGCAGGTAAAACGCGTCAGATAAAGTGTCAAGGAAGCAAAAGACCGTCTGAAC AGTGTTTCAGACGGCCTTTTTGCTTTTAGAACAGAATGATAACCCAACTTACGCAACCCT TAACCAGCCAACCTTAACAATCACTATTAAAATGCGCGCCGATGTTCTGTCTCCGCCTGT ATGCGGCTTGGGCGACGCGAGGCTGCATTCGAGCAGGTTGCGGTTTTCGTATTCGGACG GGCTGAATGTGTTTTGAAGGTCGTCTGAAAAGATGCCTGCTTCGGCGGAGAGGCTTTCAG ACGGCCTTTGGAATGGTTCGGCTTGGAATGCTTGTCCGTCTGCGATGGCTTGGGCGCAGA GCCTTGCGGTCACGACGCATTCGAGCAGGGGAGTTGCTGGCAAGGCGGTTGGCTCCGTGCA GCCCAGTGCAGGCGGTTTCGCCCAAGGCGTAGAGCTGCGGCAGGGAGGTTCTGCCGCAGG GGTCGGTTTGGATGCCGCCGCAGGTGTAGTGTTGCACGGGGGCGGACGGGGATGGCTTGGC CGATTTCGGCTGCGATGGCGCGGGCAACGATGTCGCGCGGTGCGAGTTCGGCGCGGCGGT CGTAATGCGGCATAAATCGTTCGCCCGCTTGGTTGGTCAGGATGCCGCCTTCGCCGCGCA CGGCTTCGGAAATGAGGAAGGTGCGTCCGTTTTCAGACGGTCTTGCCAAGCCTGTGGGGT GGAATTGGATAAATTCGAGGTTTCCAACTGCGCAGCCTGCGCGTATCGCCATGGCGATGG CGTCGCCCGTGCATTCGGGCGGCGTGGTGGTGGCGGCGTAAATCTGTCCCAAGCCGCCGC CTGCGAGTACGGTATGGCGGGCGCGGATGCGGTAGGTTTCTTGTGTTCGGCAGTCGAGGA CGGTCAGTCCGCACGCCGCGCCTGATTCGGTTTGAATGTCCAACGCCATCTGCCGCTCGC AAACGCGGATGTTCGGGCGGCGGCGTATTTGGGCAATCAGGCTCTGCATGACGGCTTCGC CCGTGTAGTCGGCGACGTGGGCGATTCGTCGGCAGGTATGCCCGCCTTCACGCGTCAGGT GCAGGCCGTTATGATTCCGGTCGAACGCCACGCCCTGCGCCAGCAGCCATTCGATTGCCG GTTTGCCCTGCGACAGGATGGCGCGGACGGCGGCTTCATCACACAAACCCGCGCCCGCTT CCAAAGTATCGGCAACGTGTTTTTCGATGTCGTCCTCTCCCGACCACGCCGCCGCAATCC CGCCTTGCGCATGACGGCTGGCGGTGTCGTCCAGCCGGTTTTTGCACAAAATAACGATGC GGAACGATTCAGGCAGCGACAGGGCGAGCGTCAGTGCCGCCAGCCCGTTTCCGGCAATCA ATACGTCGCAATCGGTTTGCATGGTGTTGTCCTTGTTTGAGAGGCCGTCTGAAACGGTAT AGTGGATTAATCAATGCCCCGACATATGCGACATGGTATTGAGAAGCACCACGCCCAGCA **AAATCAAACCGATGCTGACAATCCCAATGAAATCAGCTTTCTCACCGAAAAACACCACGC** TGACTAAAGCCGTTAAAACCAGTCCCACGCCTGCCCAAATGGCGTATGCTGTAGCCAGCG GCATGGTTTTCAGTGTCATAGACAAGGCCCAAAAACACACCGAAAAGCTGACTACCACGC CAATAGAAGGCCACAGTTTGCTAAACCCGCCACTCAGTTTGAGCATGGAAGAACCGCAGA CTTCGCTTAAAATTGCTACAGTCAGAAAGAGCCAGTGCATTTGCATGTTTTTACCTGATA GATTTTTTGTGTGCAAATCCCGTCTTGGGAAAGCAGGCGGGGGGGTATTTTCAGGCTGCAC CCATTACGAACGACAAATCAGGCGGGCCCATGCCGTTGAACACATCTTTTTTCTTCAGC CCTGCCGCAAAGTCGAGCATACGCTGCAAAGGCAGTTTGGCGGCTTCGCCCAGCTTCCTG TCCAACAGGATTTCGTTACGTCCGCTTGTCAGGGCGTATTTGATGCCGCCCAGCGAATTC ATCGCCATCCACGGGCAGAACGCGCAGCTTTTACAGCTTCCACCGTTGCCCGCCGTCGGC GCGGCGATAAATTGTTTGTCGGGCGCCTGCTTTTGCATTTCGTGCAGGATGCCCAAATCG GTCGCCACGATGAATTTTTTTTCAGGACGCGATACGGCGGCTTTGAGCAGTTTGCTGGTC GAGCCGACCACGTCGCCCAGTTCGATGACGCTTTGCGGCGATTCAGGATGAACCAGCACC ACCGCTTCGGGGTGTTCCGCCTTCAACGCCGCCAGCTCTTGCCCCTTTGAATTCGTTGTGA ACGATGCACGAACCCTGCCACAACAGCATATCCGCGCCCGTTTCGCGGCAGATGTAGTCG CCGAGGTGGCGGTCGGGTCCCCAAATCAGCTTCTCGCCGCGTGATTTCAAATACGATACG **ATTTCTAACGCCACGAAGACGTTACCACCCAATCGGCACGCGCTTTCACGGCGGCGGAA** GTGTTGGCGTACACCACCACCGTGCGGTCGGGGTGTTGGTCGCAAAACGCTGAAAACGCT TCTTCCGGGCAACCCAAATCCAAAGAACATTCCGCCTCCAAATCAGGCATCAGCACCGTT TTTTCAGGGCAGAGGATTTTCGCGCTCTCGCCCATGAAGCGCACACCAGCCACCAGC GTACCGGCTTCGTGTTCCGCACCGAAGCGCGCCATTTCCAGCGAATCGCCCACGCATCCG CCCGTCTCCAAAGCCAAATCCTGAATCAGCGGATCAACGTAATAATGCGCCACCAAGACC GCGTTTTTCTCCTTCAGCAAAGCCTTGATTTCGTCTTTCAGACGATCTGCCGTCTCGCGG TCGGGCGTGTCGGCAACCTTCGCCCACGCCTGACGGATTTGGCAGGCGGAAGTCGGCGTT TGGATGAGTGGCATATCGTAGTCGAACGAGCGGCGGCGGCGGCGGTTTGCATGATGTTTCCT TGTAGCTGTTTTTCAGACGGCATGAAGGTTTGCCGTCTGTTTTTCAAACTGTTTTTACAT TATGCTCAACTTGAGTATAATATGCAAGGTCGTCTGAAAACAGGTTTGCAATACCGTAAA ACCGACCCGCTTCGTTCCGACAAACCGCTTTGGTTTACAATAAAGCCTTTCCCACCCGCA GAAAGCCGAGCATGGATGCCTACCCCGAAGCCGAAGCCCCGCCGCAAAGCATCGTCGAGC TGGTTCCCGTATTGATTGCCGTTACCGACGGCGGCCTGCGGGTATTGACCGTCGCCCAAG AACTGTGGGTCGCCAAGCAGACTTCGCAGCCTATGGGCTATGTGGAACAGCTTTACACCT TTGTCGATACCCACCGCCGCAACGAACACGGCATGCCCGTGCTGTACGTCAGCTATTTGG GGCTGGTGCGCGAGGCAGCCGACAGCATCCTGCACCCGGATGCGAAATGGCAGGACTGCT GCCGCCTGCGCATTTGGGCAAACTCGGCGGACACGGAGGAAGTGCGCCAAAAGCGGCTCA AGCGCATTCATTTGTGCTGGGGGGTCGAACCGGAAAACTGGTCGGAAGAATACGTTTTGC AACGCTATGAAATGCTGTATGAAAGCGGCCTGATAGCGGAAGCCGCCGAGCCGCAGGCAA ACTTCGACTTCGCGCTTACGGGGCAGCCCATGCGCCACGACCACCGCCGCGTACTGGCGA CCGCCCTGTCTCGCCTGCGCGCCAAAATCAAATACCGCCCCGTGATTTTTGAACTGATGC CGCCCGAATTCACGCTGCTGCAACTGCAAAACAGCGTCGAAGCCATCAGCGGCAGATTGC TGCACAAGCAAAACTTCCGCCGCCAGATTCAGCAGCAAAACCTCATCGAGCCGTCGGATA CCGGCGTATCGGGCAGCAAAGGCCGTCCCGCGCAGCTTTGCCGCTTCCGCGACGACGTCC TGCCCGACAGGCTGATTTCGGACATCGGACTGCCGCTGGGCAGCCGTTAGCCCGTTTTCA GACGACCTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAA ATAGTACGGAACCGATTCACTTGGTGCTTGAGCACCTTAGAGAATCGTTCTCTTTGAGCT AAGGCGAGGCAACGCCGTACCGGTTTTTGTAAAATGAAGTTTTGCCCCCATCGGTGCAACA TCAATCTTTTCAACAAAGGAAACCCCATGCCGTCTGAAAAAACCCTCTTTCCCCTGCCC GACACCCTGTTGCGCCCCATAGTAGAACAAGCCTTGAGCGAAGACTTGGGCAGGCGCGC GATATTACGTCCGCCGCCGTCATCGCCCCCGACAAAACCGCCAAACTCTTCCTTGTCAGC CGCGAAGACGGCGTTATCGCCGGCATGGACTTGGCGCGTCTCGCCTTTCAGACGATGGAT CCGTCCGTCCGCTTCCAAGCCGAAATCCGAGACGGGCAAGCCGTCCGCGCAGGTCAGACG CTTGCCGCCGTCGAAGGCAACGCCCGCGCGCGCTCCTCGCCGCCGCAACGCACCGCGCTCAAC TACCTCACGCACTTAAGCGGCATCGCCACCGCCACCGCGTGCCGTTGCCGAAGTCGCC GAATACGGTACAGACATCGTGTGCAGCCGCAAAACCATCCCCCTGCTGCGTGTCCTGCAA AAATACGCCGTCAGGGCAGGCGGCGGTGTGAACCACCGCATGGGTTTGGACGACGCCGTG CTCATCAAAGACAACCACCTCGCCTATTGCGGCAGCATCGCCCAAGCCGTGCAGCAGCCA AAACAGGCTGTCGGAGCATTGACCTGCGTGGAAATCGAAGTGGATACGTTGGCACAACTG GACGAAGCCATCGCAGCGGGCGCGGAACGGATTTTGCTGGATAACATGGACGACGAAACC CTGAAAGAAGCGGCAAACCGCTGCCACACGCAAACCGCCCACCCCCACACCATCTATTGC GAAGCATCGGGCGCATCGGCTTCGACCGCCTGAAGCGCGTGGCGCAAACCGGAGTGGAC GTGGCGTGAGTTTTAGGGTGCGGGCGGCTGTCTGATATGTCAGGCAAGGAACCGCTTAAC CCTAATCCGGTTATTGCCTCAGGGAGGAAATGCCGTCTGAAAGATTCTTCAGACGGCATT TCTGAAAGCCCGCCTTTACGCTTGTTTGCAAAAAAGTGGGAAAAGGAACATACAATCCT GTACAATCATCCATAAATATTTGATTTATAAATACGATTTATAAAGATAATCACAATCATC CATATCTGCCGCCCGTCAATCCGCTTGGCGGCGGCGAAAGGTTTTAGGAATACCGATGAA CACAATACCGCTCCACACCATACTCAAACTTATGGCGCATCCCGAACGTATGGCGATACT GATTCAATTGTTGGACAGCGAACGCAATATCGCCGAACTGGCAAAATCCTTATCCCTGCC GGCCACCGCAGTTTCCAACCATTTGAACCGCCTGCGCGTGGAAGGTCTAGTCGATTTTAC GCGTTACCACCGCATTATCGAATACCGCCTGGTTTCCGAAGAAGCGGCGGCGATTCTGCA CACGGTTCGCGATTTGGAAAACAAACGCGTGGCATAGTGTTAGAATCCTTTCCTTTTGCC GTCTGAACGTTTCAGACAGCATTTTTCGGAAATGTTATGAAAATCACCACTTGGAATGTC AATTCGCTCAATGTGCGGCTGCCGCAGGTGCAAAACCTGCTTGCCGACAATCCGCCCGAT ATTTTGGTTTTGCAGGAACTCAAACTCGATCAGGACAAATTTCCGGCCGCCGCTTTGCAA ATGATGGGCTGGCACTGTGTTTGGAGCGGGCAGAAAACCTACAACGGCGTGGCAATCGTC AGCCGCAGCGTGCCGCAGGACGTGCATTTCGGTTTGCCCGCACTGCCGGACGATCCGCAA CGGCGCGTGATTGCGGCAACCGTCAGCGGCGTGCGCGTCATCAATGTCTATTGCGTCAAC GGCGAGGCTTTGGACAGCCCCAAATTCAAATATAAGGAACAGTGGTTTGCCGCACTGACG GAGTTTGTCCGCGATGAAATGACCCGCCACGGCAAACTGGTGTTGCTGGGCGATTTCAAT ATCGCGCCTGCCGATGCGGACTGTTACGACCCTGAAAAATGGCACGAAAAAATCCACTGT TCGTCCGTCGAACGGCAGTGGTTTCAAAACCTGCTGGATTTGGGACTGACCGACAGCCTG CGCCAAGTCCATCCCGAAGGCGCGTTCTATACCTGGTTCGACTATCGCGGCGCGATGTTC CAACGCAAACTGGGCCTGCGTATCGACCATATTTTGGTGTCGCCTGCGATGGCGGCGGCG TTGAAGGATGTCCGCGTCGATTTGGAGACGCGCGCGCTGGAGCGTCCGAGCGACCACGCG CCGGTGACGGCAGAATTCGATTGGTAAAAGACCGTGTTTTGATATGGCGTTGACAAGCAT CCCCGGCAAACAGCCGAAATCGGCGGATTGTTCAAACACAGCCTATTTTCCTGAAAAATT TATGAAATACATAGGGTTAATATCAGATTTTGGAGCAGTAAAATTTATTATGTACACTAA TATATATAGTAATAAATTAATAACCCTGTTTTTCCTATTGCCTTTATTGTGCCATGCAGT TGAGTTTGATGAAACTCAATATAACGACTGTAAAGATAAATCTATGTTATGTGCTGTCAG AATTGATTCTCCCAAAGGCAATAACTATAGTGGATTAACAAAAATCAGGACAAGGCGACG AAGCCGCAGACAGTACAAATAGTACGGCAAGGCGAGGCAACGACGTACTGGTTTAAATTT AATCCACTATATAAATCTATGTGGTTTGACAATGGCAAGTTAGTATTTATATCCTTTACT **AATCAACAAATGGAAAATCAAAGTCGCCCATCTCTAGCGATGTTTATTAGTGATGACAAA** ATATCCAGTACCAATATTGATGAATTTTTAGCATCTTTCGATCCTGATAAATATCGAATA TTTCATGATCCAAGATATAAATTTTTACCTAGTATGTCGAACTCATTGTAATCCTTATTC TCTTTTTGATATTGATAGCAAATATAAACCTGATGAGAAAGATAAAATCTTTTTTCAAT TATATATCCTAGTAGGCATAATGGCAGCTATTACAAAATATAGTGGATTAAATTTAAACC AGTACAGCGTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTT GTTAATCCACTATATCTGCATCAGTTTCATGAAACGCAAGTCGGAAGCGTCAAACAACTG

ACGCATTTTGACGGCAAAGCCCAAGTGGCAGAACAAATCAAAGGCATCGGTTCGATAACG ACGGCTACGCTGATGGCGATGCTGCCCGAATTGAGGCGGCTGTCGCACAAACGGATAGCG GGTTTGGCCGGCATTGCCCCGCACCCGAGGGAGAGCGGGGAAACCAAATTCAAAAGCCGC TGCTTTGGCGGAAGGTCTGCGGTGCGTAAGGCACTGTATATGGCTACCGTGGCAGCGACA CGTTTTGAACCGCTTATTCGGGATTTCCACCAACGCCCGCTGTCCGAGGGTAAGCCGTAT **AAGGTTGCCGTTACGGCATGTATGCGCAAACTGCTGACGATATCGAATGCCCGGATGCGT** GATTATTTTGCCGAAAACGATACCGCCGAAAACGGTATCTAAACGGCTTGATTTGAGTTT TGGTATTTTTGCCCGACGGGTGAAAAATACAGTTGCTACGGCTCGATGAATCGTCAGAA CAGGTAAAACGGTTTCTTGAGATTTTTCGTCTTGGATTCCCACTTTCGTGTGAATGACGG GCGCAGGCGGGAATCTAGTCTGTTCGGTTTCAGTTATTTTCGATAAATGCCTGTTGCTTT TCATTTCTAGATTCCCACTTTCGTGGGAATGACGGGATTTTAGGTTTCTGATTTTGGTTT TCTGTCCTTGTGGGAATGACGGGATGTAGGTTCGTAGGAATGACGTGGTGCAGGTTTCCG TGCGGATGGATTCGTCATTCCTGCGCAGGCGGGAATCCAGTCTGTTCGGTTTCAGTTATT TCCGATAAATGCCTGTTGCTTTTCATTTCTAGATTCCCACTTTCGTGGGAATGACGGTTC **AGTTGCTACGGTTACTGTCAGGTTTCGGTTATGTTGGAATTTCGGGAAACTTATGAATCG** TCATTCCCGCGCAGGCGGGAATCTGGAATTTCAATGCCTCAAGAATTTATCGGAAAAAAC AAAACCCTTCCGCCGTCATTCCCACGAAAGTGGGAATCTAGAAATGAAAAGCAACAGGAA TTTATCGGAAATGACCGAAACTGAACGGACTGGATTCCCGCTTTTGCGGGAATGACGGCG ACAGGGTTGCTGTTATAGTGGATGAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTC **AAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATCTGTA** CTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCATTATAAAAATGCCGTCT GAAAGGTTTTCAGACGGCATTGGTTCACGGGCCGCGCCCGGGTATTTCGGCAAAATCAGT CGGCGACCGCCATCAGGCTGGCGTTGCCGCCGGCGGCTGTGGTGTTGACGCTGCAAGAGA TTTCTTCAAACACTTGCAGGATGTCGAGTCCGTTTTCCGAAGGGAGGATGCGGATGAGTG CGCCGTCGTGGGCGGCAAGTTCCTGTTTGCGCGCGCTGTCCAAAGGCGACAGGGCGGCAA CGTGGCTGATGCCGGCGGTTTCGGGTTTGCCGTTGACCAGCAGCAGCCTTCCAAGTCGG CAGTGTAGGAAGCCAAGGGGCTGTCGGGTTCGACCACTGCCTGTATGCCGGAGGCGGCAA GTTCGGTCAGTGCGGCAAAGGCTTGAACCGTGCTGCCGCCGTGTATCCAAACGCGTTTGG GCGCGTGCCATGAGATGCTGTTGCGCTCGCCGGTCGGTCCGGTAAGGACGGTTTCGGCAC GGCGCAGGGTGCGGATGCGGGCGTGTCCCAAAGCGGCCGCTGCGGCTTTTTTCTCTTCGG CGTTGAACGGTAGTTTGTGAACCAGTGCTTCGAGGCGTTTGAGTGCGGCTTCGTCCGCCT GTCCGATTTGGCTCAGGGTCGGGGCAACCCATTCGCCGGCGCGGGTCAGTTTTTGCAGGT AGAACGAACCGCCTGCTTTGGGGCCTGTGCCGGACAGACCGTGTCCGCCGAAGGGCTGTA CGCCGACGACTGCGCCGACGATGTTGCGGTTGACGTAAACGTTGCCGGCTTCGATGCGGC TGCGGATGTGGCGTACCGTGCCTTCGATGCGGCTGTGTACGCCGTGGGTCAGGGCGTAGC CTTTGCTGTTGATTTGGTCGATGACGTTGTCGAGTTCGTCGGCGCGGTAGCGGACGACGT GCAGGACGGGACCGAAGACTTCGCGTTGCAGTTCGTTGAGGTTGTTCAATTCAAACAGGA TGGGGCGAACGAACGTGGATTTTTTGGAATCGACATCGGCGGCGGTTTTGACTTCGTGGT AGGACTTGGCAACACCTTTCATTTTGTTGATGTGGTTCAACAGGTTTTGCTGTGCTTCGG CATCGATGACGGGGCCGACATCGGTAGTGAGCTGAATCGGTTTGCCGACGACGAGTTCGT CCATAGCGCCTTTGATCATGTCGAGCATACGGTCGGCAACGTCTTCTTGGACGCACAAAA TGCGCAGGGCGGAGCAGCGTTGTCCCGCGCTGTCGAAGGCGGAGTTCAATACGTCGGCGC AGACTTGCTCGGCAAGTGCGGTGGAATCGACAATCATGGCGTTTTGTCCGCCGGTTTCGG CAATCAGGACGGGATTGTCGCCGCGTTTGGCAAGGGCTTTGTTGATCAGGCGCGCCACTT CGGTCGAGCCGGTGAAAATCACGCCGCCGATGCGGGCATCGTTGGTCAATGCCGCACCCA CGTCGCCTGCGCCGAGGACGAGTTGCAGGGCGGAAGTCGGGATGCCGGCTTCGTGCATGA GGGAAACGGCATAACCGGCAATCAGGCTGGTTTGTTCGGCGGGTTTGGCGATGACGGTGT TGCCTGCCGCCAATGCGGAAACGACTTCGCCGGTAAAGATGGCGAGCGGGAAGTTCCACG GGCTGATGGCGACAATCGCGCCGACGGCTTTTGCGTCTTGAGGCAGGGTATGTTCGGCTT CGTTTGCGTAGTAGCGGCAGAAATCGACGGCTTCGCGCACTTCGGCAATGGCGTTGTTCA GCGTTTTGCCTGCTTCGCGCACGGCAAGCATCATCAGTGCTGGGGTGTGCTGCTCCAGCA AATCGGCAAAACGGCGCAGGCAGGCGGCGCGCTTCGGCGGCAGGTGTCGCACTCCATTCGG GGAACGCGGCAACGGCTGCGCCAACCGCTTCTTGGGCAAGCGCGGCATCGGCAAAGCTGA CTGTGCCGACGATGTCGTCGTGGTCGGCAGGGTTTTTAATCGGTTGCGCTTCGCCGACAT CGCGGGCTTTGCCGTTGACGATGGATGCGGCGTGGAAGTCTTGCGCGGCGGCTTTGTTCA TCTGTTCTTGAAGCTGCTGCAATACGTTTTCGTTGCTCAAGTCCACGCCTTGCGAGTTCA GACGGCATTTGCCGTACAAATCGCGCGGCAGCGGCAGGGCGTTGTGCAGGTGGATGCCTT GTTCGGCGATGGTGTCGAACGGGCTGCGGATGAGCGTGTCGATGCTGATGTTTTCATCGA CGATTTGGTTGACGAAAGACGAGTTCGCGCCGTTTTCCAACAGGCGGCGCACCAAGTAGG CGAGCAGGGTTTCGTGTGCCGACTGGGGCGTACACGCGCACGCGGCGGCCTAAGTTTT GCGGGCCGACGACTTGGTCGTACAGGGTTTCGCCCATACCGTGCAGGCATTGGTGTTCAA TGTCGGTGTGGACTTTGCGGGTGTAGGTCGGATAGCCGTTCAAGCCGTCCACTTGCGCCC ATTTGATTTCGCTGTCCCAATACGCGCCTTTGACGAGGCGGATCATTAGTTTTTGGTTGT TGCGGCGGCAAGGTCGATCAGGTAGTCGATAACGAACGGACAACGTTTTTGGTAGGCTT GGACAACGAAACCGATACCTTTGTAGCCAGCCAAGTCAGGGTCTGAAACCAAAGCCTCCA TCAAATCCAAAGACAGCTCCAGACGGTTGGCTTCTTCGGCATCGATGTTGATACCGATAT CGTATTTTTTACCCAAAAGGAACAGCTCTTTCAGGCGCGGCAACAGTTCGCCCATCACGC GGCCGTGTTGGGTGCGCGAGTAGCGCGGATGGATGGCGGAAAGTTTGACGGAAATACCGT TACCTTCGTAAACGCCTTGTCCTGCCGCATCTTTGCCGATGGCGTGGATGGCTTCGACAT AGTCGCGGTAGTAGCGGTCGGCATCGGCTTGGGTGTAGGCGGCTTCGCCCAACATATCGA AGGAGAAGCGGTAGCCCATTTTTTCGCGTTCTTTGCCGTTTTTGCAGGGCTTCTTCAATGG

TCTGTCCGGTTACGAACTGTTTGCCCAGAAGCCGCATGGCGTAATTTACGCCTTGGCGGA TTGTGGCGGTCAGTTTGCCGGTAATCAGCAGGCCCCAGGCGGCAGCATTGACGAAGAGGG **AAGGGCTGTTGTTCAAATGGCTTTTCCAGTTGCCGTCTGAAATCTTGTCGGCAATCAGGC** GGTCGCGCGTGGCGTTGTCGGGGATACGCAGCAGGGCTTCTGCCAGACACATCAGCGCGA TGCCTTCTTCGCTGGAGAGTGAAAACTCGTGCATCAGCGCATCCACGCCGGCTTTGG TGCGGCCGGCGCGACTTGGGTAACCAAACGGCGGGCAAGCTCGGAGGCGGCGTTGCGCT CTTCGTCGCTCATCTGTGCACGTTGCAACATATCCTGTACGGCTTCGATTTCATTACGGC GGTAGGCATCGGTTATCGCTTGGCGCAGGGCAGTTTGTGCCGGAAATGCAAAATGAAACA TTTTTTGGATTCTCCAAAGTTTTTCGGGGGGCAGGCGGCATCGGTGCGGCCTGAATACGG TAATATCGTAATAAATCCGCAGATGAAATACAAGGCTTCAAATGCGGGCAGGGTAGGTGC TTCCGTTTCTTTGAAAATGAAACGGGTAAAACACAAATAAGGCCTGTATGCAGGCAAGGT TTATTTGTGTTTGACCCGGAAACGGGTTCAGACGGCACGGAACCGGGATGCCGTGCCGTCT GAAAGGGGTTTATCGGGTGGCGCGGTAATCTGCGTCGGCTTTTTCAAAGCGTTCTTGGGT TTCGCGCGAAGGTTCTTTGTTGAACAGGGAAACCAACACGGCAACGATCAAGCAAACAAT AAAGCCCGGCACGATTTCGTACATCGTCAACAAGCCGCTTTCTCCTGCCGCTTGAGCCGG TTTTTTCACCCATTCCGCCCATACGACTACGGTTAACGCACCTGCAACCATACCCGACAA CGCGCCGTAGGCAGTGATGCGTTTCCACAATACGGACAGAATCACAATCGGGCCGAATGC CGCGCCGAAACCTGCCCACGCGTAAGACACCAGTCCCAATACTTTGCTGTTCGGATCGGA AGCAATCAGGATGGAAATCACGGCAATCGCCAAGACCATCAGGCGGCCGACCCATACCAA TTCCGACTGTTGCGCGTTTTTACGCAAAAAGCCTTTGTAGAAGTCTTCGGTAATCGCGCT GGAGCAAACCAAAAGCTGGCAGGACAGGGTGGACATCACCGCCGCCAAAATCGCGCTCAA AATAATGCCGGCAATCCAAGGGTTGAACAGCAGGGTGGAAAGCGCGATGAAGATGCGTTC GTGGTTGCCGCTCATAGAAGAAACTTTGTCGGGATTTGCACCGAAATACGCAATGCCGAA ATAACCGACCGCTACCGCGCCCCCAAGGCACACGCCATCCAAGTCATACCGATGCGGCG TGCGGATACCAGCGATTTCGCGCTTTCGGCCGCCATAAAGCGCGCCAAAATGTGCGGCTG TCCGAAATAGCCCAAGCCCCATGCGGCGGTGGAAATGATGCCGATGACGGTCGTACCGGC AAACAGGCTGCCGTATTCTTTGCCCGTGCCTGCGGCGACACTTTGAATCGCGGCAGACAT CTGTTCCGCGCCCCAAGCCCAGATAGACCATCACAGGCGTTAAAATCAGCGCGAAAAT CATCAAAGAAGCCTGCAGCGTATCCGTCCAGCTTACCGCCAAAAAAGCCGCCCAAGAAGGT ATAGGCGATGGTCGCGCCCGCGCCCAGCCACATTGCCTGATTGTAAGTCATACCTTCAAA CAGGCTTTGGAACAGGGTTGCGCCCGCCACAATGCCCGAGGCGCAATAAATCGTGAAGAA GAAGAAATAATCCGGCAGCGTCAGCGCGTTGTTGGCGTATTCGGTATGTACGCGCAGACG GCCCGCCACCAAAAGCCAGTTGAAATACGCGCCGACCAAGAGGCCGATGGCAATCCAAGC ATCGGACGCCCTGCCGACATCGCGGTAACAAACGGGCCTAGGCTGCGCCCCAAAAT ATAATCGTCGAAATTGCGCGTAGAAAAATAGGCGGCAAGCCCGATGAGAAGGACTGCAAC CAGATAGATTGCAAAAGTAATGTACATGGGATTCATGTGCTATTCCTCGTCTAAAACTTC AGAATTACAGGCTTTGAAATTGCAAGCAACTTGCGCCTGAAATGTTTTTCTAATAAAAGT ACAACGGAAAATCCGGATACCCGAAAGGGGGATTCGGATAAATTATCTTCAATCACAATA AGATATGTAATAAAACTATATGAAATTGTAAATAATCCGTTTCAGGATAACCCAATTTCT GTTGTTTGCAAAGCACTTAATGGCTTAAAAAGCCGAGTTTGAAACGATGCGCGTCGGAAA AATCATTTAAAACAGCATATTGTTTTGTAGTGTCTTGTAATCGGGCGTTGCGCGGAATAT GAAATCCGTTTTCAGGCGGCAGGTGTTTTGAGGTGTAATTTAGCAACCGCAAAGGAGGCG CGGTATGTTTTGCCGATTATCCGCCGCCCGTTTTCAGACGGCATTTTTCCTTATACAATA GCCGATTGAATTTGATATGTTCAGGAAGGATACAGATTATGTTCGGCAAGCAGCTTTTTG AGGAAGTCGGCTCGAAAATCAGCGAAACCATCGCCAACAGCCCTGCCAAAGATGTGGAAA AAAATATTAAGGCGATGCTGGGCGGCGCGTTCAACCGTATGGATCTGGTTACGCGCGAAG AATTCGACATCCAGCAGCAGGTTTTAATCAAAACCCGTACCAAACTGGCGGCTTTGGAAG CGCGTTTGGAAAACTCGAAGCCGCGCAAAATCCCGAACGGGCAGCATTGGAAGCGGCTG AAGCCGCTGCCGAAGAAGCCGTCGCCGAAATCAGGCAGCAAACCGAAGCCGGCGAATAAG GTCGTCTGAAATATGTCGCTTGCCTTGGTTTACAGCCGCGCCTTGAGCGGTATGAATGCG CCGTTGGTCGAAGTGGAAGCCCACCTTGCCAACGGCCTGCCACATTTCAACATCGTCGGA CTGCCCGATATGGAAGTAAAGGAAAGTCGCGACCGTGTCCGTGCCGCCATTATTCAAAGC GGTTTTGAATTCCCCGCCAAAAAAATTACCGTCAACCTCGCCCCGCCGACCTGCCCAAA GAGTCGGGGCGTTTCGATTTGCCGATTGCAATCGGCATCCTTGCCGCATCGGGGCAGGTT GCGCCCGAAAAACTGGAGGAATACGAGTTTGCGGGGGAATTGGCACTGTCGGGGCTGTTG CGCCCCGTGCGTGGCGCTTGGCGATGGCGTGGCAGGGTATGCAGGCAAAACGTGCATTT GTTTTGCCTGAAGAAAATGCAGGACAAGCCGCCGTGATGCGCGGCATTACCGTTTACGGC GCGCGCTCTTTGGGCGAAGTCGCCGCCCATTTGAACGGCATCGAACCTTTGGCGCAAACC GAATGCCAAGTTCCTCAGATGCCGTTTGAACATGGCGGACAACCTGATTTGTGCGATGTG AAAGGTCAGCACCCCCGCGCCCTTGCTTTGGAAATCGCTGCCGCAGGCGGACACAGCCTC TTGATGATGGGTCCGCCGGGAACGGCCAAGTCTATGCTCTCCCAACGGCTGCCCGGCATC CTGCCGCCGCTGACCGAAGACGAATTGGTAGAAGTTTGGGCATTGCGTTCGCTCCTGCCC AACCACCAACAACAACTCGACAGCAACCGTCCTTTCCGCAGTCCGCATCACAGCGCCAGC GCGGCGGCTATGGTCGGCGGGGGGTTCGGATCCGCGTCCGGGCGAAATTTCATTGGCGCAC CACGGCGTTTTGTTTTTGGACGAGCTGCCCGAGTTTGACCGCAAAGTTTTGGAAGTTTTG CCTGCCAAATTCCAACTTGTTGCCGCCATGAACCCCTGCCCGTGCGGTTATCTCGGGCAT CCCGTCAAACCCTGCCGCTGCACGCCCGAAAGCGTCGCGCGTTACCGCAGCAAGATTTCC GGGCCGCTGCTCGACCGCATCGATTTGACCATCGAAGTCCCGAGCCTGTCCGCCGCCGAA CTGATGCAGCAGGAAGCAGGGGAAAGCAGCGCGTCCGTTTTGGAACGCGTTATCGCCGCT GACACATCCGCCCGCATTCAAAAAGAAGCGCAGGAAGCATTGGGCGGCCTGCTGGAAAAA

CTCTCCCTTTCCGCCCGCAGCTTCCACCGCATTATGCGCGTGGCGCGTACATTGGCGGAT TTGGCGGGCGACGAAGAAGTCGGCAGAAGCCACGTCATGAAAGCCATAGGTTTCCGTCGT GCTTTATAGGAATGGAATGGAAGCAGGTTTTGCCCAAATATGGCGATATTGTTAGAATA TCCGCCCGTAAGCAAACGGCGTTAATGCCGTCTGAAACACATTAAGGTATGTTTATGAAC AAATTTTCCCAATCCGGAAAAGGTCTGTCCGGTTTTTTCTTCGGTTTGATACTGGCGACG GTCATTATTGCCGGTATTTTGTTTTATCTGAACCAGAGCGGTCAAAATGCGTTCAAAATC CCGGCTTCGTCGAAGCAGCCTGCAGAAACGGAAATCCTGAAACCGAAAAACCAGCCTAAG GAAGACATCCAACCTGAACCGGCCGATCAAAACGCCTTGTCCGAACCGGATGCTGCGACA GAGGCAGAGCAGTCGGATGCGGAAAAAGCTGCCGACAAGCAGCCCGTTGCCGATAAAGCC GACGAGGTTGAAGAAAAGGCGGGCGAGCCGGAACGGAAAGAGCCGGACGGACAGGCAGTG CGTAAGAAAGCGCTGACGGAAGAGCGTGAACAAACCGTCAGGGAAAAAGCGCAGAAGAAA GATGCCGAAACGGTTAAAAAACAAGCGGTAAAACCGTCTAAAGAAACAGAGAAAAAAAGCT ATCCTCAACAGCGGCAGCATCGAAAAAGCGCGCAGTGCCGCCGCCAAAGAAGTGCAGAAA ATGAAAACGTCCGACAAGGCGGAAGCAACGCATTATCTGCAAATGGGCGCGTATGCCGAC CGTCAGAGCGCGGAAGGGCAGCGTGCCAAACTGGCAATCTTGGGCATATCTTCCAAGGTG GTCGGTTATCAGGCGGGACATAAAACGCTTTACCGGGTGCAAAGCGGCAATATGTCTGCC CATGCGGTGAAAAAATGCAGGACGAGTTGAAAAAACATGAAGTCGCCAGCCTGATCCGT TCTATCGAAAGCAAATAATTATGAAGCTCAAACATCTGTTGCCGCTGCTGCTGTCGGCAG TGTTGTCCGCGCAGGCATATGCCCTGACGGAAGGGGAAGACTATCTTGTGTTGGATAAAC CCATTCCTCAAGAACAGTCGGGTAAAATTGAGGTTTTGGAATTTTTCGGCTATTTCTGCG TACATTGCCATCATTTCGATCCTTTGTTATTGAAACTGGGCAAGGCATTGCCGTCTGATG CCTATTTGAGGACGGAGCACGTGGTCTGGCAGCCTGAAATGCTCGGTTTGGCTAGGATGG CGGCTGCCGTCAATTTGTCGGGTTTGAAATATCAGGCAAACCCTGCTGTTTTAAAGCAG TTTACGAACAAAAATCCGCTTGGAAAACAGGTCGGTTGCCGGAAAATGGGCTTTGTCTC AAAAAGGCTTTGACGGCAAAAAACTGATGCGCGCCTATGATTCCCCCGAAGCTGCCGCCG CCGCATTAAAAATGCAGAAACTGACGGAACAATACCGCATCGACAGCACGCCGACCGTTA TTGTCGGCGGAAAATACCGCGTTATCTTCAATAACGGCTTTGACGGCGGCGTTCATACGA TTARAGAATTGGTTGCCAAAGTCAGGGAAGAACGCAAGCGTCAGACCCCTGCTGTACAGA **AATAGCCGAACTCCCGTATCCGAAAGAAGCGCAAGCAATGGATTTTCTGATTGTCCTGAA** AGCCCTGATGATGGGCTTGGTAGAAGGTTTTACCGAATTTTTACCGATTTCCAGCACCGG ACATTTGATTGTGTTCGGCAATCTGATTGGTTTTCACAGCAATCACAAGGTTTTTGAAAT TGCCATCCAGCTCGGTGCAGTTTTGGCGGTAGTGTTTGAATACCGGCAACGTTTCAGCAA TGTGTTGCACGGCTTGGGAAAAGACCGGAAAGCCAACCGCTTCGTCCTTAATCTTGCCAT GGAGAAACGCCAAAGCCGAGCAGAGCCTAAAATTGCCGATGTTGATGCATTGCGTCCGAT TGATGCCTTGATGATCGGCGTTGCCCAAGTGTTTGCACTGGTTCCGGGTACGTCCCGTTC GGGCAGTACGATTATGGGCGGGATGCTTTGGGGCATCGAACGGAAAACTGCGACAGAATT CTCGTTTTTCTTGGCTGTGCCGATGATGGTTGCCGCAACGGCTTATGATGTCCTGAAACA TTACCGATTTTTCACCCTGCATGATGTCGGTTTGATTCTGATAGGCTTTATTGCTGCCTT TCCTTTTGCCTATTACCGCATTGTTTTTGGTATTGCCATCATTATATTGTGGCTGTCAGG CTGGATAAGTTGGGAATGAAACCATAAACCCGACCTGAAGACATTATTCGGGTCGGGTTT GTCTGGCGGCTGATATAGTGAATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGAT AGTACGGCAAGGCGAGCCAACGCTGTACCGGTTTAAATTTAATTCACTATAAAATCAGGA CAGGCGGGGCGATAGGTTTAAAGTCGATTGCCTGTTTTGAAGGCAGTGGTTTATTCTTTA TTTGCTGGCAATCAGGCAATAAAAAAGCACATACCTTTTTACGGTCTGTGCTTTTTTATC TGGTGGAGGTAAGCGGGATCGAACCGCTGACCTCTTGCATGCCATGCAAGCGCTCTACCA ACTGAGCTATACCCCCGAAAATTTGGTGGCGAATCAGGGACTCGAACCCCGGACACAAGG ATTATGATTCCTCTGCTCTAACCGACTGAGCTAATTCGCCGTTTCGTGAAGACGCTATTA TATGTTTTTCTGTTTTTTGACAAGCCGTATTTTTTAATTTTGAATTAGTTGACTGTTTT TAAATGTTAAAAAGTTTATGCCGTCTGAAGCGGATTCAGGCGGCATGAGGGTTAGAGTTT GTGGCAGATGTCGCCGAAGCGGAATCCTGCCCAGTCGATGCCGATATTTTTTCCGAATGC GATGACTTTAAACAGTTCGCCCATTTCATGCTGGTCAATCAGTTTCTGAACGGCAGCAGC TTCACAGATGTAGGCTGCCGAATCCGTTTTCCCCGTCTGTGCCAATAGCTCGGTAATGCC CAAGTTCAATAAGAAATGGGATTGGGGAAGGTAACCTATCAAATCTAATCCGGCATCCGT CCCTGCTTGTGCAATGTCGGTAAAGTTGACATGTGCGGTCAGGTCGGCCAATCCGATGAA GTCAAAAGGATTGTGGATAATGTGATGTCGGTAGTGTCCGATCAGAGTACCTTGATTGCG TTGAGGGTGGTAATACTGCGCTGCATCAAAACCGTAGTCGATGAATATCATGCAGCCGTG TTCGAGTCTTGAGGCAAGGGTGCGGATAAAGGCATATTGTTGCGGATGTAGTTCGCTGGT ATAGGGATAATCTGTTTGAGGAAAATAGAGGGAAGCCAAGGCAGATAGCTGCAAGTCGTG CAGCGGTCGTGCCGAATAGGTAAAACGGTCATTATCTAGGCAAACGCCGACATGCTCGAA TGAGCCGCCTTCATTTTTACGGACGATTTCGACAGGCATGGCATCGAGTACTTCGTTGCC GATGATGATGCCGTCAAACGCTTCGGGAAGTGCGGTCAAGTGGACAACTTTTTGAGATGC TTCCGGTGCGCGTGCTTGAATCAGGTTTTTCTGACGTGCTGCCAGCTCCGGCGATATTTC AATAATATAGTAACGGCTGATGCCGTCCGAAATGCTGCCCAACAAATCGGCGGCAAGCTG TCCGGTTCCCGCGCCGAATTCATAGATATTGCCCGCCGTTTGGGATAGAAGTTCTTGAAG TTGGCGTGCCAGTGTCTGTGCAAACAGAGAGGTGAGGGTCGGTGCGGTAATAAAATCCCC GGTATTGCCGATTTTATGGCTGCCGCCGGTGTAGTAGCCGTATTGCGGAGCGTATAAAAC CAATTCCATAAAACGTGAAAATGGAATCCAGTTGCCGTGTTTGCCGATTTTTTCGGCAAT TGTTAGCTTGTGTAAATTTATTGGATTTCCCGACATATTACACGTTGGTACGGGTGCTGT ... CATGGCTTTATCTTAATACTATATATTGTGTTTTATATTATTAAATTAATCATATATAGTT GTTTATTGGTTCGATTATTCTGTACCGCACCCGCCGTGCCGTTGTCGTCATTTTTTATCT

TATTGTTTTTAAAAGGAATAAAATTTCAGATATGTTAATGAGTTTTCATGCCCTGATTT GACCGAGTGTTTAAAATTTCTTATAGTGTCGATTGGTGGGGAATTGTGGGGCAAAGTGTC TCTTTTACCCTTGTGATTTTGATTTCGGCTTGGGACATGTCATGTTCGGCGGCGCACACG AATTAAGCATCGACAGTAAGGGGCGGTTGGCTGTTCCTGCCAAATTCCGTGACATTCTGT CGCGCCTCTATACGCCTGCCGTAGTGGTAACGCTCGAGTCGAAACACAAGCTGTTGATGT ACCCTGTTGCGGAGTGGGAAAAGGTTGCGGCGCAACTTTTAAACTTAAAAGTGGCGGATA ACCCTGTTTTGCGGCGGTTTCAAAATCTTTTGCTGCATAACGCGGAAATTTTGGAATGGG ACAGCGCCGGCCGGGTGCTGGTTTCTGCCGGACTGAGGAAGAGGGTGGATTTCGACCGTG AAGTCGTTTTGGTCGGTCGTGCCAACCGTTTGGAGCTTTGGGGTCGCGAGCAGTGGGAGG CTGAGATGGTTCAGGCTTTGGATGACGATCCTGACGAACTTGCCTTCCAGTTGAGTCAGA CGGATTTGCAATTGTGAGTGGAGCAGAAAGTTACCGGCATATCACGGTCTTGCTGAATGA GGCGGTGGATGCGCTTGCCGTGCGCGAAGACGGTGTCTATGTGGACGGTACGTTCGGCAG GGGAGGCATTCCCGGCTGATTTTGTCGCGTTTGGGCGATGCGGGGCGGTTGATTGTTTT CGACAAAGACCCGCAGGCGATTGCTGTGGCAGAAGAGCTGGCGCGTTCGGACAAACGGGT CGGTGTCGTGCATGGCGGTTTTGCTTCGTTTCAGACGGCATTGGACGGTTTGGGTATCGG CAAGGTGGACGGTGCGCTGTTTGATTTGGGGATTTCGTCCCCGCAAATCGATGACGGCAG CCGCGGTTTCAGCTTCCGTTTCGATGCCCCTTTGGATATGCGTATGGATACGACGCGCGG TATGTCTGCCGCAGAGTGGATAGCGGTTGCGTCGGAACAGGATTTGCACGAGGTAATCAA GAATTATGGTGAAGAGCGGTTTAGCCGCCGGATTGCGCGCCCATTGTTGCGCAACGGGC GGAAAGTCCAATCGATACAACCCGCAAGCTGGCGCAGATCGTGGCACAAAACGTCCGTAC TCGCGAGCGGGGCAGGATCCTGCGACGCGCACCTTCCAGGCGGTCCGCATCTTTATTAA CCGCGAGCTTGAAGAAGTAGGGGCAGTATTGCCGCAGGTCATGTGTCGTCTGAAAGAGGG CGGACGTTTGGCGGTCATTGCTTTCCATTCGTTGGAAGATCGCATTGTGAAGCAGTTTGT CAAAAATATTCGCAACACGCGCCCCTGCCGCGCTGGGCGGCGGTCAGGGAAGCGGATTT GCCCGAGCTGCCCCTGAAAATCGTGGGCAGGGCATTAAAGCCGGGTGAGGCGGAAATTGC CGCCAATCCGAGGGCGAGAAGTGCGGTTTTGCGTGTGGCGGAGCGGACTGCCGGTCCGAT ACCGGAACAATCACAGAGAAAAACGTCTGAATGGCAATGAACAAATTGAATTTCCTTCTG CTGCTTGCGGTGTGCGTTTCCGCTTTTTCCGTTGTGATGCAGCAAAACCAGTACAGGCTC AATTTCACAGCTTTGGATAAGGCGAAAAAACAGGAAATCGCCTTGGAGCAGGATTATGCG CAAATGAGGCTGCAACAGGCGCGTTTGGCGAACCACGAAGCGATCAGGGCGGCGGCAGAA AAACAAAACCTCCATCCGCCGGTTTCGGGCAATACCTTTATGGTGGAGCATCAAAGATAG AAGCAGCCTGTGTGCCGGAATCGGATTCCTGCGTCAGGATAATAATAACGAGAAGTAAAA ATGTTGATTAAGAGCGAATATAAGCCTCGGATGCTGCCCAAAGAAGAGCAGGTCAAAAAG CCGATGACCAGTAACGGACGGATCAGCTTCGTCCTGATGGCAATAGCGGTCTTGTTTGCC GGTCTGATTGCTCGCGGACTGTATCTGCAGACGGTAACGTATAACTTTTTGAAAGAACAG GGCGACAACCGGATTGTGCGGACTCAAACATTGCCGGCTACACGCGGTACGGTTTCGGAC CGGAACGGTGCGGTTTTGGCGTTGAGTGCGCCGACGGAGTCCCTGTTTGCCGTGCCTAAA GAGATGAAGGAAATGCCGTCTGCCGCACAATTGGAACGCCTGTCCGAGCTTGTCGATGTG ${\tt CCGGTTGATGTTTTGAGGAACAAGCTCGAACAGAAGGCCAAGTCGTTTATCTGGATTAAG}$ CGGCAGCTCGATCCCAAGGTTGCCGAAGAGGTCAAAGCCTTGGGTTTGGAAAACTTTGTA TTTGAAAAAGAATTAAAACGCCATTACCCGATGGGCAACCTGTTTGCACACGTCATCGGA TTTACCGATATTGACGGCAAAGGTCAGGAAGGTTTGGAACTTTCGCTTGAAGACAGCCTG CATGGCGAAGACGGCGCAAGTCGTTTTGCGGGACCGGCAGGGCAATATTGTGGACAGC TTGGACTCCCCGCGCAATAAAGCCCCGAAAAACGGCAAAGACATCATCCTTTCCCTCGAT CAGAGGATTCAGACCTTGGCCTATGAAGAGTTGAACAAGGCGGTCGAATACCATCAGGCA AAAGCCGGAACGGTGGTGTTTTGGATGCCCGCACGGGGGAAATCCTCGCCTTGGCCAAT ACGCCCGCTACGATCCCAACAGGCCCGGCCGGCAGACAGCGAACAGCGCGCAACCGT GCCGTAACCGATATGATCGAACCCGGTTCGGCAATCAAACCGTTTGTGATTGCGAAGGCA TTGGATGCGGCCAAAACCGATTTGAACGAACGGCTGAATACGCAGCCTTATAAAATCGGA AAATCGTCCAACGTCGGCACAAGCAAACTGTCTGCGCGTTTCGGTGCCGAAGAAATGTAT GACTTCTATCATGAGTTGGGCATCGGTGTGCGTATGCACTCGGGCTTTCCGGGCGAAACT GCAGGTTTGTTGAGAAATTGGCGCAGGTGGCGGCCTATCGAACAGGCGACGATGTCTTTC GGTTACGGCCTGCAATTGAGCCTGCTGCAATTGGCGCGCCCTATACCGCACTGACGCAC GACGGCGTTTTACTGCCGGTCAGCTTTGAAAAACAGGCGGTTGCGCCGCAAGGCAAACGC ATATTCAAAGAATCGACCGCGCGCGAGGTACGCAATCTGATGGTTTCCGTAACCGAGCCG GGCGGCACCGGTACGGCGGTGCGGTGGACGGTTTCGATGTCGGCGCGAAAACCGGCACG GCGCGCAAGTTCGTCAACGGGCGTTATGCCGACAACAACACATCGCTACCTTTATCGGT TTTGCCCCCGCCAAAAATCCCCGTGTGATTGTGGCGGTAACCATTGACGAACCGACTGCC CACGGTTATTACGGCGGCGTAGTGGCAGGGCCGCCCTTCAAAAAAATTATGGGCGGCAGC CTGAACATCTTGGGCATTTCCCCGACCAAGCCACTGACCGCCGCAGCCGTCAAAACACCG TCTTAATCCGAGTATCAACGAGATTGTTTTATGTTCAGCAAGTTAACCCCTTTGGCTGAA ACCGGCATCCCGACTCTGTCGTGTGCAAACGCGGCAGGGCGTTTGTTGCATTCAGACAGC AGTTATATCCCCGCCGCCGTTGCCAACGGCGCGCTTTTGTTTTTTGGGACGACGACGC AAATTTGCGTGGAATCCCGAATGGAAAGTCCCCAATCAAGGCATCAAAGATTTGAAACAC CGTGCCGGCATATTGGCGGCGCAAGTTTACGGCAACGTTTCAGACGGCCTCAAAGTTTGG TTGTTGGGCGAAAAAACCGCCATTGTCGGCACGGTCGGCAACGGCTTTTGGGGTGCATTG GAAGAAACCACGCATACCACACCCGCCCCGTCGATGTCCAAACCCTGCTCTACCGTTTC CGTCAACAAGGCGCAACAGTCGCCGCGATGGAAGTCTCCAGCCACGGGCTTGACCAGTCG CGCGTCAACGGCGTGTCATTCCGCAGCGCAATCTTTACCAACCTCACCCGCGACCACCTC GACTACCACGGCACGATGGAAGCCTACGGTGCCATCAAGTCGCGCCTGTTTTACTGGCAC GGCTTGAAACACGCAGTCATCAACGTGGATGACGAATACGGCGCGGAACTCGTAGGTCGT CTGAAAAAAGACTGTCCCGATTTGGCCGTTTACAGCTATGGTTTCAGCGAACACGCCGAC

ATCCGCATTACCGACTTTACCGCCTCTTCAGACGGCATAGCAGCCGTATTCCAAACCCCG TGGGGCGAAGGGAAATGCCGCACGCGCCTGCTCGGACGGTTCAACGCGCAAAACCTCGCC GCCTGCATCGCCTTGCTGCGCCAACGGCTATCCGCTTGATAAGGTATTGGATGTGCTG GCAAAAATCCGTCCCGCTTCAGGGCGCATGGACTGCATCATGAACAGCGGCAAGCCCTTG GTCGTTGTCGATTATGCCCACACGCCCGACGCATTGGAAAAAGCACTCGCCACCTTGCAG GAAATCAAACCGCAGGGTGCGGCTTTATGGTGCGTATTCGGTTGCGGCGGCAACCGCGAT CGCGGCAAACGCCCGCTGATGGGCGCGGCAGCCGTACAGGGCGCGGATAAAGTCGTCGTC CAAGCCGCCGCAAACGACATCATCCTGATTGCCGGCAAAGGGCATGAAAACTATCAGGAT GTACAAGGCGTGAAGCACCGTTTTTCCGATCTTGAAATCGTCGGACAGGCTTTGTTAACT CGTAAATAATGGGATATTCGGACGGCATCGTATGAAACAATCCGCCCGAATAAAAAATAT GAATCAGACATTAAAAAATACATTGGGCATTTGCGCGCTTTTAGCCTTTTGTTTTGGCGC GGCCATCGCATCAGGTTATCACTTGGAATATGAATACGGCTACCGTTATTCTGCCGTGGG TGCTTTGGCTTCGGTTGTATTTTTATTATTATTGGCACGCGGTTTCCCGCGCGTTTCTTC TGGTGCGCCGTCTTATCAGATAGTCGGTTCGATATTGGAAAGCAATCCTGCCGAGGCGCG TGAATTTGTCGGCAATCTTCCCGGGTCGCTTTATTTTGTGCAGGCATTATTTTCATTTT TGGCTTGACAGTTTGGAAATATTGTGTATCGGGGGGGGGTATTTGCTGACGTAAAAAACT ATAAACGCCGCAGCAAAATATGGCTGACTATATTATTGACTTTGATTTTGTCCTGCGCGG TGATGGATAAAATCGCCAGCGATAAAGATTTGCGAGAACCTGATGCCGGCCTGTTGTTGA ATATTTCGACCTGTATTACGATTTGGCTTCCGCGCCGCACAATATGCCGCCAAGCGCG CCCACATTTTGGAAGCAGCAAAAAAAGCGTCAACATGGCATATCCGTCATGTTGCGCCCA AGTATAAAATTATGTTGTGGTTATCGGTGAGAGCGCGCGTTCGGATTATATGAATGTTT ACGGTTTCCCATTGCCCGATACGCCTTTTTTGAGTCAGACCAAAGGGCTGTTGATAAACG GTTACCAATCGACCGCCCACGCGACGAATCTTTCGCTGCCGCAGACTTTGGGGCTGCCGG GAGAACCGAACAATAACATCGTCAGCTTGGCGAAGCAGGCGGGTTTTCGGACGGCGTGGC TGTCTAATCAAGGAATGTTGGGGCATTTTGCCAACGAAATTTCCACCTATGCCCTACGCA GCGATTATCCGTGGTTTACCCAAAGGGGTGATTATGGCAAAAGCGCGGGGTTGAGCGACC GCCTTTTGTTGCCGGCGTTCAAACGGGTTTTGATAGGAAATGCAGGCACGAAGCCTCGGC TGATTGTGATGCACCTGATGGGTTCGCACAGTGATTTTTGCACACGTTTGGATAAGGATG CGCGGCGGTTTCAGTATCAAACTGAAAAAATATCCTGCTATGTTTCCACCATCGCGCAAA CACATGGTGCGTGGAAGCGTCAAAGCTACGGCGTGCCGCTGGTTAAAATTTCGTCCGATG ACACGCGGCGCAAATGATTAAAGTGAGGCGCAGCGCGTTTAATTTTTTACGCGGATTCG GCAGTTGGACGGGTATCGAAACCGACGAGTTGCCCGATGACGGCTATGATTTTTTGGGGGA ATGTTCCCGATGTGCAGGGCGAAGGCAATAACCTTGCCTTTATCGACGGACTGCCCGACG ACCCCGCGCGCGTGGTATGCGGGAAAAGGCAAATCGACTAAAAATACGTCTAAAAAATGAT ACGTACAGAAAAATGCCGAATGAGAATGGGAAAATAATCTGTGTTTTACCACAGCAAAA CAGGCGATAAAAAAATCAGCCGCTACCGATGTGTCCGCCGCCCGAATATTAACGAAAGTA AATATGAAACCACTGGACCTAAATTTCATCTGCCAAGCCCTCAAGCTTCCGATGCCGTCT GAAAGCAAACCCGTGTCGCGCATCGTAACCGACAGCCGCGACATCCGCGCGGGCGATGTG TTTTTCGCATTGGCGGGCGAGCGGTTTGACGCGCATGATTTTGTTGAAGACGTATTGGCT AAAGTCGATGACACGCTTGCCGCATTGCAAACGCTGGCAAAGGCGTGGCGTGAAAATGTG AATCCGTTTGTGTTCGGCATTACCGGTTCGGGCGGCAAGACGACGGTGAAGGAAATGCTG AACAACCATATCGGATTGCCGCTGACTTTGTTGAAGTTAAACGAAAAACACCGCTATGCC GTGATTGAAATGGGCATGAACCATTTCGGCGAACTGGCGGTTTTAACGCAAATCGCCAAA CCAAATGCCGCATTGGTCAACAACGCCATGCGCGCCCATGTCGGCTGCGGTTTCGACGGA GTGGGCGATATTGCCAAAGCGAAAAGCGAGATTTACCAAGGTTTATGTTCAGACGGCATT GCACTGATTCCTCAAGAAGATGCCAATATGGCTGTCTTCAAAACGGCAACGCTTAATTTG AATACGCGCACTTTCGGCATCGATAGCGGCGATGTTCACGCGGAAAATATTGTGCTGAAA CCGTTGTCGTGCGAATTTGATTTGGTGTGCGGCGATGAGCGCGCCGCCGTGGTGCTGCCT GTTCCCGGCCGCCACAATGTCCACAACGCCGCCGCTGCCGCCGCGCTGGCTTTGGCTGCG GGTTTGAGTTTGAACGATGTGGCGGAAGGTTTGAAAGGCTTCAGCAATATCAAAGGCCGT CTGAACGTCAAATCCGGAATCAAGGGCGCAACCCTGATTGACGATACTTATAATGCGAAC CCTGACAGCATGAAAGCTGCGATTGACGTGTTGGCGCGTATGCCTGCGCCGCGTATTTTC GTGATGGGCGATATGGGCGAACTGGGCGAACTGGGCGAGGACGAAGCCGCCGCTATGCAC GCCGAAGTCGGCGCGTATGCCCGCGACCAAGGCATCGAAGCGGCTTATTTTGTCGGCGAC AACAGCGTCGAAGCGGCGGAAAAATTTGGCGCGGACGGTTTGTGGTTCGCCGCCAAAGAC CCGTTGATTCAAGTGTTGCGCCACGATTTGCCCGAACGCGCCCACCGTGTTGGTGAAAGGT TCGCGCTTTATGCAGATGGAAGAAGTGGTCGAGGCATTGGAGGATAAGTGAAAATGAAAA GCCGACGTTTTTTTAAAGCCTTATTGCTGATTGCCGCGCTGGTCGGCGCGTTTTATGCCG GAATGCGGACGCAGGCGTATCTTTATGAAGATTTATGTTTAGACTTGGGCGGCGGTAAAA ATCCGGGGAGTTACCCAATTTGCGTGATTGAGAAAGTCCCTGCACGTTAATCTGCAAAAG CCGTCCGAAACCTTGCCGGGCGGCAAGCCAACCTCAAACGGGCGCAGGCCCGATGTATAG TGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAAC CGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAA TTTTATGGCTCGCACATTTCAGCAACTGGTTAACCGGTCTGAATATTTTTCAATACACCA CATTCCGCGCCGTCATGGCGGCGTTGACCGCCTTAGCGTTTTCCCTGATGTTCGGCCCGT **AAACCCACCTCGTCAAAAACGGCACGCCGACGATGGGCGGTTCGCTGATTCTGACCGCCA** TTACCGTGTCCACCCTGTTGTGGGGCAACTGGGCAAACCCGTATATCTGGATTCTCTTGG GCGTATTGCTCGCCACGGGCGCACTCGGTTTTTACGACGACTGGCGCAAAGTCGTCTATA AAGACCECAACGGCGTGTCCGCCAAATTCAAAATGGTGTGGCAGTCAAGCGTTGCCATTA TCGCCAGTTTGGCATTGTTTTACCTTGCCGCCAATTCCGCCAACAATATTTTGATTGTCC CGTTCTTCAAACAAATCGCCCTGCCGCTGGCGTGGTCGGCTTTTTGGTGTTGTCTTACC TGACCATCGTCGGCACATCCAATGCCGTCAACCTCACCGACGGCTTGGACGGCCTTGCGA CCTTCCCCGTCGTCCTCGTTGCCGCCGGCCTCGCCATCTTCGCCTATGCCAGCGGCCACT CACAATTTGCCCAATACCTGCAATTACCTTACGTTGCCGGCGCAAACGAAGTGGTGATTT TCTGTACCGCCATGTGCGGCGCGTGCCTCGGTTTCTTGTGGTTTAACGCCTATCCCGCGC **AAGTCTTTATGGGCGATGTCGGTGCATTGGCATTGGGTGCCGCCCTCGGTACCGTCGCCG** TTATCGTCCGCCAAGAGTTTGTCCTCGTCATTATGGGCCGGATTATTTGTCGTAGAAGCCG TATCCGTTATGCTTCAGGTTGGCTGGTATAAGAAAACCAAAAAACGCATCTTCCTGATGG TTTGGATTATTACCATCGTCTTGGTGTTGATCGGTTTGAGTACCCTCAAAATCCGCTGAA CCTATGCCGTCTGAACATCTTTCAGACGGCATTTGAACGCGCAATAAACCTGCGGCGACA ATCCGCCCAGCCCTATCGTTAACGGTGGCTGAAACCCGCCTTATACTAAAACAGAAGTAA AACCATGAAACAGACAGTCAAATGGCTTGCCGCCGCCCTGATTGCCTTGGGCTTGAACCG AGCGGTGTGGGCGGATGACGTATCGGATTTTCGGGAAAACTTGCAGGCGGCAGCACAGGG AAATGCAGCAGCCCAATACAATTTGGGCGCAATGTATTACAAAGGACGCGGCGTGCGCCG GGATGATGCTGAAGCGGTCAGATGGTATCGGCAGGCGGCGGAACAGGGGTTAGCCCAAGC CCAATACAATTTGGGCTGGATGTATGCCAACGGGCGCGCGTGCGCCAAGATGATACCGA AGCGGTCAGATGGTATCGGCAGGCGCAGCGCAGGGGGTTGTCCAAGCCCAATACAATTT GGGCGTGATATATGCCGAAGGACGTGGAGTGCGCCAAGACGATGTCGAAGCGGTCAGATG GTTTCGGCAGGCGCAGCGCAGGGGGTAGCCCAAGCCCAAAACAATTTGGGCGTGATGTA TGCCGAAAGACGCGGCGTGCGCCAAGACCGCGCCCTTGCACAAGAATGGTTTGGCAAGGC TTGTCAAAACGGAGACCAAGACGGCTGCGACAATGACCAACGCCTGAAGGCGGGTTATTG TGATTTGTTTTAGGACAAACCAAAATGACTTTTCAAAACAAAAAAATCCTCGTCGCCGGA CTCGGCGGTACGGGTATTTCCATGATTGCCTACCTGCGCAAAAACGGCGCGGAGGTTGCT GCGTATGATGCGGAGCTGAAGCCGGAACGCGTGTCGCAAATCGGTAAGATGTTTGACGGG TTGGTGTTTTACACGGGCCGTCTGAAAGATGCGCTGGACAACGGTTTCGATATTCTGGCT CTCAGTCCCGGCATCAGCGAGCGGCAGCCGGATATTGAGGCGTTCAAGCAAAACGGCGGA CGCGTGTTGGGCGACATCGAATTGCTGGCGGACATTGTGAACCGCCGGGACGACAAGGTA ATTGCGATTACCGGCAGCAACGGCAAAACCACGGTAACGAGCCTGGTCGGCTATCTCTGT ATCAAGTGCGGGCTGGATACCGTTATCGCGGGCAATATCGGCACGCCGGTTTTGGAGGCG GAATGGCAGCGCGAAGGCAAAAAGGCGGACGTGTGGGTGTTGGAGCTTTCCAGCTTCCAA CTGGAAAACACCGAAAGCCTGCGTCCGACTGCGGCGACGGTGCTGAACATTTCCGAAGAC CATCTCGACCGCTACGACGACTTGCTCGACTATGCGCATACCAAAGCCAAGATTTTCCGT GGCGACGGCGTGCAGGTTTTGAATGCGGACGATGCGTTCTGCCGCGCGATGAAGCGTGCC GGGCGCGAGGTAAAATGGTTTTCGTTGGAACACGAAGCTGATTTCTGGTTGGAACGCGAG ACAGGCCGCCTGAAACAAGGCAATGAAGATTTGATTGTCACGCAAGACATTCCGTTGCAA GGTCTGCACAACGCCGCTAACGTCATGGCTGCCGTGGCTTTGTGTGAGGCCATCGGTTTG TCGCGCGAAGCATTGCTCGAACACGTCAAAACCTTCCAAGGCCTGCCGCACCGCGTGGAA AAAATCGGCGAGAAAAACGGCGTGGTGTTTATCGACGACAGCAAAGGCACGAATGTCGGC GCGACTGCCGCCGCGATTGCCGGTTTGCAAAATCCGCTCTTCGTGATTTTGGGCGGCATG GGTAAAGGGCAGGACTTCACGCCCCTGCGCGATGCACTGGTAGGCAAGGCAAAAGGCGTG TTCTTGATTGGTGTCGATGCGCCGCAAATCCGCCGCGATTTGGACGGCTGCGGCTTGAAT ATGACCGACTGCGCCACTTTGGGAGAAGCCGTTCAGACGGCATATGCCCAAGCCGAAGCA GGCGATATTGTGTTGCTCAGCCCCGCCTGCGCGAGCTTTGATATGTTCAAAGGCTACGCG CACCGTTCGGAAGTGTTTATCGAAGCGTTTAAGGCTTTGTGATGCCGTCTGAAATGCAAA CGCCGTCATTGTTGGGCGGCAAGTAAAGATTTAGAATACCGATTTGGGATGTATCGTATG TTCGGACGCATTGTCTGCCGTCTGAAATTTTTGCCCTTTGCGGCAGGTGCAAACAGACT GGCAGGTGGTTTTTTGAAGATTTCGGAAGTATTGGTAAAAGTGGGCGACGGTGTCCACA CTCTGCTGCTCGACAGGCCGATTGTGCGCGACGGCAGGAAATTCGACGCGCCGCTTTTGT GGATGGTGGTGCTGATGACGGCGTTCAGCCTGCTGATGATTTATTCGGCTTCTGTGTATT TGGCATCAAAAGAAGGCGGCGATCAGTTTTTCTATTTGACCAGACAGGCGGGGTTCGTCG TTGCCGGCTTGATAGCGAGCGGTTTGTTATGGTTTCTTTGCAGGATGAGGACATGGCGGC GGCGCGAAATCAATGGCGCGACCCGTTGGATACCTTTGGGTCCGTTGAATTTCCAGCCGA CCGAGCTGTTCAAGCTGGCGGTCATCCTTTATTTGGCAAGCCTGTTCACGCGCCGTGAAG AAGTGTTGCGCAGCATGGAAAGTTTGGGTTGGCAGTCGATTTGGCGGGGGACGGCCAATC TGATCATGTCCGCCACCAATCCGCAGGCACGTCGTGAAACATTAGAAATGTACGGCCGTT TCCGGGCGATCATCCTGCCGATTATGCTGGTGGCGTTCGGTTTGGTGCTGATAATGGTAC AGCCGGATTTCGGTTCGTTTGTCGTCATTACCGTCATTGCCGTTGGAATGCTGTTTTTGG CAGGATTGCCGTGGAAATATTTTTTCGTCCTGGTAGGCAGCGTCTTGGGCGGGATGGTGC TGATGATTACCGCCGCTCCCTACCGTGTGCAGCGGGTAGTGGCATTTTTGGACCCGTGGA **AAGACCCGCAGGGTGCCGGCTACCAGCTTACCCACTCTCTGATGGCAATCGGGCGCGGAG** AGTGGTTCGGTATGGGTTTGGGTGCGAGTTTGAGCAAACGCGGCTTTCTGCCGGAAGCGC TGATATTCTGTTACGGCTGGCTGGTGGTGCGGGCGTTTTCCATCGGCAAGCAGTCGCGCG ATTTGGGTTTGACTTTCAACGCCTATATCGCTTCGGGTATCGGCATTTGGATCGGTATCC AAAGTTTCTTCAATATCGGTGTGAACATCGGTGCTTTGCCGACCAAAGGTCTGACGCTGC CGTTGATGTCCTATGGCGGTTCGTCAGTCTTTTTCATGCTGATCAGCATGATGCTGCTGT ...TGCGTATAGATTATGAAAACCGCCGGAAAATGCGCGGTTATCGGGTGGAGTAAATCATGG GCGGTAAAACCTTTATGCTGATGGCGGGGGGGGAACGGGCGGACATATTTTCCCCGCGCTGG

CGGTGGCGGATTCATTGCGCGCGCGCGCCATCATGTGATTTGGCTGGGCAGCAAGGATT CGATGGAAGAGCGTATCGTGCCGCAATACGGCATACGCTTGGAAACGCTGGCGATTAAAG GCGTGCGCGGCAACGGCATCAAACGCAAACTGATGCTGCCGGTTACTTTGTATCAAACCG TCCGCGAAGCGCAGCGGATTATCCGCAAACACCGTGTCGAGTGCGTCATCGGCTTCGGCG GCTTCGTTACCTTCCCCGGCGGTTTGGCGGCGAAGCTATTAGGCGTGCCGATTGTGATTC ACGAGCAAAACGCCGTGGCAGGTTTGTCCAACCGCCACCTGTCGCGCTGGGCGAAGCGGG TGTTGTACGCTTTTCCGAAAGCGTTCAGCCACGAAGGCGGCTTGGTCGGCAACCCCGTCC GCGCCGATATTAGCAACCTGCCCGTGCCTGCCGAACGCTTCCAAGGGCGTGAAGGCCGTC TGAAAATTTTGGTGGTCGGCGGCAGTTTGGGCGCGGACGTTTTGAACAAAACCGTACCGC AGGCATTGGCTTTGCTGCCCGACAATGCGCGTCCGCAGATGTACCACCAATCGGGACGGG GCAAGCTGGGCAGCTTGCAGGCGGATTACGACGCGCTGGGCGTGAAAGCCGAATGCGTGG **AATTTATTACCGACATGGTGTCCGCCTACCGCGATGCCGATTTGGTGATTTGCCGTGCCG** GCGCGCTGACGATTGCCGAGTTGACGGCGGCGGGATTGGGTGCGTTGTTAGTGCCGTATC CTCACGCGGTTGACGATCACCAAACCGCCAACGCGCGTTTTATGGTGCAGGCGGAGGCGG GATTGCTGTTGCCGCAAACCCAGTTGACGGCGGAAAAACTCGCCGAGATTCTCGGCGGCT TARACCGCGAAAAATGCCTCAAATGGGCAGAAAACGCCCGTACGTTGGCACTGCCGCACA GTGCGGACGACGTGGCGGAAGCCGCGATTGCGTGTGCGGCGTAAACTGCCGAACCATGCC AGAAAACTATGGCGCGCAAACGGTCAGCCCTTTAAAATAACGCCTTTACGCATCGAAAAT CCACCGGAACGCAACATTATGATGAAAAATCGAGTTACCAACATCCATTTTGTCGGTATC GGCGGCGTCGGCATGAGCGGCATCGCCGAAGTCTTGCACAATTTGGGCTTTAAAGTTTCC GGTTCGGATCAGGCGCGAAATGCCGCTACCGAGCATTTGGGCAGCCTGGGCATTCAAGTT TATCCCGGCCATACCGCCGAACACGTTAACGGTGCGGATGTCGTCGTTACCTCTACCGCC GTCAAAAAAGAAATCCCGAAGTTGTCGCTGCGTTGGAGCAGCAAATTCCCGTTATTCCG CGCGCCCTGATGTTGGCGGAGTTGATGCGCTTCCGTGACGGCATCGCCATTGCCGGCACG CACGGCAAAACCACGACCACCAGCCTGACCGCCTCCATCCTCGGCGCGGCAGGACTTGAC CCGACTTTCGTTATCGGCGGCAAACTCAACGCCGCAGGCACTAACGCCCGCTTGGGCAAA GGCGAATACATCGTTGCCGAAGCCGACGAGTCGGATGCATCCTTTCTGCACCTGACACCG ATTATGTCCGTCGTTACCAATATCGACGAAGACCATATGGATACCTACGGGCACAGCGTC GAAAAACTGCATCAGGCGTTTATCGATTTCATCCACCGTATGCCCTTCTACGGCAAAGCC TTTTTGTGTATTGACAGCGAACACGTCCGCGCGATTTTGCCCAAAGTGAGCAAACCTTAT GCTACTTACGGTTTGGACGATACCGCCGACATCTACGCCACCGACATCGAAAACGTCGGC GCGCAAATGAAATTCACCGTCCATGTTCAAATGAAAGGACATGAGCAGGGGTCGTTTGAA GTCGTGCTGAATATGCCCGGCAGACACAACGTGCTGAACGCATTGGCAGCCATCGGCGTG GCGCTGGAAGTCGGCGCATCGGTTGAAGCGATCCAAAAAGGCTTGCTCGGCTTTGAAGGC GTCGGCCGCCGCTTCCAAAAATACGGCGACATCAAGTTGCCAAACGGCGGGACCGCGCTC TTGGTGGACGACTACGGACACCACCCGTCGAAATGGCGGCGACCCTTGCCGCCGCACGC GGCGCGTATCTGGAAAAACGTTTGGTACTCGCCTTCCAGCCGCACCGCTATACCCGCACG CGCGATTTGTTTGAAGACTTTACCAAAGTCCTCAATACCGTTGACGCGCTGGTGCTGACC GAAGTTTATGCCGCCGGTGAAGAGCCGATTGCCGCCGCCGATTCCCGCGCTCTTGCCCGC GCCATCCGCGTGTTGGGCAAACTCGAGCCGATTTACTGCGAAAACGTTGCCGATCTGCCC GAAATGCTGTTGAACGTTTTGCAGGACGGCGACATCGTGTTGAATATGGGCGCGGGAAGC ATCAACCGCGTCCCCGCCGCGCTGCTGGCATTGTCGAAACAGATTTGAGGCACACCCGCC TGACAGACGGAACATCATATAAAGATCGTCTGAAACCGCAAATCAGGTTTCAGACGACCT CTGGCAACAAGCATAAAGCAATCAGGAAAGAACAAAAACAATGCAGAATTTTGGCAAAGT GGCCGTATTGATGGGCGGTTTTTCCAGCGAACGAGAAATCTCGCTGGACAGCGGCACCGC CATTTTGAATGCTTTAAAAAGCAAAGGCATAGACGCATACGCCTTCGATCCTAAAGAAAC CCCATTGTCTGAATTGAAGGCACAAGGTTTTCAGACGCATTCAACATCCTTCACGGTAC TTACGGCGAAGACGGGGCGGTTCAGGGTGCATTGGAACTGTTGGGCATTCCCTATACCGG CAGCGGTGTCGCCGCATCCGCCATCGGCATGGACAAATACCGCTGCAAACTGATTTGGCA GGCATTGGGATTGCCCGTTCCCGAGTTCGCCGTCCTGCACGACGACACTGATTTCGATGC CGTCGAAGAAAATTGGGCCTGCCGATGTTTGTGAAACCGGCGGCCGAAGGCAGCAGCGT AGGCGTGGTAAAAGTCAAAGGAAAAGGCCGTCTGAAAAGCGTTTACGAAGAATTGAAACA CCTTCAGGGCGAAATCATTGCCGAACGTTTTATCGGCGGCGGCGAATATTCCTGCCCCGT CCTGAACGGCAAAGGGCTGCCCGGCATACACATCATTCCCGCAACCGAGTTTTACGACTA CGAAGCCAAGTACAACCGCGACGACACCATTTATCAATGTCCTTCGGAAGATTTGACCGA AGCCGAAGAAAGCCTGATGCGCGAACTGGCGGTTCGCGGCGCGCAGGCAATCGGTGCGGA AGGCTGCGTGCGCGTCGATTTCCTCAAAGATACCGACGGCAAACTCTATCTGTTGGAAAT CAACACCCTGCCCGGTATGACGAGCCATAGTTTAGTACCGAAATCCGCTGCCGTTACGGG CGTGGGTTTTGCCGATTTATGTATTGAAATTTTGAAGACCGCACATGTGGGATAATGCCG CCGGGCTGGTTTGGTTTTACAATTCGAATCATCTGCCCGTCAAGCAGGTGTCGCTGAAGG GCAACCTGGTTTATTCCGATAAGAAGACATTGGGCAGTTTGGCGAAAGAATACATCCATG GGAATATTTTGAGGACGGACATCAATGGCGCACAGGAGGCCTACCGCCGGTATCCGTGGA TTGCGTCGGTCATGGTGCGCCGCCGTTTTCCCGACACGGTTGAGGTCGTCCTGACCGAGC GCAAGCCGGTCGCGCGTTGGGGCGACCATGCCTTGGTGGACGGCGAAGGCAATGTTTTTG **AAATGCTCCGCCGTTATGACGAATTTTCGACTGTTTTGGCAAAACAGGGTTTGGGCATCA** AAGAGATGACCTATACGGCACGTTCGGCGTGGATTGTCGTTTTGGACAACGGCATCACCG TCAGGCTCGGACGGGAAAACGAGATGAAACGCCTCCGGCTTTTTACCGAAGCGTGGCAGC **ATCTGTTGCGTAAAAATAAAAATCGGTTATCCTATGTGGATATGAGGTATAAGGACGGAT** TTTCAGTCCGCTATGCTTCCGACGGTTTACCCGAAAAAGAATCCGAAGAATAGTGGGAAC AGGTATCGGACAGATTACGGCCGTGCCGTCTGAAACGGTGCGACGCAAATTTCAATCAGT TTTAAGAGCAGACGAACAATGGAACAGCAGCAAAGATACATCAGCGTACTGGATATCGGT **ACGTCTAAAGTCCTCGCACTGATCGGGGAAGTTCAAGATGACGACAAAATCAACATCGTC**

GGTTTGGGGCAGGCTCCTTCACGGGGCTTGCGCGGGGCATGGTAACCAATATCGATGCC ACCGTCCAAGCCATCAGGCAGGCGGTCAATGATGCCGAGCTGATGCCGGATACCAAAATT ACTCACGTTACCACAGGTATCGCAGGCAACCACATCCGCAGTCTCAATTCGCAAGGTGTG AAGGCAATCAATATCCCGCCCGATCAAAAAATTCTCGATGCCGTGGTTCAAGACTACATT ATTGACACCCAACTTGGCGTGAGGGAGCCCATCGGTATGAGCGGTGTGCGTCTGGATACG CGGGTGCACATCATTACCGGTGCAAGTACGGCAGTGCAGAATGTCCAAAAATGTATCGAG CGGTGCGGTTTGAAAAGCGATCAGATCATGCTTCAGCCGTTGGCAAGCGGGCAGGCGGTG CTGACTGAAGATGAAAAAGACCTCGGCGTATGCGTCATCGACATTGGTGGCGGAACGACC AATCTGATTACCAAAGATTTGTCCAAATCGTTGAGAACACCTCTCGATGCCGCCGAGTAC ATTAAAATCCATTATGGCGTGGCATCATGCGATACGGAAGGCTTGGGTGAGATGATTGAA GTTCCGGGCGTGGGTGACCGGACATCGCGTCAGGTTTCCAGTAAGGTTCTGGCAGCAATC ATCAGTGCACGGATTCAGGAGATTTTTGGCGTAGTGCTGGGCGAGCTGCAAAAATCGGGT TTCCCCAAAGAAGTGCTGAATGCGGGTATCGTTCTGACCGGCGGTGTGTCCATGATGACC GGGATTGTGGAATTTGCCGAAAAAATCTTCGATTTGCCTGTACGCACCGGTGCACCCCAA GAAATGGGCGGTTTGTCCGACCGCGTCCGCACACCGCGTTTTTCTACCGCTATCGGGCTG CTTCATGCAGCATGCAAGCTGGAAGGAAACTTGCCGCAGCCGGAAAACGGTGCAGTGCAA GAGAGGGAAGGGGGGGGGGTTTGTTGGCAAGATTGAAACGGTGGATTGAAAACAGCTTC TGAACAGGTGGATTGCCGTTTGACAGGTGAGAAGTATTTTGCCAGCAGCAAGATACTTCT TATATAATGAATAATATTTATTTAAACCGTCCTCTGAATGGGGCGAGCAGGAGTTTTTG AATGGAATTTGTTTACGACGTGGCAGAATCGGCAGTCAGCCCTGCGGTGATTAAAGTAAT CGGCTTGGGCGGCGGTTGCAATGCAATCAATAACATGGTTGCCAACAATGTGCGCGG TGTGGAGTTTATCAGTGCCAATACGGATGCGCAGTCTCTGGCAAAAAACCATGCGGCGAA GAGAATCCAGTTGGGTACGAATCTGACACGCGGTTTGGGCGCGGGCGCGAATCCCGATAT CGGCCGTGCGGCAGCCCAGGAAGACCGGGAAGCCATTGAAGAAGCCATTCGCGGTGCGAA TATGCTGTTTATCACGACCGGTATGGGCGGCGGTACCGGTACCGGTTCCGCGCCGGTTGT TGCTGAGATTGCCAAGTCTTTGGGCATTCTGACCGTTGCCGTGGTTACCCGACCGTTCGC ATATGAAGGTAAGCGCGTCCATGTCGCACAGGCAGGGTTGGAACAGTTGAAAGAACACGT CGATTCGCTGATTATCATCCCGAACGACAAACTGATGACTGCATTGGGTGAAGACGTAAC GATGCGCGAAGCCTTCCGTGCCGCCGACAATGTATTGCGCGATGCGGTCGCAGGCATTTC CGAAGTGGTAACTTGCCCGAGCGAAATCATCAACCTCGACTTTGCCGACGTGAAAACCGT GATGAGCAACCGCGGTATCGCTATGATGGGTTCGGGTTATGCCCAAGGTATCGACCGTGC GCGTATGGCGACCGACCAGGCCATTTCCAGTCCGCTGCTGGACGATGTAACCTTGGACGG AGCGCGCGGTGTGCTGGTCAATATTACGACTGCTCCGGGTTGCTTGAAAATGTCCGAGTT GTCCGAAGTCATGAAAATCGTCAACCAAAGCGCGCATCCCGATTTGGAATGCAAATTCGG TGCGGCTGAAGACGAGACCATGAGCGAAGATGCCATCCGGATTACCATTATCGCTACCGG TCTGAAAGAAAAAGGCGCGGTCGATTTTGTTCCGGCAAGGGAGGTAGAAGCGGTTGCTCC GTCCAAACAGGAGCAAAGCCACAATGTCGAAGGTATGATCCGCACCAATCGCGGTATCCG CACGATGAACCTTACCGCTGCGGATTTCGACAATCAGTCCGTACTTGACGACTTTGAAAT CCCTGCGATTTTGCGTCGTCAACACAATTCAGACAAATAATGTGCTGTTTGCCCGTAAAC CTGCTGCCTCCCGAATCGGTTTGTCCGGTTTGGGAGGTATGTTTTTCAAGATGTTGCAAT TTCGTACGGTTTGCGGTCGGCGGATTCAGATTTTTCCACTTGATACAGACTTTCAGATAT GGACACTTCAAAACAAACACTGTTGGACGGGATTTTTAAGCTGAAGGCAAACGGTACGAC GGTGCGTACCGAGTTGATGGCGGGTTTGACAACTTTTTTGACGATGTGCTACATCGTTAT CTGTATCGCGTCTGCCATCGGCTGTTTTGTTATGGGTTTTTGTCGGCAACTATCCGATTGC ACTCGCACCGGGGATGGGGCTGAATGCCTATTTCACCTTTGCCGTCGTTAAGGGTATGGG CGTGCCTTGGCAGGTTGCGTTGGGTGCGGTGTTCATCTCCGGTCTGATTTTTATCCTGTT CAGCTTTTTTAAAGTCAGGGAAATGCTGGTCAACGCACTGCCTATGGGTTTGAAAATGTC GATTGCTGCCGGTATCGGTTTGTTTTTGGCACTGATTTCCCTGAAAGGCGCAGGCATTAT CGTTGCCAATCCGGCAACCTTGGTCGGTTTGGGCGATATTCATCAGCCGTCCGCGTTGTT GGCATTGTTCGGTTTTGCTATGGTGGTCGTATTGGGACATTTCCGCGTTCAAGGCGCAAT CGGCATCATCGGCGAAGTACCGAGCATTGCGCCGACTTTTATGCAGATGGATTTTGAAGG CCTGTTTACCGTCAGCATGGTCAGTGTGATTTTCGTCTTCTTCTTGGTCGATCTATTTGA CAGTACCGGAACGCTGGTCGGCATATCCCACCGTGCCGGGCTGCTGGTGGACGGTAAGCT GCCCCGCCTGAAACGCGCACTGCTTGCAGACTCTACCGCCATTGTGGCAGGTGCGGCTTT GGGTACTTCTTCCACCACGCCTTATGTGGAAAGCGCGGCGGGGGTATCGGCAGGCGGACG GATGCTCCGCAGTGCGAGGGATATTGATTGGGACGATATGACGGAAGCCGCACCTGCGTT CCTGACCATTGTTTCATGCCGTTTACTTATTCGATTGCAGACGGCATCGCTTTCGGCTT CATCAGTTATGCCGTGGTTAAACTTTTATGCCGCCGCACCAAAGACGTTCCGCCTATGGT TATTAAATTATAAAAATCAAATACATAATAAAATACATCGGATTGCTTAAAAATAATA CATTGTTTTTATGTATAAAATATTTTATAAGTTTTCAGGATTTTGATTATCAAAAATTTT TCTTGATTTCCTGACAATTTTATTGAAACAAATAATTCAAAATTAATCTAGTTTAATCAT GGAATTAAAATAAAATTAAAATTATGTAATGAGTCTCCTTAAAAATGTTTGACATTTT CAGTCTTGTGTTTTAGATTATCGAAAAATAAAACTACATAACACTACAAAGGAACATTAC TATGAAACCAATTCAGATGTTTTCCCCTTTTCTGAATAATCCCCTTGTTTTCTTGTC TGCGGTTTTGCCGCATAATTCCGAACGGTCTGCTGTTTTTCTTTGATTCGTTTTAAATAT CAATAAGATAATTTTTCCCATATATTTTTAATGATTGGATTGGGATGCCCGACGCGTCGG ATGGCTGTGTTTTGCCGTCCGAATGTGATGGAAGCCTGTCCATACTGAAAAAAAGTCTAT

AAAGGAGAAATATGATGAGTCAACACTCTGCCGGAGCACGTTTCCGCCAAGCCGTGAAAG AATCGAATCCGCTTGCCGTCGCCGGTTGCGTCAATGCTTATTTTGCACGATTGGCCACCC AAAGCGGTTTCAAAGCCATCTATCTGTCCGGCGGCGGCGTGGCAGCCTGTTCTTGCGGTA TCCCTGATTTGGGCATTACCACAATGGAAGATGTGCTGATCGACGCACGACGCATTACGG ACAACGTGGATACGCCTCTGCTGGTGGACATCGATGTGGGTTGGGGCGGTGCATTCAATA TTGCCCGTACCATTCGCAACTTTGAACGCGCCGGTGTTGCAGCGGTTCACATCGAAGATC AGGTAGCGCAAAAACGCTGCGGCCACCGTCCGAACAAAGCCATTGTATCTAAAGATGAAA TGGTCGACCGTATCAAAGCTGCCGTAGATGCGCGCGTTGATGAGAACTTCGTGATTATGG CGCGTACCGATGCGCTGGCGGTAGAAGGTTTGGATGCCGCTATCGAACGCGCCCAAGCTT GTGTCGAAGCCGGTGCGGACATGATTTTCCCTGAAGCCATGACCGATTTGAACATGTACC GCCAATTTGCAGATGCGGTGAAAGTGCCCGTGTTGGCGAACATTACCGAGTTTGGTTCCA CTCCGCTTTATACCCAAAGCGAGCTGGCTGAAAACGGCGTGTCGCTGGTGCTGTATCCGC TGTCATCGTTCCGTGCAGCAAGCAAAGCCGCTCTGAATGTTTACGAAGCGATTATGCGCG ATGGCACTCAGGCGGCGGTGGTGGACAGTATGCAAACCCGTGCCGAGCTGTACGAGCATC TGAACTATCATGCCTTCGAGCAAAAACTGGATAAATTGTTTCAAAAATGATTTACCGCTT TCAGACTGCCTTTCAACAAATCCGCATCGGTCGTCTGAAAACCCGAAACCCATAAAAACA Caaaggagaaataccatgactgaaactactcaaaccccgaccctcaaacctaaaaatcc GTTGCGCTTTCTGGCGTTGCGGCCGGTAATACCGCTTTGTGTACCGTTGGCCGTACCGGC **AACGATTTGAGCTATCGCGGTTACGACATTCTGGATTTGGCACAAAAATGCGAGTTTGAA** GAAGTCGCCCACCTGCTGATTCACGGCCATCTGCCCAACAAATTCGAGCTGGCCGCTTAT AAAACCAAGCTCAAATCCATGCGCGGCCTGCCTATCCGTGTGATTAAAGTTTTGGAAAGC CTGCCTGCACATACCCATCCGATGGACGTAATGCGTACCGGCGTATCCATGCTGGGCTGC GTTCATCCTGAACGTGAAAGCCATCCGGAAAGTGAAGCGCGCGACATCGCCGACAAACTG ATCGCCAGCCTCGGCAGCATCCTCTTGTACTGGTATCAATATTCGCACAACGGCAAACGC ATTGAGGTTGAAAGCGACGAAGAGACCATCGGCGGTCATTTCCTGCAACTGTTGCACGGC AAACGCCCAAGCGAATCACACATCAAAGCCATGCACGTTTCACTGATTCTGTATGCCGAA CACGAGTTCAACGCTTCTACCTTTACCGCCCGCGTGATCGCCGGTACAGGCTCTGATATG TACTCCAGCATTACCGGAGCAATCGGCGCGTTGAAAGGTCCGAAACACGGCGGCGCGAAC GAAGTGGCTTACGATATTCAAAAACGCTACCGCAATGCCGACGAAGCTGAAGCCGACATC CGCGAACGCATCGGCCGCAAAGAAATCGTGATCGGTTTCGGTCATCCGGTGTACACCATT TCCGACCCTCGCAACGTTGTCATTAAAGAAGTGGCACGCGGTTTGAGCAAAGAAACCGGC GATATGCGCCTCTTTGACATTGCCGAACGTTTGGAAAGCGTGATGTGGGAAGAGAAAAAA ATGTTCCCGAATCTGGACTGGTTCTCTGCCGTTTCCTACCAAAAATTGGGCGTACCGACC GCTATGTTCACACCGCTGTTCGTAATTTCCCGTACAACCGGTTGGAGCGCACACGTTCTT GAGCAACGCAAAGACGGCAAAATCATCCGTCCGAGCGCAAACTACACAGGCCCTGAAGAT TTGGCGTTTGTGGAGATTGAAGAACGATAATTGAAGAATGCAATAGCAGTTTGTTCTTTA ATTTCGGTATGCAAAGCTAAGGATTTCAGACGACCTTGCCTTATTGGAAAGGTTGTCTGA AATAAGTTTAATCTAATAGGAGAAGATAATCCTGTATTGGCGCAAGTAACAGGATAAGAA TCGATGCGATTGCGGGGGGGGGGTGGTTTGATTACGCTGCCCGCACTCTTGTTGGCAGGTA TTCCTCCCGTGTCGGCAATTGCCACCAACAAGCTGCAAGCAGCCGCTGCTACGTTTTCAG CTACGGTTTCTTTTGCACGCAAAGGTTTGATTGATTGGAAGAAAGGTCTCCCGATTGCCG CAGCATCGTTTGTAGGCGGCGTGGCCGGTGCATTATCGGTCAGCTTGGTTTCCAAAGATA TTCTGCTGGCGGTCGTGCCGGTTTTGTTGATATTTGTCGCACTGTATTTTGTGTTTTCGC CCAAGCTCGACGGCAGTAAGGAAGGCAAAGCCAGAATGTCTTTTTTTCTGTTCGGGCTGA CGGTCGCACCGCTTTTGGGTTTTTACGACGGTGTGTTCGGACCGGGTGTCGGCTCGTTTT TTCTGATTGCCTTTATTGTTTTGCTCGGCTGCAAGCTGTTGAACGCGATGTCTTACACCA AATTGGCGAACGTTGCCTGCAATCTTGGTTCGCTATCGGTATTCCTGCTGCACGGTTCGA TTATTTTCCCGATTGCGGCAACGATGGCGGTCGGTGCGTTTGTCGGTGCGAATTTAGGTG CGAGATTTGCCGTCCGCTTCGGTTCGAAGCTGATTAAGCCGCTGCTGATTGTCATCAGCA TTTCGATGGCTGTGAAATTGTTGATAGACGAGAGAAATCCGCTGTATCAGATGATTGTTT CGATGTTTTAAACCCTTTCAGACGACCCCTTCAAAACGTCGGCTGAAACCTCAAACCACA GCCCGGTACGGATTTGGAATACTACGACGCGCGTGCGGCGTGTGAGGACATCAAGCCCGG CTCTTACGACAAGCTGCCTTACACGAGCCGCATTTTGGCCGGAGAATTTGGTCAACCGCGC GGACAAAGTCGATTTGCCGACGCTGCAAAGCTGGCTGGGGCAGTTGATAGAAGGGAAGCA GGAAATCGACTTTCCGTGGTATCCGGCGCGGGTGGTGTGCCACGATATTCTGGGGCAGAC CGCGTTGGTGGATTTGGCAGGCCTGCGCGATGCGATTGCCGAAAAAGGCGGCGATCCTGC CAAAGTGAATCCGGTGGTGCAAACCCAGCTCATCGTCGACCACTCTCTGGCGGTGGAGTG CGGCGGTTACGATCCTGATGCCTTCCGCAAAAACCGCGAAATCGAAGACCGCCGTAACGA AGACCGTTTCCACTTCATCAACTGGACAAAAACCGCGTTTGAAAATGTGGACGTGATTCC GGCGGGCAACGGCATCATGCACCAAATCAATCTAGAAAAAATGTCGCCCGTCGTCCAAGT CAAAAACGGCGTGGCTTTCCCCGATACCTGCGTCGGTACTGACTCACATACGCCGCACGT CGATTCATTGGGCGTGATTTCCGTGGGCGTGGGCGGATTGGAAGCGGAAACCGTAATGCT GGGACGCGCGTCCATGATGCGCCTGCCCGATATTGTCGGCGTTGAGCTGAACGGCAAACG GCAGGCGGCATTACGGCGACGGATATTGTGTTGGCACTGACCGAGTTTCTGCGCAAAGA ACGCGTGGTCGGGGCGTTTGTCGAATTCTTCGGCGAGGGCGCGAGAAGCCTGTCTATCGG CGACCGCGCGACCATTTCCAACATGACGCCGGAGTTCGGCGCGACTGCCGCGATGTTCGC TATTGATGAGCAAACCATTGATTATTTGAAACTGACCGGACGCGACGACGCGCAGGTGAA ATTGGTGGAAACCTACGCCAAAACCGCAGGCTTGTGGGCAGATGCCTTGAAAACCGCCGT TTATCCTCGCGTTTTGAAATTTGATTTGAGCAGCGTAACGCGCAATATGGCAGGCCCAAG TAACCCGCATGCCCGTTTTGCGACCGCCGATTTGGCGGCGAAAGGGCTGGCGAAGCCTTA CGAAGAGCCTTCGGACGGCCAAATGCCCGACGGCTCGGTCATCATCGCCGCGATTACCAG .TTGCACCAACACTTCCAACCGCGCAACGTTGTTGCCGCCGCGCTCTTGGCACGCAATGC CAACCGTCTCGGCTTGAAACGCAAACCTTGGGTGAAATCTTCGTTTGCCCCGGGTTCAAA

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AGTAGCCGAAATCTATTTGAAAGAAGCGGGCCTGTTGCCCGAAATGGAAAAACTCGGCTT CGGTATCGTCGCCTTCGCCTGCACCACCGCATGAGTGGCGCGCTGGATCCGAA AATCCAGAAAGAAATCATCGACCGCGATTTGTACGCCACCGCCGTATTATCAGGCAACCG CAACTTCGACGGCCGTATCCACCCGTATGCGAAACAGGCTTTCCTCGCTTCGCCTCCGTT GGTCGTTGCCTACGCGCTGGCAGGCAGTATCCGTTTCGATATTGAAAACGACGTACTCGG CGTTGCAGACGGCAAGGAAATCCGCCTGAAAGACATTTGGCCTGCCGATGAAGAAATCGA CGACACCGGCACAGCGCAAAAAGCACCCAGTCCGCTGTACGATTGGCGTCCGATGTCCAC CTACATCCGCCGTCCGCCTTACTGGGAAGGCGCGCTGGCAGGGGAACGCACATTAAGAGG TATGCGTCCGCTGGCGATTTTGCCCGACAACATCACCACCGACCACCTCTCGCCGTCCAA TGCGATTTTGGCCGTCAGTGCCGCAGGCGAGTATTTGGCGAAAATGGGTTTGCCTGAAGA AGACTTCAACTCTTACGCAACCCACCGCGGCGACCACTTGACCGCCCAACGCGCTACCTT CGCCAATCCGAAACTGTTTAACGAAATGGTGAAAAACGAAGACGGCAGCGTGCGCCAAGG CTCGTTCGCCCGCGTCGAACCCGAAGGCGAAACCATGCGCATGTGGGAAGCCATCGAAAC CTATATGAACCGCAAACAGCCGCTCATCATCATTGCCGGTGCGGACTATGGTCAAGGCTC AAGCCGCGACTGGGCTGCAAAAGGCGTACGCCTCGCCGGCGTAGAAGCGATTGTTGCCGA AGGCTTCGAGCGTATCCACCGCACCAACCTTATCGGCATGGGCGTGTTGCCGCTGCAGTT CAAACCCGACACCAACCGCCATACCCTGCAACTGGACGGTACGGAAACCTACGACGTGGT CGGCGAACGCACACCGCGCTGCGACCTGACCCTCGTGATTCACCGTAAAAACGGCGAAAC CGTTGAAGTTCCCGTTACCTGCTGCCTCGATACTGCAGAAGAAGTATTGGTATATGAAGC CGGCGGCGTGTTGCAACGGTTTGCACAGGATTTTTTGGAAGGGAACGCGGCTTAGAGGTC GTCTGAAAAGCAAGACGTAGCGTGGGTCGGGTTCAACATTTTGCTCATTCACGTAATTCT CGATATGGCAGGCATCTACTGTAAATCGTCATTCCCGCGCAGGCGGGAATCCAGAAAGTG GAATTGAGGAAACCTTATTTATCCGATGAGTTTCTGTGCGGACAAATTTGGATTCCCGCC TGCGCGGGAATGACGGGGTTTAATAATCTGCCGTATCACAACACAGTAGCCGTAGATTGT GGCGAACCCCGACAGTTTGCGGAATCAAACGGCTTTGTCGGAGTGGCAGCCTAATGTACT TCTGGAAAGTGGGTGTAGCGTGGGCTTTGCCCGCGAAATAAAGGCTGAATTGACATGGTA TAGAGGATTAACAAAAATCGGGACAAGGCGGCGAAGCCGCAGACAGTACAGATAGTACGG AACCGATTCACTTGGTGCTTGAGCACCTTAGAGAATCGTTCTCTTTTGAGCTAAGGCGAGG CAACGCTGTACTGGTTTTTGTTAATCCACTATAAATTTAATCCACTATACTGTAAATCGT CATTCCCGCGCAGGCGGGAATCCAGAAAGTGGAATTGAGGAAACCTTTTTATCCGATGAG TTTCTGTGCGGATAAATCTGGATTCCCGCCTGCGCGGGAATGACGGGGTTTAATAATCTG CCGTATCACAACACAGTAGCCGTAGATTGGGGCGAACCCCGACAGTTTGCGGAATCAAAC GGCTTTGGTCGGAGTGGCAGCCTAATCCACTATAAAAATCGTGGGCAGAGCCCACGCTAC ATAAGGAGAATCTAGAAATGCCGCAAATTAAAATTCCCGCCGTTTACTACCGTGGCGGTA GCGCACGCGACAAAATCCTCTTGCGCGTACTCGGCAGCCCGGATCCCTACGGCAAGCAGA TAGACGGTTTGGGCAACGCCAGCTCGTCCACCAGCAAGGCGGTGATTTTGGACAAGTCCG AACGCGCCGATCACGATGTCGATTACCTTTTCGGGCAAGTTTCCATCGACAAACCTTTTG TCGATTGGAGCGGCAACTGCGGCAACCTCACCGCTGCCGTGGGCGCATTCTCCATCGAAC AGGGCTTGGTCGATAAAGGCAAGATTCCTTCAGACGGCATCTGCACGGTCAAAATCTGGC **AGAAAAACATCGGCAAAACCATTATTGCCCATGTACCGATGCAAAACGGCGCAGTTTTGG** AAACAGGCGATTTTGAGCTCGACGGCGTAACGTTCCCGGCAGCCGAAGTACAAATCGAAT TTCTTGATCCAGCCGACGCGAAGGCAGTATGTTCCCAACCGGCAATTTGGTCGATGAAA TTGATGTGCCGAATATAGGCCGTTTGAAAGCCACGCTCATCAACGCGGGCATTCCGACCG TTTTCTTGAATGCCGCCGACTTGGGCTACACAGGCAAAGAGTTGCAAGACGACATCAACA ACGATGCCGCGCTTTGGAAAAATTCGAGAAAATCCGCGCTTACGGTGCGCTGAAAATGG GTCTGATCAGCGACGTATCCGAAGCTGCCGCTCGCGCGCACACGCCGAAAGTCGCCTTCG TCGCGCCCGCCGATTACACCGCCTCCAGTGGCAAAACCGTGAACGCCGCCGACATCG ATTTGCTGGTACGCGCCTGAGCATGGGCAAACTGCACCACGCGATGATGGGTACCGCCT CTGTTGCCATTGCGACCGCCGCCGCCGTACCCGGTACGCTGGTCAACCTTGCCGCAGGCG GCGGAACGCGTAAAGAAGTGCGCTTCGGGCATCCTTCCGGCACATTGCGCGTCGGTGCAG CCGCCGAATGTCAGGACGGACAATGGACGGCCACCAAAGCGGTCATGAGCCGTAGCGCAC GCGTGATGATGGAAGGTTGGGTCAGGGTGCCTGAGGATTGTTTTTAAATTGACGTAGCAT GGGTTTGCCCGCGAGCCATAAAAAGGTCGTCTGAAAAACAAGTAAACATCAAATCACTGA CCATTCCTTTCCCTTGCCCTGTGGCGGAAGGCGGCAAATCACAAGGAAGAACACGGAAAC CCCGATAAAAGACAGCTTCCCGTATTACCGTCATTCCCGCGCAGGCGGGAATCCAGACCT GTCAATATGGAGGATTGGCAGGGGAAAACAGGTTTCGTGAGTTCTACATTCTGGATTCCC GCCACAGCCTGTCCTCGCGTAGGCGGGGACGGAATAACGATAGAAAATGCGGCATACGCT TTGCCCAAAGAGGCCGTCTGAAACACCTTGCGCCTGATGTCTGCCTTTTTCAGACGACCC CACACCAAAAAAACCACCACAAACTACAAGGAGAAACATCATGTCCGACCAACTCATCCT CGTTCTGAACTGCGGCAGTTCATCGCTCAAAGGCGCCGTTATCGACCGAAAAAGCGGCAG CGTCGTCCTAAGCTGCCTCGGCGAACGCCTGACCACGCCCGAAGCCGTCATTACGTTCAA CAAAGACGGCAACAAACGCCAAGTTCCCCTGAGCGGCCGAAATTGCCACGCCGGCGCGCGT GGGTATGCTTTTGAACGAACTGGAAAAACACGGTCTGCACGACCGCATCAAAGCCATCGG CCACCGCATCGCCCACGGCGAAAAATACAGCGAGTCTGTTTTGATCGACCAGGCCGT AATGGACGAACTCAATGCCTGCATTCCGCTTGCGCCGCTGCACAACCCCGCCAACATCAG CGGCATCCTTGCCGCACAGGAACATTTCCCCGGTCTGCCCAATGTCGGCGTGATGGATAC TTCGTTCCACCAAACCATGCCGGAGCGTGCCTACACTTATGCCGTGCCGCGAGTTGCG TAAAAAATACGCTTTCCGCCGCTACGGTTTCCACGGCACCAGTATGCGTTACGTTGCCCC TGAAGCCGCACGCATCTTGGGCAAACCTCTGGAAGACATCCGCATGATTATTGCCCACTT AGGCAACGGCGCATCCATTACCGCCATCAAAAACGGCAAATCCGTCGATACCAGTATGGG TTTCACGCCGATCGAAGGTTTGGTAATGGGTACACGTTGCGGCGACATCGATCCGGGCGT ATACAGCTATCTGACTTCCCACGCCGGGATGGATGTTGCCCAAGTGGATGAAATGCTGAA CAAAAAATCAGGTTTGCTCGGTATTTCCGAACTTTCCAACGACTGCCGCACCCTCGAAAT

CGCCGCCGACGAAGGCCACGAAGGCGCGCGCCCTCGCCCTCGAAGTCATGACCTACCGCCT CGCCAAATACATCGCTTCGATGGCTGTGGGCTGCGGCGTTGACGCACTCGTGTTCAC CGGCGGTATCGGCGAAAACTCGCGTAATATCCGTGCCAAAACCGTTTCCTATCTTGATTT CTTGGGTCTGCACATCGACACCAAAGCCAATATGGAAAAACGCTACGGCAATTCGGGCAT TATCAGCCCGACCGATTCTTCTCCGGCTGTTTTGGTTGTCCCGACCAATGAAGAACTGAT CATTGCCTGCGACACTGCCGAACTTGCCGGCATCTTGTAGCCAAAAAAAGGGACGAGTCCG CAAAAATGCCGTCTGAAACCCCAAACGCCCGATTAGGCTGATGAGGATTTTAGACGGCAT TGTTCATTTTTTTGTTATCTTGCATTTTTGTGCGGACGGTGGAATTTCATCCTGTAAACA TAAATATTTGTCGGAAAACAGAAACCCTCCGCCGCCATTTCTACGAAAGCAGGAAACCAG CTGCGCGGGAATGACGGGATTTTCTGTTTTTTGTGGAAATGACGGGATTTTGAATTTCGGG CGTACAATACGGAAAACATGACGATAAGGAAACAAACCATGGCACAGTTTTTCGCTATTC ATCCCGACAATCCCCAAGAACGCCTCATCAAGCAGGCGGTTGAAATCGTCAATAAAGGCG GCGTGGTCGTTTATCCGACCGATTCCTGTTATGCCTTGGGCTGCAAACTCGGCGATAAGG CGGCGATGGAACGCATACTCTCCATCCGCAAAATCGATTTGAAACACCACCTGACCCTGA TGTGCGCAGATTTGAGCGAGTTGGGCACATACGCCAAAGTCGACAACGTACAGTTTCGTC AGCTTAAAGCCGCCACACCCGGGCCTTATACTTTTATTTTACAGGCGACGAAGGATGTGC CGGCGCGCACGCTGCACCCGAAACGCAAAACCATCGGGCTGCGTATTCCCGATAATGCCA TTGCACAAGCCCTGCTGGGGGAATTGGGCGAGCCGCTTTTAAGCTGCACCCTGATGCTGC CCGAAGACGGCGAACCATTGACCGATCCTTATGAAATCCGCGAGCGTTTGGAACACGCCG TCGATTTGGTGATTGACGGCGGCTGGTGCGGAACCGAGCCGACCACCGTCGTCGATATGA CCGACGGCACGGAATTGGTGCGCCAAGGTTGCGGCGATACGGCGGTGTTCGGTTTGTAGG GARACCGATGCCGTCTGAAGCATCGGCTGTTCAGACGGCATTGCGGCGCCTTGCCGGCGGC AGTCCGAAATGCCGGCGCGTATCGCGCTCGGTCGGAATATCCGTTTGAAACGGCATTTTG ATGCATTACTGCACCGCAATCGGAATTCTCGGTTCGTAGAGCAGGTCGTAGGTCGGCTTG TTGAGCAGGTCTTGGAGCGTGAAACCGTCCAGATACGTGAAAAACGACTTCATCGCGCCG CCGAGTATGCCCGTCAGCCGGCAGGACGGTGTAATCAGGCATTCGTTGTTCTCGCCCATG CACTCGACCAGCTGCATCGGTTCGAGGTGGCGGACAACCGAGCCGATGTTGATGCGGTCG GGCGGTGCGGCAAGCCGCAGACCGCCCTTTTCCGCGCACACTGTGGAGGAAGCCGCCT TTGACCAGCGCGGTAACGACCTTCATCAGATGGCTTTTGGAAATGCCGTAGGTTACGGCG ATGGTACTGATGTTGACCAGCGCATCGTCGTTGATGGCAGTGTAGATAAGGACGCGCAGC CCGTAGTCCGTATGTTGTGTCAAATACATGATTTTCTCGGTATGGATTGTTATTCTTATC GGTACGGTTTAAGGTTCACGGACAATACCTTAATGGTTGAAACCCTGTCCGTCGGGGGCGG TAGAATGCAGCCTGTCTGCGGCGGTATGCCGTCTGAAACATCCGCGCTACCGTTTGAGAA TTTGTTATTGTAACTCAAAATCATGAAACCGTTGAAACGACATCCCGCCCTTATCGGGCT TTCGCGTGACCACCATTCGCTTTCCCTGTGCGTGCGTCTGTTGCGGACGCCGGAAGA AAGGCATCGGGACGAACTCGAACCGCATTTTTCCGAATTGGAAACCCATTTTCGCGAAGA AGAAACCAAGTTTGCCCCAATTTGGCAGAATGTCGCCCCCGAATTGAAACAACGTTTCGA GAAAGACCACGCCCGACTGCGGCAGATGATGGCAAGCCCCGAATACGGTAACGCGGCGTG GAATACCGCTTTTGCCACAACCCTGCGCGACCACGCGCGCTTTGAAGAACGCGAGCTGTT TCCCGCCGCCGAACCGTTTTTGCCGGCATGATTCCGTTTTGCGGTAAATATATTAATGAT AAACAAGGAACACACATGAAATTTACCAAGCACCCCGTCTGGGCAATGGCGTTCCGCCCA TTTTATTCGCTGGCGGCTCTGTACGCCGCATTGTCCGTATTGCTGTGGGGTTTCGGCTAC ACGGGAACGCACGAGCTGTCCGGTTTCTATTGGCACGCGCATGAGATGATTTGGGGTTAT GCCGGACTGGTCGTCATCGCCTTCCTGCTGACCGCCGTCGCCACTTGGACGGGCAGCCG GCCTTTATCCCGGGTTGGGGTGCGTCGGCAAGCGGCATACTCGGTACGCTGTTTTTCTGG TACGGCGCGGTGTGCATGGCTTTGCCCGTTATCCGTTCGCAGAATCAACGCAACTATGTT GCCGTGTTCGCGCTGTTCGTCTTGGGCGGCACGCATGCGGCGTTCCACGTCCAGCTGCAC AACGGCAACCTAGGCGGACTCTTGAGCGGATTGCAGTCGGGCTTGGTGATGGTGTCGGGT TTTATCGGTCTGATTGGTACGCGGATTATTTCGTTTTTTACGTCCAAACGCTTGAATGTG CCGCAGATTCCCAGTCCGAAATGGGTGGCGCAGGCTTCGCTGTGGCTGCCCATGCTGACT GCCATGCTGATGGCGCACGGTGTGTTGGCTTGGCTGTCTGCCGTTTTTGCCTTTGCGGCA GGTGTGATTTTTACCGTGCAGGTGTACCGCTGGTGGTATAAACCCGTGTTGAAAGAGCCG ATGCTGTGGATTCTGTTTGCCGGCTATCTGTTTACCGGATTGGGGCTGATTGCGGTCGGC GCGTCTTATTTCAAACCCGCTTTCCTCAATCTGGGTGTGCATCTGATCGGGGTCGGCGGT ATCGGCGTGCTGACTTTGGGCATGATGGCGCGTACCGCGCTTGGTCATACGGGCAATCCG ATTTATCCGCCGCCCAAAGCCGTTCCCGTTGCGTTTTGGCTGATGATGGCGGCAACCGCC GTCCGTATGGTTGCCGTATTTTCTTCCGGCACTGCCTACACGCACAGCATCCGCACCTCT TCGGTTTTGTTTGCACTCGCGCTTTTGGTGTATGCGTGGAAGTATATTCCTTGGCTGATT CGTCCGCGTTCGGACGGCAGGCCCGGTTGAGACAAACCGCCGCAGATTTCGGGTCTGGGC TTGGCTTCTTCAAAATAGCGGTACAGGGCTTCGCGGTCGTCGGTGGTCAGGATGTTTGCC AAAACGTCCAACTGTTTGCCCAAGCCTTGAACCAGTTGCAGCAGGCTGTCTTTGTTGGCA AGGCAGATGTCCGCCCACACGGCGGGATGACCGGAGGCGATGCGGGTGAAGTCCCGAAAG CCCGTGGCGGCGAATTTCAGATATTCCTGTCCGTCGGGGTGGTCGAGAATCTGGTGGACA TAGGCGAAGGCGGTCAGGTGGGGCATATGGGAGACGGCGGCGAAAACCGCGTCGTGGCGT TGCGCGTCCATCGTATAAATTTCCGCACCGACCGCGTGCCACAGGTTTTCTACCAAGGCA ATGCCGTCTGAATGTTCGCCGCCGTGTGGCGTGATGATGAGTTTTCTGTGGCGGAACAGC CAGTGGTGCAGGCGGTCGGGCAGACAGCGGCGGAAGGCTTCGATGACCGAAGATTTGGTG CTGCCGACATCGGAAATCCAAGTGTGTTCCGGCAAAACGGGGCGCAGCGCGGTCAAAATG GCGGGAACGGTGGCGACGGGCGTGGCAATCAGTACCAAGTCCGCACCGCCGATGCTGTCC GCGTCGATGGCAACGGAAGCCTGGTCAATCACGCCGCGTTCCAATGCACGTTCGAGGTTG TCGCGGTCGGTGTCGATACCGGTAACGGTGCGGACGAGTCCCTGCCTTTTGAGGTCGAGA

ACGAACGAACCGCCGATCAGCCCTACACCGATGAGGGCAATATGGTTCAAAATGGGCATT TGTGTAAACGGTTTTCGCAAAGTACCGTCATGGTAGCCTATCGGCGGAATATGCCGCAAG GTCGGCAGGAAAAAGGAGAAGAAATGGACAAAATCAGAGTTGCCGCCGTGCAGATGGTGT CGGGCGTGTCGCCGGAAACCAACGTCGCCGCCATGAAACGCCTGGTCGCACGGGCGGCGG AGCAGGGTGCGGATTGGGTGCTGCTGCCCGAATATTGGGTGCTGATGGGCGCAAACGATA CCGACAAACTCGCGCTTGCCGAGCCTTTGGGCGGCGGACGCTTTCAGACGCCATTGAGCG AAACGGCGAAAGAATGCGGCGTGGTGCTGTTCGGCGGGACTGTGCCGCTGCAAAGCTGCG TGTACCACAAAATGCACCTCTTCGGTTTTTCCGGTTTGGGCGAACGCTATGCCGAAGCCG ATACCATCCGCGCGGGGGGGTGTGCCGCACTTGTCGGCAGAAGGCGTGCCGGTGGCGG CGGGCATTTGTTACGATGTCCGCTTTCCCGAATTTTTCCGACGCCAGTTGCCGTTTGACG TATTGATGCTGCCCGCTTTACGCACACGACGGGCAAGGCGCATTGGGAGCTGCTGC TGCGCGCGCGTGCCGTCGAAAACCAATGTTACGTCGTGGCGGCGCGCACAGGGCGGTTTGC ACGAAAACGGACGCGCACGTTCGGACACAGCATGATTGTCGATCCGTGGGGCGACGTGT TGGACGTATTGCCCGAGGGCGAAGGCGTTGTTACGGCAGACATCGATGCCAACCGCCTGA ACAGCGTCCGCAACCGCCTGCCCGCCTTGAAATACCGGGTTTTGGATGCCGTCTGAAGGT TCAGACGGCATCGGTGCCGGGGAATCAGAAGCGGTAGCGCATGCCCAATGAGACTTCGTG GGTTTTGAAGCGGGTGTTTTCCAAGCGTCCCCAGTTGTGGTAACGGTATCCGGTGTCCAA GGTCAGCTTGGGCGTGATGTCGAAACCGACACCGGCGATGACACCAAGACCCACGCTGCT GATGCTGTGGCTTTCGTGATAGGGGGGTTTGCTGGGATCAGTTTGTATAATAGGGCCTCC CTGTGGAGAGCCGTTCTTTGGTTTAGAGGTAATAGTCGTGGTTTTTGTTTCCACCGAATG GTTGAGTTTGAAATCGTAAATGGCGGACAAGCCGAGAGAAAACGGCGTGGAAGCTGCC GTTTCCCTGATGTTTTGTTTGGGTTTCTTTGTAGTTGTTTATCTCTTCAGTAACTTT TTTAGTAGAAGAATTACTTTCTTTCCATTTTCTGTAACTGGCATAATCTGCCGCTATTCT GGTAATGCGTTCGGCGGCATAAGCTAAATCCGCCTGCACATAATACGGGCTGCGCCTGCC GAAGAGAAGAGAAGAGAAGGTTTTTTGGGGGCTGGATTCATTTTCGACTCCGTATTCGGT TTTAACTGATTAAAAAGAAAGATTTTCACTGATGTTGCAGGGGTGGATTGTATCGGGTTT GGGGCGATGTTTCAACACAATATAGCGGATGAACAAAAAAGAGAACGATGCTCTAAGGTG CCCAAGCACCAAGTGAATCGGTTCCGTACTATAGTGGATTAACAAAAACCAGTACAGCGT TGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCGAGTGAATCGG TTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCGC TATAAAGACCGTCGGGCATCTGCAGCCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTA GAACAACAGCAATATTCAAAGATTATCTGAAAGTCTGAGATTCTAGATTCCCACGAAAGT GGGAATCCAGGATGTAAAATCTCAAGAAACCGTTTTATCCGATAAGTTCCTGCACTGACA GACCTAGATTCCCGCCTGCGCGGGAATGACGGGATTTTAGGTTTCTGATTTTGGTTTTCT GTCCTTGTGGGAATGACGGGATGTAGGTTCGTAGGAATGACGTGGTGCAGGTTTCCGTGC GGATGGATTCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAGAACAACAGCAATATTC AAAGATTGGCGGATTCGCATTTGAAGTGCAACTTTCCCTAACAGAAAAAGGCCAGTATGC GGTAGCATACGGCCTTTCCTGCAAGAAAGATTGCCATGAGCTACACGCAACTGACCCAAG GCGAACGATACCACATCCAATACCTGTCCCGCCACTGCACCGTCACCGAAATCGCCAAAC AGCTGAACCGCCACAAAAGCACCATCAGCCGCGAAATCAGACGGCACCGCACCCAAGGGC AGCAATACAGCGCCGAAAAAGCCCAGCGGCAAAGCCAGACTATCAAACAGCGTAAGCGAC AACCCTATAAGCTCGATTCGCAGCTGATTCAGCACATCGACCCCCTTATCCGCCGCAAAC TCAGTCCCGAACAAGTATGCGCCTACCTGCGCAAACACCACCAGATCACGCTCCACCACA GCACCATTTACCGCTACCTTCGCCAAGACAAAAGCAACGGCAGCACGTTGTGGCAACATC TCAGAATATGCAGCAAACCCTACCGCAAACGCTACGGCAGCACATGGACCAGAGGCAAAG TACCCAACCGTGTCGGCATAGAAAACCGACCCGCTATCGTCGACCAGAAATCCCGTATCG GCGATTGGGAAGCCGACACCATTGTCGGCAAAGGACAGAAAAGCGCATTATTGACCTTGG TCGAACGCGTTACCCGCTACACCATCATCTGCAAATTGGATAGCCTCAAAGCCGAAGACA CTGCCCGGGCAGCTGTTAGGGCATTAAAGGCACATAAAGACAGGGTGCACACCATTACCA TGGATAACGGCAAAGAGTTCTACCAACACACCAAAATAACCAAAGCATTGAAAGCGGAGA CTTATTTTTGTCGTCCTTACCATTCTTGGGAGAAAGGGCTGAATGAGAACACCAACGGAC TCATCCGGCAATACTTCCCCAAACAAACCGATTTCCGTAACATCAGTGATCGGGAGATAC GCAGGGTTCAAGATGAGTTGAACCACCGACCAAGAAAAACACTTGGCTACGAAACGCCAA GTGTTTTATTCTTGAATCTGTTCCAACCACTAATACACTAGTGTTGCACTTGAAATCCGA ATCCAAGATTATCTGAAAGTCTGAGATTCTAGATTCCCACTTTCGTGGGAATGACGGGAT TTTAGGTTTCTGATTTTGGTTTTCTGTCCTTGTGGGAATGACGGGATGTAGGTTCGTAGG AATGACGTGGTGCAGGTTTCCGTGCGGATGGATTCGTCATTCCCGCGCAGGCGGGAATTT GGAATTTCAATGCCTCAAGAATTTATCGGAAAAAACCAAAACCCTTCCGCCGTCATTCCC ACGAAAGTGGGAATCTAGAAATGAAAAGCAGCAGCATTTATCGGAAATGACCGAAACTG AACGGACTGGATTCCCGCTTTTGCGGGAATGACGGCGACAGGGTTGCTGTTATAGTGGAT GAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTG CTGAAGCACCAAGTGAATCGGTTCTGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTG GTTTTACCAAATCCTTGCCCTGATTATCTGGAGCAGCTCGTTTATTGCCGCCAAATATGT CTATGGCGGCATCGATCCCGCATTGATGGTCGGCGTGCGCCTGCTAATTGCCGCGCTGCC TGCACTGCCCGCCTGCCGCCGTCATGTCGGCAAGATTCCGCGTGAGGAATGGAAGCCGTT GCTGATTGTCGTCGTCAACTATGTGCTGACCCTGCTGCTTCAGTTTGTCGGGTTGAA ATACACTTCCGCCGCCAGCGCATCGGTCATTGTCGGACTCGAGCCGCTGCTGATGGTGTT

CTGGTTCGGCTGCCTGCTGGTGTTGTTGGCGGGCGCGGGCTTTTGTGCCGCTATGCGTCC GACGCAAAGGCTGATTGCACGCATCGGCGCACCGGCATTCACATCTGTTTCCATTGCCGC CGCATCGTTGATGTGCCTGCCGTTTTCGCTTGCTTTGGCGCAAAGTTATACCGTGGACTG GAGCGTCGGGATGGTATTGTCGCTGCTGTATTTGGGTTTGGGGTGCGGCTGGTACGCCTA TTGGCTGTGGAACAAGGGGATGAGCCGTGTTCCTGCCAATGTTTCGGGACTGTTGATTTC GCTCGAACCCGTCGTCGCCGCTGCTGCTGGCGGTTTTGATTTTGGGCGAACACCTGTCGCC GCATCAAAATAAAGTTGGGAAGCGGTATTTGATGATTGCCGAATAGGCTGAAATCTTTC CATCTCCATTCCTGCGAAAGCGGGTATCCGGAACGAAAAGACGGATATTTATCCGAAATA ACGACCATCTTTGCGTCGTCATTCCCGCGCAGGCGGGCATCCGGTTTTTTGAGTTTCGGT TATTTCCGACAAATTGCTGCAGCGTTGGATGTCCGGATTTCCGCCTGCGCGGGAATGACG GGATTTTATAGTGGATTAACAAAAATCAGGACAAGGCGGCGAGCCGCAGACAGTACAGAT AGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAA GGCAAGGCAACGCTGTACTGGTTTTTGTTAATCCACTATATCGTTCCGGTTCGTCCGGTT TTGCCGGGGCTTTTGTTGCCGCCTGTTTGTGCCGGTGTGTTAAAATTTTCCGTTTCCGCG TATTGTGTTTTCCGCCGCCGGGCGGTTTGTTTGCGAATCGGACGAGAATTTATGCCTTCT GCCCATTATCCTGAAATGAGCGAAAAACTGATGGCGGTTTTGATGGCGATGCTGGTTACG CTGATGCCGTTTTCCATCGATGCCTACCTGCCCGCGATTCCCGAAATGGCGCAATCGCTG GGACAGGTGGTCGGCGTTCGGTGTCCGACATCAAAGGGCGCAAACCCGTCGCCCTGACC GGTTTGATTGTATATTGCCTTGCCGTTGCCGCCATCGTATTTGTTTCGAGTGCCGAACAG CTCCTCAACCTGCGCGTCGTGCAGGCATTCGGTGCGGGCATGACTGTGGTCATCGTCGGC GCAATGGTGCGCGATTATTATTCCGGACGCAAAGCCGCCCAGATGTTTGCCCTTATCGGC ATCATTTTGATGGTTGTGCCGCTGGTCGCACCCATGGTCGGCGCATTGTTGCAGGGCTTG GGTGGCTGGCAGGCGATTTTTGTTTTTCTGGCGGCGTATTCGCTGGTGCTGCTCGGTTTG CTGGTGGCGGGGGGGTTCAAGCGCGTATTGAAAACCCGTGCTGCGATGGGTTATCTGTTT CAGCAGCTCTACCGTGTTACGCCTCATCAATACGCTTGGGCGTTTGCACTCAACATCATC ACGATGATGTTTTCAACCGCGTTACCGCGTGGCGGCTCAAAACCGGCGTGCATCCGCAA AGCATCCTGCTGTGGGGGATTGTCGTCCAGTTTGCCGCCAACCTGTCCCAACTCGCCGCC GTGCTGTTTTTCGGGTTGCCCCCGTTTTGGCTGCTGGTCGCGTGCGTGATGTTTTCCGTC GGTACGCAGGGCTTGGTCGGTGCAAACACGCAGGCGTGTTTTATGTCCTATTTCAAAGAA GAGGGCGGCAGCGCAAACGCCGTATTGGGTGTATTCCAATCTTTAATCGGCGCGGGGGTG GGTATGGCGGCGACCTTCTTGCACGACGGTTCGGCAACCGTGATGGCGGCAACGATGACC AACGGGCAAAGCGAATACCTTTAACGGAAAATGCCGTCTGAAACCGTTTCAGACGGCATT TGATGTTAGAATGCACGATAAATTACTGTTCAGGCGAAATTATGTCCCAAACTATCGACG AACTCCTCCTTCCCCACCGCAACGCCATCGACACCATCGATGCCGAAATCCTGCGCCTGC TCAACGAACGTGCGCAACACGCCCACGCCATCGGCGAGCTGAAAGGCACGGGCGCAGTGT ACCGCCCGAACGCGAAGTCGCCGTGTTGCGCCGCATTCAGGATTTGAACAAAGGCCCGC TGCCCGACGAATCGGTAGCACGCCTGTTTCGGGAAGTGATGAGCGAGTGCCTCGCCGTCG AACGCCCGCTGACCATCGCCTATCTGGGGCCGCAGGGCACGTTTACCCAGCAGGCGGCAA TCAAACATTTCGGACACGCCGCGCACACCATGGCGTGTCCGACCATAGACGACTGCTTCA AGCAGGTTGAAACGCGTCAGGCGGATTATCTGGTCGCCCCCGTGGAAAATTCGACCGAAG GCTCGGTCGCACGTTAGACCTGCTTGCCGTTACCGCGTTGCAGGCGTGCGGCGAAA TCGTTTTGCGCATCCACCACACCTTTTGCGTAAAAACAACGGCAGCACCGAAGGCATTG CCAAAGTCTTTTCCCACGCGCAGGCGTTGGCGCAGTGCAACGACTGGTTGGGCAGACACC TGCCCAACGCCGAACGGATTGCCGTGTCCAGCAATGCCGAAGCCGCAAGGCTGGTTGCCG AATCGGACGACGGTACGGTTGCCGCCATCGCCGGACGCACGGCGGCGGAAATCTACGGAC TCGATATGGTTGCCGAGTGCATCGAAGACGAACCGAACACCACGCGCTTCTTGGTGA TGGGACATCACGAAACCGGTGCAAGCGGCAGCGACAAGACTTCGCTGGCCGTTTCCGCGC CCAACCGGGCAGGCGCGGTTGCCTCGCTGCTGCAACCGCTGACCGAATCGGGTATTTCCA TGACCAAGTTTGAGAGCCGTCCGAGCAAATCCGTTTTGTGGGAATACCTGTTCTTCATCG ACATCGAAGGACACCGCCGGGACGCGCAGATTCAGACGCATTGGAACGCTTGGGCGAAC GCGCTTCGTTCGTCAAAGTCATCGGTTCGTACCCGACCGCCGTTTTGTAGCGGCGGCAGC GTTCAGACGGCATTTCCCCAACGATTATGTCCGAATACCGAGTCAACCATGAACCCGTTT TTATGCTGGCATCTTCGCCCTGGCGCGAAAGCAGCCTGTGGGTTGAAGCATTCAGCCGCC GCGTATTGGTGCCGTTCGTGCCCGTCAGCGTGTCGTGGTACGGCAGTCAGGAACTCAAAA CCCTACACCGCGCGAATGGGTCGGCGGTTGGCGGCAGCCTCAGGGCAGGGCGTTGTTCG GCGGATTGTATGTGAACGAGTTGGTGTTGAAACTGACCGCCGCGAAGACCCGGTGCCCG AGTTATACGACGCGTTGGCGGAAGTGATGGAGGCGGTGTGCTGCAAAGCCGCTTATATCG ACGACTTGCGCCGTTTCGAGTGGCGGCTGCTGAACCTGTTGGGCGTTGCCCCCGATTTGA ACCGCGACGGGGACGGCGGACGATTGCGGCAGGCGCACATACCTTGTCCGCCCGGAAA CAGCCGTCTTCCCCGTCGGAAAAGGATTTGCCGTACCGCCGCACGCCGCCGGCGTTGTCG CCCCGGGCAGAGCCTGATCGATTTGCGCGAAGGCAGTTTCCGCACTGCCGAAAGCCTGC AACAGGCATTGAAAATCACACGGCTTTTTATCCGCCACCTGTTGCCCGAGGGGCTGAAAT CGCGGCAGGTGTTGGAACAGATACGGCAGTTTGACCGCAAAGAAACCGCCCGGGAAACCG TCCCGACTTCGGACGGCACGGCTTCAAATGCCGTCTGAAGGCAGAAATAAAAGGAAAGAT TATGCTTTTAGGTGTCAACATCGACCACATCGCCACCGTCCGCAATGCGCGCGGTACGAC TTATCCCAGCCCGTGGAGGCGCACTGGTTGCCGAAACGCACGGTGCGGATTTGATTAC CATGCACCTGCGCGAAGACCGCCGCCACATCAAAGACGCGGACGTGTTTGCCGTCAAAAA CGCCATCCGCACGCGCCTGAACCTTGAAATGGCGTTGACGGAAGAAATGTTGGAAAACGC TTTGAAAGTGATGCCGGAAGACGTGTGCATCGTGCCTGAAAAACGTCAGGAAATCACGAC CGAAGGCGGTTTGGACGTATTGGCGCAACAGGAAAAAATCGCCGGGTTCACCAAAATCCT GACCGACGCAGGCATACGCGTGTCTTTGTTTATCGATGCCGACGACAGGCAAATCCAAGC CGCCCGTGATGTCGGCGCGCCCGTTGTCGAGCTGCACACAGGCGCGTATGCCGACGCGCG CAGCCACGCCGAACAAATCAGGCAGTTCGAGCGCATCCAAAACGGCGCGCATTTCGCCGG CGATTTGGGCTTGGTCGTCAACGCCGGACACGGACTGACCATACACAACGTTACCCCCAT CGCCCAAATCCTCGCCATCCGCGAACTGAACATCGGGCATTCGCTGATTGCCCAAGCCCT CTTCCTCGGACTGCCCGAAGCCGTGCGCCAAATGAAGGAGGCGATGTTCAGGGCAAGGCT GCTGCCGTAAGGGCAGGCAAACCCTTTCAGACAGCATTTCACGACAGGGATATGTTATAG TGGATTAAATTAAATCAGGACAAGGCGGCGAAGCCGCAGACAGTACAAATAGTACGGCA AGGCAAGCCAACGCCGTACTGGTTTAAATTTAATTCACTATATGAATCAAAAGTATATTT TATCTGCAAACAATAATAGTTTGATAGAAGAAATTCACAATACAGTACAGAGTATTGGGT ATTGTATTGTTCGAGGTCTTAATCTAAACCATCTTGATGGCAGCCGGAGAAACAAGAAAT TATTTGACTTTCTATCTCAATTAGGAATGCTGACAAACCACAAAGGCGATGGTTTTAAAT CTATATTTTGGGATATTAAATATTGAGGCGATGATTATGTAATATAGTGGATTAACAAAA ATCAGGACAAGGCGACGAAGCTGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGT GCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTT TTTGTTAATCCACTATAAATAATGATATAACTTTCTCGGAAGATGTTGGAGAATGTCCAC AATCAGCCAATGATGGAGGTAATTCCCTATTTTTAAGTTCATCAGATATTGTCAATCAGT TATCTAAAACAGAAACCGGTAAAAAACACTTAAAAACATTAACGGGCAATTTATATCCAT TTAAAACACCAGCATCATTTGATAAAAAACAAGGTGTGAGATGGGGTAATATCTTATCGG TCAATACTCAAATGATTAGAATTTAGAAGTGATTGTATCTATAAAGGTATTGAAGAAAATA GAAATAAAGTATCAAAGGAAATGGTACTTGCACTTGATTATCTTATAAATGTTATAAAAA ATGCGAGTGATATTCAAGAATTTTCTGCACAAGATGATGGTTTGATTATTATTGACAATG TCAATGGCTTGCATGCCAGAACTGATTATACGGATAAAAACAGGCATTATATTAGAGCAA GAATTACTGTATAAAGGACGGTTATGCAAGAAATAATGCAATCTATCGTTTTTGTTGCTG CCGCAATACTGCACGGAATTACAGGCATGGGATTTCCGATGCTCGGTACAACCGCATTGG CTTTTATCATGCCATTGTCTAAGGTTGTTGCCTTGGTGGCATTACCAAGCCTGTTAATGA GCTTGTTGGTTCTATGCAGCAATAACAAAAAGGGTTTTTGGCAAGAGATTGTTTATTATT TAAAAACCTATAAATTGCTTGCTATCGGCAGCGTCGTTGGCAGCATTTTGGGGGTGAAGT TGCTTTTGATACTTCCAGTGTCTTGGCTGCTTTTACTGATGGCAATCATTACATTGTATT ATTCTGTCAATGGTATTTTAAATGTATGTGCAAAAGCAAAAAATATTCAAGTAGTTGCCA CCATGTCTCCCATATTGTTAATATTTTTGCTTAGCGAAACAGAAAATAAAAATCGTATCG ACCAGTATTGGTTATTAAATAAGAGTGAATACGGTTTAATATTTTTACTGTCCGTATTGT CTGTTATTGGATTGTATGTTGGAATTCGGTTAAGGACTAAGATTAGCCCAAATTTTTTTA AAATGTTAATTTTTATTGTTTTATTGGTATTGGCTCTGAAAATCGGGCATTCGGGTTTAA TCAAACTTTAATTCATTATTAAATGCCTTAACTCCTTATTAAATAATTGGCACGATGTTT TAGAATTCAAATGCAAAAGGTTACAGTGAAAATTGTTACCGACAAAACCCCAAAAGTGG ATATTCACGCCATTTTAACGCCCCAAGAAATTGACGGCATTCATCACATTCATCACT ACCCGCAACCAAGGGCGAAGGAGCGCAAATATGATTTACGGCATCGGCACAGACATTGTT TCCCTCAAGCGCATCATCCGCTTAAACAAAAATTCGGACAGGCGTTTGCCGGGCGCATC CTCACTCCGGAAGAGCTGCTTGAATTTCCGCAAGCGGGCAAACCCGTCAACTACCTCGCC AAACGCTTTGCCGCCAAAGAAGCCTTTGCCAAAGCCGTCGGCACGGGCATACGCGGCGCG GTTTCCTTCCGCAACATCGGCATCGGGCATGACGCATTGGGCAAGCCCGAATTTTTCTAC GGCCCCGCCCTGTCCAAATGGCTGGAGGAACAAGGCATCAGCCGCGTCAGCCTCAGCATG AGCGACGAAGAAGACACCGTATTGGCGTTTGTCGTTGCCGAAAAATAATGCCGTCTGAAA GTACCCGCCATGATTCAAGACACCCGACCCCTTATCCGCGTCGTTGCCGGCATCCTGCTC GATTCAGACGGCAACTACCTGCTCAGCTCGCGCCCCGAAGGCAAACCCTATGCCGGATAT TGGGAATTTGCCGGCGGCAAGGTCGAAGCGGGCGAAACCGACTTCCAAGCCCTGCAACGC GAGTTTGAAGAAGAACTCGGCATCCGCCATCCTCGCCGCCACGCCTTGGTTGACCAAAATC CATTCCTACGAACACGCCCGCGTCTGCCTGAAATTCCTATGGGTCAACCCCGACCAATGG ACGGGCAAACCGCAATCCCGCGAAGGGCAGGAATGGTCTTGGCAGAAGGCGGGTGATTTT CGTTTGTACGGCAGCCTGAAAACGGGTTTGCACGGAGAAAACAGTATGGGCGCGTACCGC GTCCTGCCTTTGGGTTCGGCAGAGGGAAGCGGTGCGAACGTTTTGATGGAGGCGGCGCAA TGGCAGGACAGACCCGAACACGCCGACAGCGTGTGGATGGTGGTGCAGACCCGCGAACAA TGGCGGCGGGCGCAGGAAAAGGGCGCGGATGCGGTCGTTTGGCGCGTGTGCGATGATGTT CAGGCACAAGAGGCGGCAGAAGCCCTGCGGCAGGGCGTATCCGTGCCGCTCGTACTTGCA GCAAACGGACAGACGGTTGCACGTTATGGAAAACTATGGCTCGGATTGGGGGCGCACGTG GTGGTAAGGGATGAAACAATAGGGAAGAATCATGAATAAAAACCGTAAATTACTGCTTGC CGCACTGCTGATTGCCTTTGCCGCCGTCAAGCTCGTTTTGTTGCAATGGTGGCAGGC GCAGCAGCCGCAAGCTGTGGCGGCGCAATGCGATTTGACCGAGGGTTGCACGCTGCCGGA CGGAAGCCGCGCCGCCGCCGCCGTTTCAACCAAAAAACCGTTTGATATTTATATCGA ACACGCGCCCGCCGGCACGGAACAGGTCAGCATCAGCTTCAGTATGAAAAATATGGATAT CCGCCTGCCCATCTGTGTCGAAGGCAGGCGCGATTTTACGGCGGACATTACAATCGGCAG TCGGACATTTCAGACGGCATTTACCGCCGAATAAACCTTTCAATCCGCCATTGCCGGAAC ATCCGTCCGGAAAGGACACGTTATGAATACTTTATATACACTTTTCGCCACCTGCCCGCG CGGCTTGGAGACCGTTTTATCTCAAGAACTCGAAAGCCTCGGCTGTACCGATGTACAAGT GTTTGACGGCGGCGTTTCCTGCCGGGGCGGATTGGAACAGGTTTACGCCGCCAACCTGCA TTCGCGTACTGCCAGCCGTATCCTGCTGCGCCTGACCAAAGGGACATACCGCAATGAGCG CGACATCTACAAACTCGCCAAAAATATCAACTGGTTTAATTGGTTTACTTTACAGCAGAC

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TTTATTTTAGCCATTTTCAATATACCCCCAAATATACCCCCAATTTGCACAAGTCAAAA GAAATACAAGGGGTCTCGGTTCGGGTGTCAAAATCCCTGTTTCGTGTTAGTCATGTGGGG GGGAAGAGGGGGTTAGAATGAAGTAAAGCTGTTGCCCTCTCCCCGCAATAGTTCCATTAG GCGCGGATGAATGAATAGTTTGTCCCTGCCGATGACGATTTCTTGCAGCACACCTATGTC TGAAAGCTCTTTCAGGTACTTAGAGGCCGTCTGCCGTTTGGCTATCCCTGCCGCTTCTAG TCCTTGTGCGTGTGTCCGTATGTGTTGCCGTGTCTCGCAACAGGCGGCGTATCGCATC TATTTTCGATACCGTCCAATCGGCGGTGTCAGCTACGCCGTCTAAGATGTAGATTATCCA GCTTTCCCAGTCCTGCCGTTCGGTTACGCCTAAAAGCAGGCGGTAATAGTCCGCCCTGTT TTCAAATTGGTAATGTGCCGCCGCCATGATGATAAGCGGGTCTAAATCGCCGCTTTCGTG ATAGACAACATTTCCGCTGTTGCCTCCTTTTAGGGCTGTGCCGCCTGTTTTGCGGATGGC CATTTCGTAGGGGTGCTTGATGGCGTTTGCAGACCATGATGGCGGTTTGTGTGCATAAAGG GCGGCTCGTCAGTGATTCATAGCCTGCAAACAGGGCGGTGCGGTATTGCAGGGCTTCTTT CGTGGCAGGGTCTTGCCGTTCCGTATCCATTTGCAGGGATTGAAACAGCTTGTCCGTGGT GGTTACGATGTTTTCAATTTCCGAACTTGCACGGGCTTCCATAACAGGAAGGGTGTTAAT CAGCATGGCTTGATTCGGTATCAATTCTGCCGCCTGCTTTAAACGGGCAAGGGATGCACG GGCGGCTATACAACGTTTCAGGATGGTTTTGCTTTCAATATCCTGTTTTGGCGGCAGGGG TGGTAAATCGTTATAGGGAATATTGGGTTTCCAGTTGCTCATATTTAAAATTTCGGAAAA TTTAAAGATGTTTCCAGTATATGTTTACGCCGTGTATATATCAAGGATATATGTTTAAAA **AACTGTCCGCATTCTATCGCTCCGGCGACGATACCCATATTTCCAAGTTTGTGTATCAAA ATTGTATATCGGGCATAGACTATTTCGGCGAGGACGAAGATATAGATTTCCACGATTGAA** TTTCGGGTAACTTTTAAACCGTCATTCCTACGAAAACAGAAAATCAAAAACAGAAATCTC AAATCCCGTCATTCCCGCGCAGGCGGGAATCTAGACATTCAATGCTAAGGCAATTTCTCG GAAATGACTGAAACTCAAAAAACTGGATTCCCACTTTCGTGGGAATGACGGAATGTAGGT TCGTGGGAATGACGTGGCAGGTTTCCGTATGGATGGATTCGTCATTCCCGCGCAGGCG **GGAATCTAGACATTCAATGCTAAGGCAATTTATCGGGAATGACTGAAACTCAAAAAACTG** GATTCCCACTTCGTGGGAATGACGCGATTAGAGTTTCAAAATTTATTCTAAATAGCTGA AACTCAACGCACTGGATTCCCGCCTGCGCGGGAATGACGAAGTGGAAGTTACCCGAAACT TAAAACAAGCGAACCGAACGAACTGGATTCCCACTTTCGTGGGAATGACGGAATGCAGG TTCGTGGGAATGACGGAATGCAGGTTCGTGGGAATGACGTAGTGCAGGTTTCCGTATGGA TGGATTCGTCATTCCCGCGCAGGCGGGAATCTAGACATGCAATGCTAAGGCAATTTATCG GGAATGACTGAAACTCAAAAAACTGGATTCCCGCCTGCGGGGAATGACGAAGTGGAAGT TACCCGARACTTAAAACAAGCGAAACCGAACGAACTGGATTCCCACTTTCGTGAGAATGA CCCGCGCAGGCGGAATCTAGGTCTGTCGGTGCGGAAACTTATCGGGTAAAACGGTTTCT TGAGATTTTGCGTCTTGGATTCCCACTTTCGTGGGAATGACGCGATTAGAGTTTCAAAAT TTATTCTAAATAGCTGAAACTCAACGCACTGGATTCCGCCTGCGCGGGAATGACGAAGTG AATGACGAATTTCAGGTTACTGTTTTTGGTTTTTCTGTTTTTGTGAAAATAATGGGATTTC AGCTTGTGGGTATTTACCGGAAAAAACAGAAACCGCTCCGCCGTCATTCCCGCGCAGGCG GGAATCTAGGTCTGTCGGTGCGGAAACTTATCGGATAAAACGGTTTCTTGAGATTTTTCG TCCTGGATTCCCACTTTCGTGGGAATGACGCGAACAGAAACCGCTCCGCCGTCATTCCCG CGCAGGCGGGAATCTAGACATTCAATGCTAAGGCAATTTATCGGGAATGACTGAAACTCA CGTCATTCCCGCGCAGGCGGGAATCTAGACCTTCAATACTAAGGCAATTTATCGGAAATG **ACTGAAACTCGAAAAACTGGATTCCCACTTTTGTGGGAATGACGCGATTAGAGTTTCAAA ATTTATTCTAAATAGCTGAAACTCAACACACTGGATTCCCGCCTGCGCGGGAATGACGAA** GGGAATGACGGAATGTAGGTTCGTGGGAATGACGGCGGAGCGGTTTCTGCTTTTTCCAAT **AAATGACCCCAACTTAAAATCCCGTCATTCCCGCGCAGGCGGGAATCTAGGTCTGTCGGT** GCGGAAACTTATCGGGTAAAACGGTTTCTTGAGATTTTGCGTCCTGGATTCCCACTTTCG TGGGAATGACGGAATGTAGGTTCGTGGGAATGACGGGATATAGGTTTCCGTGCGGACGCG **AAGTATTTGCAAATTTGTTAAAAATAAATAAATAATAATCCTTATCATTCTTTAATTGA** ATTGGATTTATTATGAACAATCCATTGGTGAATCAGGCTGCTATGGTGCTGCCTGTTTT TTGTTGAGTGCTTGTTTGGGCGGAGGCGGCAGTTTCGATCTTGATTCTGTCGATACCGAA GCCCGCGTCCCGCGCCAAAATATCAAGATGTTTTTTCCGAAAAACCGCAAGCCCAAAAA GACCAAGGCGGATACGGTTTTGCAATGAGGTTGAAACGGAGGAATTGGTATCCGCAGGCA AAAGAAGACGAGGTTAAACTGGACGAGAGTGATTGGGAGGCGACAGGATTGCCGGACGAA AACAATATTTATTCTTCCCCCTATCTCAAACCATCAAACCATCAAAACGGCAACACTGGC AACGGTATAAACCAACCTAAAAATCAGGCAAAAGATTACGAAAATTTTAAATATGTTTAT TCCGGCTGGTTTTACAAACACGCCAAACGAGAGTTTAACTTAAAGGTGGAACCTAAAAGT GCAAAAAACGCCGACGACGGTTATATCTTCTATCACGGTAAAGAACCTTCCCGACAACTT CCCGCTTCTGGAAAAATTACCTATAAAGGTGTGTGGCATTTTGCGACCGATACAAAAAAG GGTCAAAAATTTCGTGAAATTATCCAACCTTCAAAAAGTCAAGGCGACAGGTATAGCGGA TTTTCGGGCGATGACGGCGAAGAATATTCCAACAAAAACAAATCCACGCTGACAGATGGT CAAGAGGGTTATGGTTTTACCTCAAATTTAGAAGTGGATTTCCATAATAAAAATTGACG

GGCAAACTGATACGCAACAATGCGAATACCGATAACAACCAAGCCACCACCACGCAATAC TACAGCCTTGAGGCTCAAGTAACAGGCAACCGCTTCAACGGCAAGGCAACGGCAACCGAC AAACCCCAACAAAACAGCGAAACCAAGGAACATCCCTTTGTTTCCGATTCGTCTTTTTG AGCGGCGGCTTTTTCGGCCCGCAGGGTGAGGAATTGGGTTTCCGCTTTTTGAGCGACGAT CAAAAAGTTGCCGTTGTCGGCAGCGCGAAAACCAAAGACAAACCCGCAAATGGCAATACT GAAAACGGTAAGCTGACCACGGTTTTGGATGCGGTCGAGCTGAAATTGGGCGATAAGGAA GTCCAAAAGCTCGACAACTTCAGCAACGCCGCCCAACTGGTTGTCGACGGCATTATGATT CCGCTCTTGCCCGAGGCTTCCGAAAGTGGGAACAATCAAGCCAATCAAGGTACAAATGGC GGAACAGCCTTTACCCGCAAATTTGACCACACGCCGGAAAGTGATAAAAAAGACGCCCAA GCAGGTACGCAGACGAATGGGGCGCAAACCGCTTCAAATACGGCAGGTGATACCAATGGC AAAACAAAAACCTATGAAGTCGAAGTCTGCTGTTCCAACCTCAATTATCTGAAATACGGA GATGCTAAAACGGAACAAGTTGAACAAAGTATGTTCCTCCAAGGCGAGCGCACCGATGAA AAAGAGATTCCAAGCGAGCAAAACATCGTTTATCGGGGGTCTTGGTACGGATATATTGCC AACGACAAAAGCACAAGCTGGAGCGGCAATGCTTCCAATGCAACGAGTGGCAACAGGGCG GAATTTACTGTGAATTTTGCCGATAAAAAAATTACTGGTACGTTAACCGCTGACAACAGG CAGGAGGCAACCTTTACCATTGATGGTAATATTAAGGACAACGGCTTTGAAGGTACGGCG AAAACTGCTGAGTCAGGTTTTGATCTCGATCAAAGCAATACCACCCGCACGCCTAAGGCA TATATCACAGATGCCAAGGTGCAGGGCGGTTTTTACGGGCCCAAAGCCGAAGAGTTGGGC GGATGGTTTGCCTATCCGGGCGATAAACAAACGAAAAATGCAACAAATGCATCCGGCAAT AGCAGTGCAACTGTCGTATTCGGTGCGAAACGCCAACAGCCTGTGCGATAAGCACGGCTG CCGAACAATCAAGAATAAGGCCTCAGACGGCACCGCTCCTTCCGATGCCGTCTGAAAGCG AAGATTAGGGAAACACTATGCAACAGCAACATTTGTTCCGATTCAATATTTTATGCCTGT CTTTAATGACTGCGCTGCCCGCTTATGCAGAAAATGTGCAAGCCGGACAAGCACAGGAAA AACAGTTGGATACCATACAGGTAAAAGCCAAAAAACAGAAAACCCGCCGCGATAACGAAG TAACCGGGCTGGGCAAGTTGGTCAAGTCTTCCGATACGCTAAGTAAAGAACAGGTTTTGA ATATCCGAGACCTGACCCGTTATGATCCGGGTATTGCCGTGGTCGAACAGGGTCGGGGCG CAAGTTCCGGCTATTCAATACGCGGCATGGATAAAAACCGCGTTTCCTTAACGGTGGACG GCGTTTCGCAAATACAGTCCTACACCGCGCAGGCGGCATTGGGCGGGACGAGGACGGCGG GCAGCAGCGGCGCAATCAATGAAATCGAGTATGAAAACGTCAAAGCTGTCGAAATCAGCA AAGGCTCAAACTCGGTCGAACAAGGCAGCGGCGCATTGGCGGGCTCGGTCGCATTTCAAA CCAAAACCGCCGACGATGTTATCGGGGAAGGCAGGCAGTGGGGGCATTCAGAGTAAAACCG CCTATTCCGGCAAAAACCGGGGGCTTACCCAATCCATCGCGCTGGCGGGGGCGCATCGGCG GTGCGGAGGCTTTGCTGATCCACACCGGGCGGCGCGCGGGGGAAATCCGCGCCCCACGAAG ATGCAGGACGCGCGTTCAGAGCTTTAACAGGCTGGTGCCGGTTGAAGACAGCAGCAATT ACGCCTATTTCATCGTTAAAGAAGAATGCAAAAACGGGAGTTATGAAACGTGTAAAGCGA ATCCGAAAAAAGATGTTGTCGGCAAAGACGAACGTCAAACGGTTTCCACCCGAGACTACA CGGGTCCCAACCGCTTCCTCGCCGATCCGCTTTCATACGAAAGCCGGTCGTGGCTGTTCC GCCCGGGTTTTCGTTTTGAGAATAAGCGGCACTACATCGGCGGCATACTCGAACACACGC AACAAACTTTCGACACGCGCGATATGACGGTTCCGGCATTCCTGACCAAGGCGGTTTTTG ATGCAAATAAAAAACAGGGGGTTCTTTGCCCGGTAACGGCAAATACGCGGGCAACCACA AATACGGCGGACTGTTTACCAACGGCGAAAACGGTGCGCTGGTGGGCGCGGAATACGGTA CGGGCGTGTTTTACGACGAGACGCACACCAAAAGCCGCTACGGTTTGGAATATGTCTATA CCAATGCCGATAAAGACACTTGGGCGGATTATGCCCGCCTCTCTTACGACCGGCAGGGCA TCGGTTTGGATAATCATTTTCAGCAGACGCACTGTTCTGCCGACGGTTCGGACAAATATT GCCGCCCGAGTGCCGACAAGCCGTTTTCCTATTACAAATCCGATCGCGTGATTTACGGGG AAAGCCACAGGCTCTTGCAGGCGGCATTCAAAAAATCCTTCGATACCGCCAAAATCCGCC ACAACCTGAGCGTGAATCTCGGGTTTGACCGCTTTGGCTCTAATCTCCGCCATCAGGATT ATTATTATCAACATGCCAACCGCGCCTATTCGTCGAACACGCCCCCTCAAAACAACGGCA AAAAAATCAGCCCAACGGCAGTGAAACCAGCCCCTATTGGGTCACCATAGGCAGGGGAA ATGTCGTTACGGGGCAAATCTGCCGCTTGGGCAACAATACTTATACGGACTGCACGCCGC GCAGCATCAACGGTAAAAGCTATTACGCGGCAGTTCGGGACAATGTCCGTTTGGGCAGGT GGGCGGATGTCGGCGCGGGCTTGCGCTACGACTACCGCACCACGCATTCGGACGACGCA GCGTTTCCACCGGCACGCACCGCACCTTGTCCTGGAACGCCGGCATCGTCCTCAAACCTA CCGACTGGCTGGATTTGACTTACCGCACCTCAACCGGCTTCCGCCTGCCCTCGTTTGCGG AAATGTACGGCTGGCGGGGGGGTGTTCAAAGCAAGGCGGTCAAAATCGATCCGGAAAAAT CGTTCAACAAGAAGCCGGCATCGTGTTTAAAGGCGATTTCGGCAACTTGGAGGCAAGTT GGTTCAACAATGCCTACCGCGATTTGATTGTCCGGGGTTATGAAGCGCAAATTAAAGACG GCAAAGAAGAAGCCAAAGGCGACCCGGCTTACCTCAATGCCCAAAGCGCGCGGATTACCG GCATCAATATTTTGGGCAAAATCGATTGGAACGGCGTATGGGATAAATTGCCCGAAGGTT GGTATTCTACATTTGCCTATAATCGTGTCCGTGTCCGCGACATCAAAAAACGCGCAGACC GCACCGATATTCAATCACATCTGTTTGATGCCATCCAACCCTCGCGCTATGTCGTCGGCT TGGGCTATGACCAACCGGAAGGCAAATGGGGTGTGAACGGTATGCTGACTTATTCCAAAG CCAAGGAAATCACAGAGTTGTTGGGCAGCCGGGCTTTGCTCAACGGCAACAGCCGCAATA CAAAAGCCACCGCGCCGTACCCGCCCTTGGTATATTGTGGACGTGTCCGGTTATTACA CGGTTAAAAAACACTTTACCCTCCGTGCGGGCGTGTACAACCTCCTCAACTACCGCTATG GCGTTTACAACCGATATGCCGCCCCGGTCGCAACTACACATTTAGCTTGGAAATGAAGT TCTAAACGTCCAAACGCCGCAAATGCCGTCTGAAAGGCTTCAGACGGCATTTTTTACACA ATCCCCGCCATTTTCCATCATCCCCGATACACCGTAATCTCGAAACCCGTCATTCCCGCG CAGGCGGGAATCCAGTCCGTTCGGTTTCGGTTTTTTTGAGGTTTCGGGTAACTTCTAAAC CGTTATTCCCGCGAAAACAGAAAATCAAAAACAGAAACCTCAAATCCCGTTATTCCCGAG CAGACGGGATCTAGGGCGTAAAATCTAAAGAAACCGTTTTATCCGATAAGTTTCCGCACC GACAGACTAGATTCCCGCCTGCGCGGGAATGACGTTATATTTTTCGCATTTGATAAAAAA

GACCGTTTGAAATTTTTTCAGCGGACGCAAAGTATTGCGTAAAATGCTGCTTATAAGAAA CCCACCAATCCCACCGTTTCCACCTATTCCCCCAACTCCGTCAATGTTATCCATTCCGCC CATTCCCACCGAAAACCGAAACCGCCGTATTCCCAAAAACCTTTGATGCGGTGAAATTGG TGGGCTGAAGCCCACCCTACAGCCCACCCTACGGCTCGCCGAAATTTCGTCATTCCCGCG CAGGCGGGAATCCAGGTCTGTCGGTGCGGAAACTTATCGGATAAAACGGTTTCTTGAGAT TTTACGTCCTAGATTCCCACTTCCGTGGGAATGACGGGATGCAGGTTTTCGTGCGGACGC GCAAAATCCCAACGGATCGGATTACCGCTTTCGCGTTTCAAAGTTACGGCGTTATCGGAA AAACAGAAAATCAAAGCTGCAAGAATTTATTTAAAACAACCGAATTTCAACGGATCGGAT TCTCGCCTGTAGGGAATGACGGCGGAAGGTTTTTTGTCTTTTCTGACAGATGTCCGCAAT CTGAAATCCTGACCGTGGGAACGACGGTATAGTGGATTAACAAAAACCAGTACGGCGTTG GCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTT CCGTACTATTTGTACTGTCTGCGGCTTTGTCGCCTTGTCCTGATTTTTGTTAATCCACTA TATAAATATTTCTATTTCAATCCAATATAAAATGCCGTCCGAACATCGTTCGGACGGCAT TTTTTTCGCATCCGTGCTCATTTGCGGCATCACGAAACCGTCTTTCATATCCTGCTCGTT CGGGAAGATGGAACGGGTGTTCACCAGCTCGGCAGGCATTTTTTCGCGCGCCGGTTTGCT GGCGGGGCAAAGGTTACGGCGATGCCGTTTTTCGCCGCGATTTCGGGGTCGAGCGTGTA GTTGATGTATTTGTGGGCATTGGCGACGTTTTTCGCATCGGCGGGAATCAGCCAAGACTC AATCCAGAAGCCCATACCTTTCGGTGTCAGCACTTCGATGCCGACGTTGTTTTTCACTTC CTTCAACACTTCCGCCGCCGCCTTCAAGTCTTCAGGATTCGAGCCTTTGGGGTCTTTGCC CAAGTAGTTCAGCAAAATCGGGAACATTTCACTCGGGGTGTCCCACAGGGCGATGCCGCA GGATTTCAGCTTGTGGGTGTATTCGGGTTTGAACAGCAAATCCCAGCCGTTTTCGGGCAG CTTGCCGCCCAAAAGCTCTTTGCCCTTCGCCGTAATCGCAATCGTGTTCACGCCGGAGAA ATAGGGGACGCATACTGGTTGCCCGGGTCGGCGGTTTCCAGCATTTTCAAGAGTTCGGG GATTTGGCGCGCAGGAAGGCGATGCCCGGCACGACCAAATCGTAACCGGATTTGCCGGT ${\tt CAGCATTTTGGCTTCCAGCGTTTCATTGTTTTCGTACAAGTCGTAAGTCAGCTTCAGATT}$ GTTGGCTTTTTTAAAGTCTTCGACCGTACTCTCATCAACATAGTTCGACCAGTTGTAGAT GTTCAGAGTATCGGTGGCAGCGGCTTCGGCATTGGCAGCAGCAGCGTCTGCTTGAGG TTGCACGGCGTTTTTTTCGCTGCCGCCGCAGGCTGCCAGAGACAGCGCGGCCAAAACGGC CCCGCGCCCCATCGTTACCCCGGCGCAAGGTTTGGGCATTGTAAAGTAAATTTGTGCAAA CTCAAAGCGATATTGGACTGATTTTCCTAAAAAATTATCCTGTTTCCAAAAGGGGAGAAA AACGTCCGCCCGATTTTGCCGTTTTTTTGCGCTGTCAGGGTGTCCGACGGGCGGATAGAG CCGTCAAACAACGCGCCCACAATGCTAGCCTGCGTACCGCATTCCGCACCGCAGTGAAAA AAGTATTGAAAGCAGTCGAAGCAGGCGATAAAGCTGCCGCACAAGCGGTTTACCAAGAGT CCGTCAAAGTCATCGACCGCATCGCCGACAAGGGGCGTGTTCCACAAAAACAAAGCGGCAC GCCACAAAAGCCGTCTGTCTGCAAAAGTAAAAGCCTTGGCTTGATTTTTGCAAAACCGCC AAGGCGGTTGATACGCGATAAGCGGAAAACCCTGAAGCCCGACGGTTTCGGGGTTTTCTG TATTGCGGGGGCAAAATCCCGAAATGGCGGAAAGGGTGCGATTTTTTATCCGAATCCGCT ATGCGCTATATTCTTTTGACAGGACTGTTGCCGATGGCATCCGCTTTTGGAGAGACCGCG CTGCAATGCGCCGCTTTGACGGACAATGTTACGCGTTTGGCGTGTTACGACAGGATTTTT GCGGCACAGCTTCCGTCTTCGGCAGGGCAGGAAGGGCAGGAGTCGAAAGCCGTACTCAAT CTGACGGAAACCGTCCGCAGCAGCCTGGATAAGGGCGAGGCGGTCATTGTTGTTGAAAAA GGCGGGGATGCGCTTCCTGCCGACAGTGCGGGCGAAACCGCCGACATCTATACGCCTTTG AGCCTGATGTACGACTTGGACAAAAACGATTTGCGCGGGCTGTTGGGCGTACGCGAACAC AATCCGATGTACCTTATGCCGCTCTGGTACAACAATTCGCCCAACTATGCCCCGGGTTCG CCGACGCGCGGTACGACTGTACAGGAAAAATTCGGACAGCAGAAACGTGCGGAAACCAAA TTGCAGGTTTCGTTCAAAAGCAAAATTGCCGAAGATTTGTTTAAAACCCGCGCGGATCTG TGGTTCGGCTACACCCAAAGATCCGATTGGCAGATTTACAACCAAGGCAGGAAATCCGCG CCGTTCCGCAATACGGATTACAAACCTGAAATTTTCCTGACCCAGCCTGTGAAGGCGGAT TTGCCGTTCGGCGGCAGGCTGCGTATGCTCGGTGCGGGTTTTGTCCACCAGTCCAACGGA GGCAAATTGACGGTGATTCCGCGCGTGTGGGTGCGTTCGATCAGAGCGGCGATAAA AACGACAATCCCGATATTGCCGACTATATGGGGTATGGCGACGTGAAGCTGCAGTACCGC $\tt CTGAACGACAGGCAGAATGTGTATTCCGTATTGCGCTACAACCCCAAAACGGGCTACGGC$ GCGATTGAAGCCGCCTACACGTTTCCGATTAAGGGCAAACTCAAAGGCGTGGTACGCGGA TTCCACGGTTACGGCGAGAGCCTGATCGACTACAACCACAAGCAGAACGGTATCGGTATC GGGTTGATGTTCAACGACTTGGACGGCATCTGAACCGCGTGTTCAGACGGTATATCAAGT TGCCGTGCCGTCTGAAGCCGCCGGCGGTTTGGCGGGGCGGGATAAAAATTTCGTTTGAAT GGAACCTGCGGCCGAAGGCGGCAAAGCTGCCAAGGCGTTAAAAAAATATCTGATTACGGG CATTTTGGTCTGGCTGCCGATTGCGGTAACGGTTTGGGTGGTTTCCTATATCGTTTCCGC GTCCGATCAGCTCGTCAACCTGCTGCCGAAGCAATGGCGGCCGCAATATGTTTTGGGGTT TGCCGCCAACGTATTGGGTCGGCAGATCCTCGCCGCGTGGGACAGCCTGTTGGGGCGGAT . TCCGGTTGTGAAATCCATCTATTCGAGTGTGAAAAAAGTATCCGAATCGCTGCTGTCCGA CAGCAGCCGTTCGTTTAAAACGCCGGTACTCGTGCCGTTTCCCCAGCCCGGTATTTGGAC

GATTGCTTTCGTGTCAGGGCAGGTGTCGAATGCGGTTAAGGCCGCATTGCCGAAGGACGG CGATTATCTTTCCGTGTATGTTCCGACCACGCCGAATCCGACCGGCGGTTACTATATTAT GGTAAAGAAAAGCGATGTGCGCGAACTCGATATGAGCGTGGACGAAGCATTGAAATATGT GATTTCGCTGGGTATGGTCATCCCTGACGACCTGCCCGTCAAAACATTGGCAGGACCTAT GCCGTCTGAAAAGGCGGATTTGCCCGAACAACAATAAAGCCGCCGTTCAGACGGCATTTT CTGTTTTCAGTTTAAATCAATAAAAGGTGATTTTATGCGTACCAACTATTGCGGCCTGAT CAGTGAGCAATACTTAGACCAAACCGTTACCGTCAAAGGCTGGGTACACCGTCGACGCGA CCACGGCGTGTGATTTTTATCGACCTGCGCGACCGCGAAGGCATCGTCCAAGTCGTGAT CGATCCCGACACGCCCGAAGCGTTTGCCGCTGCCGATTCCTCCCGCAACGAATACGTTTT GAGCATTACCGGCCGCGTACGCAACCGTCCCGAAGGCACGACCAACGATAAAATGATTTC CGGCAAAATCGAAATCCTTGCCAAAGAAATCGAAGTCTTGAACGCCGCCGCCACGCCGCC GTTCCAAATCGACGATGAAAACATCAGCGAAAACGTTCGCCTGACCAACCGCGTTATCGA CTTGCGCCGTCCGGTGATGCAACGCAACCTGCGCTGCGTTACCAAGTTGCTATGGGCGT TCGCCGCTACTTGGACGCGCAAGGTTTCATCGACATTGAAACCCCGATGCTGACCCGCTC CACGCCTGAAGGCGCGCGCGACTACCTCGTGCCGAGCCGCGTTCATCCGGGCGAGTTTTT CGCGCTACCGCAATCGCCGCAATTATTCAAACAACTGTTGATGGTGGCGGGTTTCGACCG TTACTACCAAATCACCAAGTGCTTCCGCGACGAAGACCTGCGTGCCGACCGCCAGCCCGA ATTTACCCAAATCGACTTGGAAACCTCGTTCTTAAACGAGGATGAAATCATGGACATCAC TGAAGGCATGGCCAAACAAGTCTTCAAAGATGCTTTAAATGTAGATTTGGGCGACTTCCC ACGCATGCCTTACTCTGÁAGCCATGTTCTACTACGGCTCTGACAAACCGGATATGCGCAT CAACTTGAAATTTACCGAGTTGACCGACCTGATGAAAACGGAAGAATTCAAAGTCTTCCG TGGCGCAGCCGACATGAAAGGCGGCCGCGTGGTCGCTCTGCGCGTGCCGAACGGCGCAGA ATTCAGCCGCAAAGAAATCGACGAATACACCAAATTTGTCGGCATCTACGGCGCGAAAGG TCTGGCATACATCAAAGTAAACGATGTCAGCAACCTTTCCAACGGCGAAGACAGCGGCCT CGGCGCGCAAAACGGCGACATCATCTTCTTCGGCGCAGACAAAGCCAAAGTCGTGAACGA AGCCATCGGCGCACTGCGTATCAAAGTCGGCTTGGAGCACGGCAAAGACAACGGCTATTT CACAGACGAATGGAAACCTTTGTGGGTCGTTGATTTCCCAATGTTCGAATACGACGAAGA AGCCGACCGCTACGTTGCCGTACACCATCCGTTTACCGCGCCAAAAGAAGGTCATGAAGA CCTGATGGTTTCCGACCCGGCAAATTGTTTGGCACGCGCCTACGATATGGTATTGAACGG CTGGGAAATCGGCGGCGCTCTATCCGTATTCACCGCGCAGACGTACAAGAGAAAGTGTT TGCCGCGCTGAAAATCAGCCCTGAAGAGCAACAAGAGAAATTCGGCTTCCTCTTGGACAA CCTGAAATTCGGCGCACCTCCTCACGGCGGTCTTGCATTCGGCCTCGACCGTCTGGTAAC GCTGATGACCGGTGCCGAATCCATCCGCGACGTGATTGCCTTCCCGAAAACACAACGCGC CCAATGCCTGCTGACCAACGCGCCCAACAGCGTGGACGACAAGCAGTTGCGTGAATTAAG TTTGCGTTTGCGCCAGAAGGCAACCGAAACTAAAGAAGTATAAGGAAAACGGAGCCGTTT GACGGCTCTGTTTTTTCAGACGGCATTTACGCTTCTTGACTTCCCTCTAATTCAAACCT **AAAAGGACTGAAAATGAAAAAACTGTTATTGGCTGCCGTTGTTTCTCTGAGTGCCGCTGC** CGCATTTGCCGGCGACTCTGCCGAGCGTCAGATTTACGGCGATCCCCATTTTGAACAAAA CCGCACAAAAGCTGTGAAAATGTTGGAGCAGCGCGGTTATCAGGTTTACGATGTCGATGC CGACGACCATTGGGGTAAGCCTGTGCTGGAAGTGGAAGCCTATAAAGACGGCCGCGAATA CGACATCGTGTTGTCTTACCCCGACCTGAAAATCATCAAAGAGCAGCTCGATCGCTGACT CCTTTGATGGAAAGATGAACCAAAATGCCGTCTGAAGCGTTCAGACGGCATTTTGCCTGT TCCTCATCAGGTATGAGGCAGGCTTTTCTTATTAAAAAAATGACATTTCACGCTGATTTG TTATAATCATTCCTTTTCAACACGACAGACGGAGCAGGTTTATTATGCCTATCCTTACCA TCCGTGAAGTGTGCAACATTAATCATTGGGGCATAGGTTATTATGATGTTGACGATTCCG GCGAAATCATCGTCCGCCCCAATCCCTCGCAACACAATCAAACTGTTTCACTGCAAAAAC AAATCCTCGAACACCGCCTCCGCGACATTAACCGCGCCTTTCAGACGGCACGGGAAGAGT TCATCGAATCGCTTATGTCAAGCGGACAACCGCATGGTTTGGAAGCTGGTTCTAAAGCCG AACTGATGGCGGTTTTGGCACACGCCGGCAACCGGCAAACATTAATCGTCTGCAACGGCT ATAAAGACCGTGAATATATCCGTTTCGCCTTGATGGGCGAAAAACTGGGGCATCAGGTTT ATTTGGTGATTGAGAAGCTGTCCGAAATACAAATGGTATTGGAAGAGGCGGAAAAACTCG GCATCAAGCCCCGTTTGGGTGTGCGCGCCAGACTGGCTTCCCAAGGTTCGGGAAAATGGC AGTCTTCGGGTGGGGAAAAATCAAAATTCGGCTTGTCGGCTTCCCAAGTTTTGCAACTGG TCGATATTTTGAAACAAAAAACAGGCTGGATTGCCTGCAGCTTTTGCATTTCCATTTGG GCTCGCAGCTTGGGAACATCCGTGATGTTGCCACAGGTGTACACGAATCGGCTCGGTTTT ATGTTGAGTTGCACAAACTGGGGGTAAATATCCGCTGTTTTGATGTAGGCGGCGGGCTTG GCGTGGATTACGAAGGAAACCGCACACAATCGGATTGTTCCGTTAATTACAGCCTCAACG AATATGCCGCCACAGTCGTATGGGGCATCAGTCAGGCTTGTCTCGAACACGGGCTGCCGC ATCCGACAATCATCACCGAGAGCGGGGGGGGCATTACCGCACATCACGCCGTTTTGGTTG CTAATGTTATAGGCGTTGAACGTTACAAACCGCGCCGGCTGGATGCGCCATCGCCCGAAG CACCGCGTGTGTTGCACAGTATGTGGGAAACTTGGACGGATATTTCCGCCTCGCGGGAAA AACGTTCCTTACGCAGCTGGATACACGAAGGGCAGTTTGATCTTGCTGATGTGCATAATC ATATCTGTCATGAAGTCGGCGAATTGTTTAATGAAAAACACCGGTCTCACCGAACCATTA TTGACGAATTGCAAGAACGTTTTGCCGATAAGCTGTATGTCAATTTCTCACTCTTCCAAT CTTTGCCCGATGCTTGGGGCATAGATCAACTTTTCCCTGTTTGTCCCATTACCGGTTTGA ATGAACCGATTGCGCGCCGCGCGTGTTGTTGGACATTACCTGCGATTCAGACGGTACGA TTGACCACTACATCGACGGAGACGCCATCGCCGGTACGATGCCTATGCCTGATTATCCCG **AAGAAGAGCCGCCCTTTTAGGCTTTTTTTTTGGTGGGAGCATATCAGGAAATACTCGGCA** ATATGCACAATCTTTCGGCGACACTGCCACTGCCGATGTTGTTGTAGGGGAAGACGGAC **AATTTACCGTCATCGATTACGATGAAGGAAACACCGTTGCCGATATGCTCGAATACGTTT** ATCAAGATCCGAAAGAGCTGATGAAACGCTATCGCGAACAAATCGAACATTCAGACCTTC CTGCCTCGCAGGCTATGTCTTTCTTAAAAGAACTCGAAGCGGGGCTTAATGGTTATACCT ATTTGGAAGACGAATAGACGCATCAAGGCATCGGATATGTCGTCTGAAGCCCGATTTTCT TACTCAAACACCAATCATCACGACCGATTGAAACCAATTACAAGGAATCATTACGATGCA ATACAGCACACTGGCAGGACAAACCGACAACTCCCTCGTTTCCAATAATTTCGGGTTTTT GCGCCTGCCGCTTAATTTTATGCCGTATGAAAGTCATGCCGATTGGGTTATTACCGGCGT GCCTTATGATATGGCGGTTTCAGGGCGTTCCGGCGCGCGTTTCGGTCCTGAAGCCATCCG GCGCGCCTCCGTCAACCTCGCTTGGGAGCACCGCAGGTTTCCATGGACATTTGATGTGCG CGAACGCCTGAACATTATTGATTGCGGCGACTTGGTTTTTTCTTTTGGCGACAGCAGGGA TTTTGTCGAAAAATGGAAGCGCACGCCGGCAAATTACTTTCTTCCGGCAAACGCTGTTT GAGTTTGGGCGGCGACCATTTCATTACCCTACCGTTGTTGCGCGCCCACGCCCGCTATTT CGGCAAACTCGCACTGATTCATTTTGACGCGCACACCGACACCTACGACAACGGCAGCGA TTCCGTACAAATCGGCATACGCACCGAACACAGTAAAAAATTGCCTTTTACTGTGTTGTC CGGCAATATGCCCGTTTACCTGACTTTCGACATAGACTGCCTGGACCCGTCGTTCGCCCC TGGGACCGGTACGCCCGTATGCGGCGGCTTGAGCAGCGACAGGGCATTAAAAATCCTACG TGGGCTGACGGATCTCGACATCGTCGGTATGGATGTTGTAGAAGTTGCCCCCTCTTACGA CCAATCCGACATTACCGCTTTGGCCGGTGCCACAATTGCCTTGGAAATGCTTTACCTTCA AGGTGCGAAAAAGGACTGAACGTCCGGCATCCCCCGGGTTTTCGCCGTGCCGTTCAAACG GCGTATTCAGTCTAATGAAAATTCAAATACTGAAACAAAAGTTGCCCGGAGCCGCATATC **GGAAAGACGGTGAAATATCAGAATATCTTATAAAACAATTAGTTAAATATTATTTTC** CGATTTTTCGGGACGGTCTTTTTTACGGAGGTCAATATGATGAAATTGGGTTTCAAACCG ATACCCCTCGCCATTGCCGCAGTATTGTGCGCCCTGGTTTTGGCACTGCCCGTACCCGAC GGGTCAAGCCTCAGGCTTGGACGCTGCTGGCCATGTTTGTCGGTGTGATTGCCGCCATT ATCGGCAAGGCCATGCCGTTGGGCGCGCTGTCGATTATTGCCGTCGGGTTGGTCGCAGTA ACCGGCGTAACCGCCGACAAACCGGGCGCGGCGATGAGCGATGCGTTGAGTGCGTTCGCC AATCCGTTGATTTGGCTGATTGCCATCGCAGTTATGATTTCGCGCGGTTTGCTCAAAACA GGGCTGGGGATGCGTATCGGATATTTGTTTATCGCCGTTTTTGGAAGAAAACGCTGGGC **ATCGGTTACAGTCTCGCTCTTTCCGAACTGCTGCTGCCTCCCGTTACCCCTTCCAATACC** GCGCGCGGCGCGCATTATACATCCGATTATGCAGTCGATTGCCGGCAGTTACGGCTCC **AATCCCGCAAAAGGCACAGAAGGCAAGATGGGTAAATATTTGGCTTTGGTCAACTATCAT** TCCAATCCCATTTCGTCGGCTATGTTTATTACTGCAACTGCCCCCAACCCTTTAATCGTC GCAATGGCTGTTCCCGGCGTTATCGCCTTTTTCGTTATGCCTTTGATTTTATATTTTTTG TATCCGCCTGAAATTAAAGAAACGCCCAATGCCGTTCAATTTGCCAAAGACCGTCTGAGG GAGATGGGTAAAATGTCGGCAGACGAAATCATTATGGCGGTCATTTTCGGTATCTTGCTG CTGTTGTGGGCAGATGTTCCCGCCCTTATTACCGGCAATCACGCTTTTAGTATCAACGCC ACCGCCACCGCATTTATCGGATTAAGCCTGCTTTTGCTTTCCGGTGTATTGACTTGGGAC GATGTTTTGAAAGAAAAAGCGCGTGGGATACGATTATTTGGTTTGGCGCATTGATTATG **ATGGCCGCATTTTTAAATAAACTCGGACTGATTAAATGGTTCTCCGGAGTGTTGGCGGAA** AGTGTCGGCGGTTTGGGCGTTAGCGGCACGGCTGCGGGCGTAATCCTCGTGCTTAT ATGTATGCGCATTATATGTTTGCCAGTACTACTGCACATATTACCGCTATGTTCGGCGCA TTTTTCGCTGCCGTTTCACTGAATGCCCCGGCGATGCCGACCGCGCTGATGATGGCG GCCGCATCCAACATTATGATGACCCTCACTCATTATGCGACCGGTACTTCGCCTGTGATT TTCGGTTCGGGCTACACCACAATGGGAGAATGGTGGAAGGCGGGTTTTATCATGAGCGTA GTCAATTTTCTGATTTTTTCGTTATCGGCAGCATTTGGTGGAAAGTTCTGGGGTATTGG TAAGGGAAAAATAAAATTTCCAATCTGTGTTTATTTGATTGGGCGACTATTATCGT GAAATATGCCGTCTAAAGCCTTCAGATGGCATATTTGTGCGCTTGAATGTTGCAGAAAGC GGCAGGCGGCGTGTAGGAAAAGCCAAACAAAAACCAAACCGCCTATCAACTTCTGATAA ACATAAGCATTAAATAATCAGAAGGTTATTCAATTACCTAAACGCAAATTTCCCTGCCGT ATCACATCTATTGAAAATAATACATCAACCGGCTCGGAAGCAGCCTGATCAGGTGTTTCT ACTTGCGGCGATGAATCGGCAGCCGGTTCGGTATAGGCAGTCGGCGTGCCGTCGGATTGG TCGGATATTTCGGCAGAGTTGGTTTCCTCAGTTTGTTCAATGACTTCAGCTTGGCTGTAT GAGGAAGAACCCTGTATCCACGCCAGCGATTTGAGCGGCATCTTCATCTTGCCGTTTTTG CCGCAGGTCAGGCAGACGGCCGATCCGGTGCGGTCTTTGAGTACAGCATCGACTTTCTCG GGCGCGATGGTTTTACCCTGTGTTTTTGCCCATTGCGCAATACTTTTTTTCAGAGAGGCG ATGTCAAGGTTGTTCTTACCGTAAGGGTCGCGGAAGCGGCAAGCCACAGGTTGCGATCC GTTTTGGCAAACTCGAGCGCGTCGGGCGATTTCATGCGGACGCAGCCGTGACTCCGAACC CCGGGGACGCTGGCCGCGTTTGGTCCCGTGTATGCCCAAACCGAGTTTGGGGTCGCCT AAGCGGACAAAAACCGGCCCCAAAGGGTTGTCCGGGCCGGCGGCTATGGTTTTTACGCCG TCGCCGCGTTCTTTCTGTATGGATTTGGGGATGTACCAAACAGGGTTATAGGCTTTCGCA CCGATTTTATGTTCGCCTAGATTGGTTTGCGTCATCGCCCGACCTACTGCAACGGGATAA ACCTTGGTCAGTTTGCCGTCGGTGTAGAGGAACAGGCGTTGCTGAGGGATGTTAATGAAG ACATGTTGACCTTGTGCGACGGGGGGAGACATCGGGAATGATGGTGTTTGCGTATGAAAAA CCGCTTATCAATAGTGCAGCAGTGCGGCAGATTGTTTTATTCATATCAAAATATGGTGTG TGTCCGATAGGTTTTCGGCAAATCATACCTGAAACCGTACCAATTTGTGCGAAAATATGC GCTTCGGTACAGTGCGGACGGATTGGGTAATGGCAACGGAAACAAATGTCGCGGAAATTT CCGCCTTGGATTATGAAGGCAGGGGTGTGGCAAAGGTCGGCGGCAAAACGGTTTTTATTA AAAGGGCATTACTTGATTGTTTGATGCTGGGTTGGTTCAGGCTTTAACTCAGGAATATTT ACATCATAATGAAGGTTTTTAAACAACAGCTTGAACAACTCGGCGCGCAAAACCAATATC .GTTCGATTCCGGATTTGATTCATCAAGGGCGGTATATTACGCGGGAAAACCGCAAAATGC TGAATATGTCGTCTAATGATTATTTGGGTTTGGCATCAGATGAAAACTTGCGCCGGTCTT

TTTTGCAGCAATACGGCGGTAATTTTCCCTCTTTTACCAGTTCTTCATCGCGTTTATTAA CGGGCAACTTTCCTATTTATACCGATTTGGAAGAGCTTGTCGCACAACGTTTCCAACGGG AAAGCGCGTTATTGTTCAACAGCGGCTATCACGCCAATCTCGGTATTTTGCCTGCTTTGA CGACGACGAAAAGTTTGATTTTGGCAGATAAATTTGTTCACGCCAGTATGATTGACGGCA TCCGTTTGAGCCGGTGTGCGTTTTTCCGTTATCGTCATAATGATTATGAACATTTGAAAA **ATCTGCTTGAAAAAAACGTCGGAAAATTTGACCGCACTTTTATCGTTACCGAATCTGTTT** TCAGTATGGACGGCGATGTGGCGGATTTGAAACAGCTTGTCCAATTAAAAAAACAGTTTC CCAATACTTATCTTTATGTGGATGAAGCCCACGCAATCGGTGTTTATGGGCAAAACGGAT GTAAAGCCTTAGCCTCGGTGGGGGCGTATGCCGTCTGCAACCAAGTATTGAAAGAATGTT TGATTAATCAAATGCGCCCATTGATTTTTTCAACCGCATTGCCGCCGTTTAATGTGGCTT GGACTTATTTTATTTTTGAACGATTGCCGCAATTCTCAAAAGAAGAAGCCATCTTGAGC AGTTAAGCGCATTTTTACGGCGGGAAGTGGCGCATCGGACGCAAATAATGCCGAGCCAAA CCTGTATCGTCCCCTATATTTTAGGCGGGAATGAAGCCACCCTTGCCAAAGCGGAATACC TGCAAAGGCAGGGTTATTATTGCCTGCCCATCAGACCGTCGACAGTACCCAAAAACACAT CCAGAATCCGCCTGTCTTTAACGGCAGATATGACAACGGATGAAGTGCGGCAGTTTGCGG CGTGCCTGTAAGGATATGATATGGAAACAAAATTTTACAATCATCAAGGCGGACATTTAA TCCTGTATTTTGCAGGTTGGGGAACGCCGCCCGATGCTGTAAATCATTTGATTTTGCCGG AAAATCACGATTTATTGATTTGCTATGATTATCAAGATTTAAATTTGGATTTTGATTTTT CCGCCTATCGGCACATCCGTTTGGTGGCGTGGTCAATGGGCGTTTGGGCGCAGAGAGGG CATTGCAAGGAATAAGATTAAAATCCGCAACGGCAGTGAATGGCACAGGTTTGCCTTGCG ATGATAATTTCGGTATCCCTTGCACCGTTTTTAAAGGCACATTGGAGAACCTCACGGAAA ACACCCGTTTAAAATTTGAACGCAGAATGTGTGGCGATAAAGCATCTTTTGAAGATTACC AACAATTTCCCGCACGCCCGTTTGGCGAAATTCATCAAGAACTTATCGCACTTTTTGCGA TGATCGGGCAAGATAGACGTACAGATCTTATCCGCTGGACAAATGCCTTGGTCGGATCGG GCGATAAAATTTTTATGCCTGCCAATCAGCACCGATATTGGACACCGCGTTGCACCGTTC GGGAAATTGACGTCGGACATTACCTGTTTTCAAGATTCACCCATTGGTCGGCACTATGGA ATCACTGACTGCCATAAATAAATCGCGCATTCGGCAGGCTTTCCAAAAAGCATTAAACGA AGATTATTTGCCGGATATGCCATTGGAAAACGTGTTGGAATTGGGCTGCGGCTCAGGAAT GTTGAGTGCCTTGCTGCAAAAACAGATTTCAGCGAATTATTGGTTATTTAATGATTTGTG CAATGTGCAGCCCCAACTGGCTGAAAAACTGCCGCAATCCTTTGATTTTTATTGCGGCGA TGCGGAAAACTTTCCTTTTCAACGACAATTTGACTTAATCGCAAGCGCATCTGCCGTGCA ATTATTGGCGGTTGCAACCTTTGGCAAAGACAATTTAAAAGAAGTCCGCCAAATTACAAA TATAGGCTTAAATTACCCGACTTTATCCCAATGGCAGGCTTGGTTAGCCAAAGATTTTGA GCTTTTATGGTGTGAGGATTTTACGGTAATACTAGACTTTGATACGCCGTCAGATGTACT CAAACACCTTAAATATACAGGCGTAACAGCCACGAACCAAAAAAATTGGACAAGAAAAAA TCTCAATGGATTTATTGGCGATTACTTGTCGGCGTTCGGTATGCCGTCGGGCAAAGTGCG CAGCTTATGGGCAAAGTTATTTTTATATCGGGTATTGATACTGATGTGGGTAAAAGGTAA TATGGCGAGGCTTGTGCAGAAGGCATATTGTTAAACGTTAAATTATGGTATGATTTAAAA CTTACAAGTCTATTTCAGTAAATCGTTAATAATAAAAGCGGACAATGGCCGTTGCAGGCG ACCGAAGCGCAAATCCCAAGGTGTCGGCAATACGCAGGGGCAGACACCCGGAAGCAATGA TTCGGACTGGGTCGATCAGATTGGACAATCGGTTTCAGACGGCACGCAACCCGACTGGTC TTGGAACGAAAGTGCCGAGACCGCATCCGCCGCGTATCCGCGCAAGAAGTCGATCCGCT TACGGAGTATCAGGTTTATAAGCAATTCGGTTATCAGGGCAAGGCTGCCGAATCTTTGGC TGCCTATCTGGACGCCATTCCGGATGGTGAAGCGAAACCTGAAAACCTTATCCGCGAGCT GCTCGATATCAATCTCGAAGTGGGGGATGTCGATGTTTTGGCAGACAATCTGCAAAAATA CGGCAAACTGATTCTTTCCGAACTTTTGGCAAAATATATCGAACAGGCATTACAGCGCGA TTCAAACCATTTGCGTATCCGCGTCTTGGCGGAAGAAGGTTTGGGATGGGGTACTCAGGA GATTGAAAAACGTGCGGAAGGCGGTTCTGCGACGGCAGCTTCCGCATCGCCCCCGCCGGA TGCCGGCGGTAAGGCTTATGAAGCCGAAGAAATCAAGCGCATCCCGATTGTGCGGGGCAA AAAAGACGTGTCCGGAATCAGTCAAGAGGAAATCGGTGCGATTGCCGGTTTGGTCCGTGC CGATCAAGGTGCGAAAATCCTTAAAGACAAAGTCAGCTATGAAACGGCATCGAAACAATA CGACCGTGCCATCCAAACTTCCGAAAAACCTGCAAACCTGATTATCGATGCGTTGAAACT CGATTACCAACACGCGGACATAGACCGTTTTGCCGGACATTTGTGGAAACTTTACCAAAC GTTGGGCAACTACGGCAGGCAGGTTAAAGAGCGGATGCTGGGGTGGGGGTACAGCTTGGG TTACCATGAAGTTTTCGATGATTTGGAAAAAGGGCCGAACGACCGGCAAATCAAAGACAT CGGTATGGGGCACGGGTATCTGCCGAAAAATATACAGAAATTCAAATCGCAACATCGGGA TTTGGTGCTTCAAGATTCTTCGTTGATTAACACCGGTTCGTCTCCGGCAGACGATGCGGT TAAGGAAGTAGAGTCGTTGCTGATGTATGGTCAGATTGAAGCGGCAATGGATGTTTGGA GCAGGCGGTATTGAAATATCCCGACGAGTCCCAGCTTTATATTACGTTGATCGATATTTA TGAACGTACTGAAGATTGGGATAGGTTGGGGCAGTTTTTAAGGGTATTGAGGGAACGTGC GGACAGGCTTCCTGAAGAGGTCGTTATGCTGATGAGCCGGCTGCTGCAGCGTATGAATCA AAATATTAAAAAAAAAACGGTACGGAAAATAAAAATGGAAGTTCAACTGCCGAAAATT AAAACAGTACGCGTAATGTTGGCGGGGATGACGGCGCAGCAGGAATCCGTTTTCAAAATG GCATTCAAAATGCACAATACCACCCGTTATGAAACAGTATCCCCTTCAGACGGCAGTGCC GTGCCCGATTTGGTTTTGGCGGATACCGATGCCGAGGGCGGTTTTGAACTTTGGAAAGAG CTTGCCGAGCGTTATAAGGATATACCCGTCGCCGTCTGTTCGGAGAAAGTTCCCGATTCT GAAGTTCCCTACCTGCCCAAACCGATTCGGTTTGAAACATTGTTTCCTATGCTCCGCAAA .TTGTTGCAGGGGGAGAATGTTTATGGGAAATCGTTTATTGCACCCGCAGACCGGTCGGCG **AAAAATAACGGGAATGTGCAGCGTACGGTTACGATACGCCAGTTTAACCCGAATAAAGGA** AATAAGCCGGTCCTTATTGTTTTCCCCTCGATACAACGGGTTTTGCTGACAGAAAGTGTG CAAAAACTCGAAGAATTGTGCAAAGACGAAAATTTGCAGGTCAGCTGCAAGACTGTTCCC GATAACCCGCAATGGCGCGAAAAGGCTAAAGTAGGCATTATGTCCTGTATGTGGCAGTTT TCCATTTGGACAGCGCAGGGCAGGTTGATTTATCCGATTTCTCCCGATACTCCGTTTACG TTGAAATCTTGGCCAAACCTGACCCGGTTGGCAAATGTGCCGGGGTCGATACGCTTGTCG GCATTTCTGACCAAGGCATCCGTCAACCTTAACGTGTTGTATAAAGTGATGCCTTTAAAC CTCAATGATATTCTGAATTATCTTGCGGCAACCTATACAACCGGGTTTTTGTCGGTAGAT GATTCTGCCTCTGATAGTGAAATGATGAAAAAAGCGGAAAAAATCACAACACCATCCCAA TCCCAGTCGCGCGCCTTCTGCAAAGGCTGATGAAAAACTGTTGGGCAGCTAAGAGGCG GAGAGATGAGAGAAAATAAAATTATTTTCACAGGACCTGTCGGCGTAGGGAAAACCACTG CCATTGCGGCTATTTCGGACGAAGCACTCGTTCAGACCGATGCTTCCGCATCCGATATGA CTTTGGATAGGAAAAGGAATACGACAGTGGCGATGGACTACGGGGCCATCAGCTTGGATG AGGATACCAAAGTCCATTTATATGGTACGCCCGGTCAGGAACGGTTCAACTTTATGTGGG AAATCTTAAGCCAAGGCAGTATGGGTTTGGTCTTGCTTTTAGATAATGCCCGAACCAATC CGTTGAAAGATTTGGAATTCTTTTTACATTCGTTTCGAGGGCTGCTGGAGAAGGCACCCG TCGTTGTCGGTATTACCAAGATGGATATACGCTCTCAGCCCGGTATCGACGTGTATCACA **AATATCTTGCAAAACATAATCTTAATGTTCCGGTTTTTGAAATTGATGCCCGTAAGGAAG** ATGACGTAAAACAATTGGTTAGCGCAATGTTATTTTCTATTGATCCGGGACTGGAGGTTT **AATATGGAATCAACACTTTCACTACAAGCAAATTTATATCCCCGCCTGACTCCTGCCGGT** GCATTTTATGCCGTATCCAGCGATGCCCCCAGTGCCGGTAAAACTTTGTTGCACAGCCTG TTGAAAGCAGATGCGGACGAAATGGTCAGCAGTGAGAAGCTGCTTACTTGGGCGGACACC GCCGACATCGATACCGCTTTGAACCTGTTGTACCGTTTGCAAAAACTCGAATTCCTCTAT GGCGATGAAAACGGTCATTCAGACGGCATCAATTTGTCGGACGAGCAATTGCCGTTGCTG ATGGAACAATTGTCCGGCAGCGGTAAGGCGTTATTGGTCGATCGGAACGGTCTGTATCTT GCCAACGCCAATTTCCATCATGAGGCGGCGGAAGAGTTGGGGGTTGTTGGCGGCAGAAGTC GCACAGATGGAAAAGAAATACCGGCTGCTGATTAAGAACAACCTGTATATCAACAATAAC GCTTGGGGCGTTTGCGATCCTTCCGGTCAGAGCGAATTGACATTTTTCCCATTGTATATC GGTTCAACCAAATTTATTTTGGTTATCGGCGGCATTCCCGATTTGGGCAAAGAGGCATTT GTTACTTTGGTAAGGATTTTATACCGCCGTTACAGCAACCGCGTGTAAAACTTGGGAGAG AGGAGGGGTTATGCAGCAATTATTGATTTCAATCCTTGAAGATTTAAACAATACATCTAC GGATATTATCGCGTCTGCCGTTATCTCAACCGACGGATTGCCGATGGCGACAATGCTTCC TTCACATTTGAATTCGGACAGGGTAGGGGCGATTTCTGCCACTTTGCTTTGGGGAG TCGCTCGGTGCAGGAACTCGCCTGCGGGGAATTGGAACAAGTGATGATTAAAGGAAAATC AGGCTATATCCTTTTAAGTCAGGCGGGTAAAGATGCCGTGTTGGTGCTGGTGGCAAAAGA **AACCGGCAGACTTGGTTTAATCCTATTGGATGCCAAACGTGCGGCAAGGCATATTGCGGA** AGCCATATAACATATAAAGATTGCGGGCTTGCAGATAAAGTGCAATCGATTGTCAATTTA TATTGACACGTTCGGTATTTCTGTTTTATTATTCGCGCTTGTTCCCCGATAGCTCAGTCG GTAGAGCGACGGACTGTTAATCCGCAGGTCCCTGGTTCGAGCCCAGGTCGGGGAGCCAAA TTTCAAAACCCTCTAAGTATTTTCTTAGAGGGTTTTGTTTTACCGGCGGTCAGAAACGCA TTTTTGAGATGATTGTTTTGAGATGGAATAAAATCTTTGCAAAATTCCTTTCGTGATGGT **TATGAAAAATAGGGGCTGTCCTGGACAGCTAGGATAAACTCGATTTATAGTGGATTAA** CAAAAACCAGTACGGCATTGGCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTG AAGCACCGAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGGCTTCGTCGCCTTGTCC AGCCGAAACCCAAACACAGGTTTTCGTCTATTTCCGCTACCAATCACTCCCTAATTCTAC CCAAATACCCCCTTAATCCTCCCCGGATACCCGATAATCAGGCATCCGGGGTACCTTTTA GGCGGCAACAGGCGCACTTAGCCTGAGACCTTTGCAAATTTGTCGGTTTCGGGGTCGTAT TGGTAGCCTCGTGCCTGTATGTCTTCTTTGAAAGTTTCGTATACGTCGTGGGCTAAAAGG GCTGTTCCGACATAGGGAACCGCCCTTGTGCTGAATTTCGCGCCTAAGCGGGCAAGTTTG CCGACCCCGCCAATACGCCGGCGCGGGATACGCTGGCGGTTATTTTGGCGTTGATTCGG GCTTTTGCGCCCGTAGGGATGTGTTAAATCTACCGTTTTTATTAAATCAGATGAATAA GTTTTACTATTTTAGGTACAAACTTATGAATTTTCGCACCTTGTCCGGTATCAACTGAA ACAGTTTCAGATATTTTTACTGCATTTGCATTCGCTTCAAACGAATACATCATCAAAATT GCAATTATCGACAATTTCGCAAAATTCAAATTTGTATATTTTATGACCATCTTTCAGGGA TTCTTTAATTACCATTTCTGAATTATCAGAAAATGAGATTAGCCAAATATCATGTTTAAT TCTTCTATTCCAGAAAAAAGAGAAACAATCAATAACATTTTCAGACTTATTAATCTTCGC AAATTCAACAAATTCAGATTGCGCTATAACCGCCATCGATTGCCCAAAATACTTGCTGGA CGGCTGATATTTATAAAGTGCCAACTGCGCCTGAGTGATAAACGGCTTGTTCATGGTTCT GCCTTTCAATGATTGTTTTGAAAGCCTGATTTTGACACCATAACTTCATGCGCTCAATTC TTAAACAGAACCGCCCCGATTAATACGGGTACGGAAACGCCGAGATAAAAATAAAAATCC ATCATTTCAAAACCTTTTTCAGCAGGGAAACAAAGTAAACGGACGCGAGGATGCCGAATA CTATCCAGCCTGTTTCAAGACCGCTTTGCAGGTTGTCTTTCGGACTGCATTCCGCCAATA **AAAGCCTTAGCGGCTGACCGTCCGACATCTTCCACAGGCTGCCGTTATATTCCGGCCTGA** CAATCTGTCCGTTTTCTTTGATTCTTGGTACTACCAAGCTGAAATAAAGGTTTTCAGCCT GGTGCTTCTCAAGACATTTATTTCCGACTTGGTAGTACATGCCGTCTTACTTCATCACTC TCTTAACGATGGAAAATACAAAAAGCGCGGGGAAAATGCCCACTACAATCCAACCGGCTT CCATACCGTCCGCTTTTGCGGCTTCCAAAGCGTTTTTTGCCGTATCGGGCAACGTTGCAT TTGCATGTGCGGCCAAAGCCAGGGGAGCAGCTGTTACAACAGCCAGTTTTGCGCCGTATT TACGGCAGGTGTTAATAAATTTCATGATATTTTCCTTCAAAAAGTGTTTTGGCGGTAATGG ATGGAGCGTTTTTCAGACGACCGCCGAACATCCGAAAATCAGTCTTTCAAAAATCCGAAT ACGACAAATTCGTATTGGTTGCCGATTTCTTCCAAACCTGCGTTAATCGCTTCTTCGAAG . Tegtagaaataateggeattggtgattaatttggtatgteegatgtegeeegttteagga GAGAGATACAGAAAGTCCCCTGTTGATACGGACTGGACAACATAGACTTTCTGCATTCAA

TCAGCCTTTCTTCACGAGTTGAAAACCGATGACTTTCAGTTTTTGGGTTTTGCCCGTAGT GACGATTTCTACGTTCAGGTTTGCTTCGATCGGAAATTGGGCGTTTCGGAACTGCTCGAA ATTGGCAGAGCCGCCGAAATCGTATTCAGTAGTAGAGCTGCCCAATGCGTTGCCTTGGGA GCTGTCTAAGGGTGTGGCGACAATCAGGCAGCAATAGTCGAAGCTCTTGCCTTCGATTTG TCCGTTGATTTTTTTAACGCCGACGATGTGGCCTTGAAGTTGGATGTTCATTTTTTGGTT TCCTTGTGTGATTAAACGTCTTTCGGGCAGACACTTTAAGCCCATGAAATCGGTAGTCTT GCGAATTTGTCGTAAATGAAGTTGTTATAGCTTTCTTCATTGTTGACGTGTTTTTGCTGT TCAAGCTGTTTTTCAAGATTCTCGTAATATTCGTACATATAGTAAGGGTCTTTGTACGGT TTGAATGCGGGCTGTTCATGAATGGCTTGAGCTTTCAAAAAGGCGCAGTCGTAGGCTTCG GGAGCCAAAGACTTGGGCAGCTTGTGATGACTCGGCTCAATCAGTTCAAACAGTTTGGCT TTGTCCAATTCGGGAAAAATGAATTTCAGACCGTTTGCCGCACGTCCGAACTGTTTTTTT ACCCATTCAAGGTAGCGGTCGGCTGAAATGACCTTATCTTCCTTAACCGCGTGTATGCGC GTTGCCTTTTGGGCGAATCGTTCGCAAATCGGATATGCGCCGCCGAAATATTCGCCCGGA TTCTGCAAAACTTCGAAAGGGATAACGATGTCTTTTGCTTTGAATTCAATTTCAAATCGC GTCCATGTGCTTGTTTTATCGCCCAACTGCTTGCCTTTTTCATAGACGCGGACATATTTG GACGATTCACGGGAGCCGATACCATAGGTCTTGCCTTTGGTCATTTTGGCTTCATCGTCT TCTTCCCAATCTGACCCCAAACATTCGCCTTTTGGTTTGACGTGATGACAGGTAAACATA CCTTTATTTCGGTCTTCACGGGCTTGGTTCGGGCTGTATTCGCCGTTGAAAAAGTCTTTT GCGATGTCAACGCGTGTGATTTTTGGGCGGATTGCATTAGTCAGGAATGCGAAAAGTCGT GATTCCCAGCCTTCTTTTGCGACGCCGCAACCGGTGCCGGTCAGTTCGAAAAGAATGGTA TTTTGTTGGCCGCCAAAATGGACGCGACCGTATAGGGCGTCTTCCGAACCCATCAACCAA CAGCGCTCATAGAAACGACCGCCCGAACCTTTGGATTCTTTGTAGATACCGAAACCGAAA ACTTCTTCGGCGAGCATGGACGCGGCGCGAATAAAATCTTCGTCTTCCAAAAGACTTACA CGAACGCCGTATTTATCGAAAAAGGTTTTTTCATGAAATGAAAAGCTAATTTGATCAATG AAAGCCGAATCTGATACACCGCGCCGAAGAGGAACGCCTAACAGGTTTCCTTTACCGTCC GTCCCCCCTGTTAGATAAGGGGGGAAGATTTGAAGCGGTTGTCGGCTTCCTGCCGTCCG CTAGCGCGTCCGTCATCACGCCGGCAACCGCCTTTGTCATCCCTTGCTTATCTTCCATGG TGCGAATCCTCAAAAACGGGCAAAAAAAGCCCTGTTACTTGTAGAAAGTAAAGGACGTT AATTTTTGTTAATCGTCCCTTCTTAGGGACGCAATATATAAGGCCGTCTGAAACGGTTTT TCTGTTTTTAGACGGCCTCTTGGCTTAGACCTTGAGAACCGCATGCGTGCTTAATTTATT ATCTAATGAAAAAGTTTCCGGCTTTCAGACGACCTTTTGTAATATTATCGGCAGCGGCT CAATGCCAACTTTAAACCTGCTCCGATTTCTTCAGGGCTGTTATCCAATGATAAAATTAC ATCGTCTGCATCAATGGCATCCCACGCTTCCAGCTTGACATGGCGGCTCGGGCTGATTTT CAGGCAGCCGTTGTGCAGCCAAATATCTACGCTCATCATGTTTTTAAATAGGGCGCGTCT GGTTTTATAGCCCAAGTTCCCGCATAGCTTGGCAACCCAATCCTCATAGCGTTGCCGAAT TTTTTCGGTATCAAAAAATCTTGGTCTTCTGGACTGTCATAAACGAAAGTCCTGCTGTT TGCCAATGCTTGCAAGACCGTTGTGCCTAAAGTTTCATTGTCGGTATCCAATGGCAGGAT ATGGGGGGGATATAGGTGGTCTGGAGCATATCGCCCAAATCCTGACCATGTTTGAATAAT TTATTCGATCTCCGTAATTTTGACTGTAATGTTTTGACTTTTGCCATACTCTACCACACG TTGCAACTGCAATCTTTGCTCCTTATTAGTTTGTGCGGGTATGGCCAGATGGATTTCGCG CTGTTTGATCATGTCTGCCCTTAACGGTACTTCTGATAATTCATAACTTTTGAAATTTGC CGTCTTATCGATGTACCCTTTCATGGTACTGTAAAGCTGTTCGGGTTTGGACAGGCGTGC CGTAGTTTGCGTATCCAGAGTTTTGGCACTGATTGCCGTGCCTGTACCACGATCAAAATA ATCAAATGTTTTAAAATTTTTAGGTAACCTTGCATTGGCAGACAAGCCCTTACCGACATA ATCCTCCCAAGGCATTCCCTGTCCTTCAATCCCCTTGCCCCACTTGATACCGACTTCGGA TTGGGACAGGATATTTCGCTGTACGTCAGCAGTTTTCGGAGTCAAGGAAGTTTTCACACC CGTTGCCAAGTTTCCCAATTTGCGCGTAATCAGCGTTTCCAATCCCCATACGGCTAGATT TTTCGCATCAGATACTAACGGCGATTCGTATTCTATTGGTGTACCCAAAGATAGGACAAC TGTATAACCACCGGTCATACCTGCCGTTGCAATAAGTCCACCGGCCGCACAGCCAATCCC GGTACTGCACAGACCTCCGCCTATAGCACCCGAACCGACAAAAGTCGTTGCACCCAATCC CATATTGCCCGCACCCTTAATTTTGGTGGCAGCACGGTCGTAACTGCTGCGTATATCATT CAGGCTGTTCCATGTTCCATATTTAAATGCATCCGTCCGCATCAATACGTTTTGTTCCGC TACAAACTGTTTACCGGCATCTTGGAGGTTTTTTAGTCCTTTATAAAGAGGGTCGAAGTC AGGTACGCCTTCCGCGCACCGGGTTAATGCACATGCAGCGGCTTTTAGGCGGTACTGTTC ATAGCCGATTGCCGCCCCGCCCCGTGCAGTATGCTCCTGCCTATGCCGCCTTCTTTCCAG GTGTCGTAGCGGCTTTGGTTTTCGGCAAGATAGGCGTTTACTTGGCCGAGGGATGCGCGG AAGGCGGCTTTTTCGGCTTCGCTGTCCGTGTTTTGCAGTTCGGCCTCCAGCAGGGTTCGG GCTTCCTGATACCGTTCGTAACTTTGGGTATTGCCGAGTTTGTCGGCAACGGCCGCTACG GCTTGGGTGGCGTTTCTGCCGAACTCCTTCGTTACTTCCCTTTGCAGGTTGATCTCTTTG GCGACCGCGTCTTTGTCGAAGCTGTTTTTCAGACGGCCTGAGTGTTGATCCGCAGTTTCG AGTTGTCCCGCTTCGTCGGTGATGTGTATGTTGCGGGTGTTGATGCCGCTTTTCGTGATG CTGCTTTGACTGTCGCTGTCGCTGCCGTAGCCGGCTGCCAGGCTTATCCTGTCGGTAGGT CTGCCTTGTTGTCGGTAACCGTGCCGTCCCAGCCGCCGTTCAGGTCGAAACTGCCGCCT ATGCCGAAGCTTTTGCCTTCGTAGCGGCTGTGGTTTTGAATGTCGCTATGGGTGAGGGTG GCCGTCTGAAAAAGGTTTTTGCCCTTATCTTCTGCGCTTTGGCTAGACGTGATGATACCG CCCTTGAGGTCTGTGTTGTCTCTGACTTTGATTGATAGCCGTCTTCTCCGGCATAAATA CCGCTTTGCTCGGTTACCGAAGCATGGTCGGCTCGGATTTTGCTTTGGCTGTAATCGCCA TAGGTTTCAGTATCTTGAACACTTTCTATATGCAGGTTGCGCGTATCTGCCTGTATGCCT

TTGCCGATGAGCTGCGCACCTTTGAGGGTGGTATCCCCGCCGCTTCGAATGGTAGTTTTA CCGGTTGTGCTGCCGACATGGGTGTGGCGGTGGGTTGCTTTTGTCTGATTGCTGTGGTGG CTTGTTGAAAGAAAGGCTGTCTGAAACGTATTTGTTGTTTCAGACAGCCTCCTGGCTCAA ACCTTGAAAACTACATATGTGCGTTCCGCACATCCTACGTATTGAGTTTAGGTTTCACAT GAGCTACGGCTTGCTATGCCGTCTTTTTTCCAGGTGTGGCCGCGGCTTTGGTTTTCGGCA AGGTAGGCGTTTACTTGGTCAGATGGCGGATTTTTTGTTCGTCGTAGATGATGGAGACGC TGATACCGGAGTAAGCGTAGATTGGGTCTTGACCTCAAACCTACACTTGTTTTACATAAA ATTTCGTGTCTCTATTTGAAAAATCTAAATAACAACATTCTACTTTACCTATTGAATTGA TTATAGTTGAAACAGGAATATTAAGAAGCCTAATACCCAAATCATCAATTTCAAAATCAT TAATTCCACTCTTATAAAGATAGCTTATTATTTCATCATTAATTTTTCCAAGCCAATTAA AAGAAATATCTTCTAAAAAAAACTTATTTGGTTCAAATATCTCTATCGCTTCAAGCTGAT TTTTATCATCATAAAAACAATGGATATTCAATTCGGGAAAAACATCCATAGGAACCCGAG AGTATGATGACTTATAAATTTCTTGTACATCAGAACTAAATATTGCACGAACTTGTTTTC CCATAATTTTTTTGCCTAAACAATATTACCATTTTCGTAAGATGCATAGAACAAACCATG TCTTATCCATTTGTTCCATCGGCAGACAGATAACGACTATATCTAAATTTTATTTTTCA CTCTCATAAAAAATTTTCTGCAATATTCAATATATTTACTTTCTTAACCATAGCGTAAAT TCCTCAGGCTTATATATTTCAGTATAAGTATGACTTAAAGGATATGACGCCGCGTGTTAC GAGTTGCTTCTTTTGATTTCAGGGTTTATATAAGTTATGGCTTGCCTGGGCTCGAAGTGA TAAAGAGAGTATTTACTTTTCAACTATAAAAATATGAGATAGTTCCATGGGAAAACCGTA ATTTAAGTTTTAATAAAGCACCTTCTAGGCGATATAAAAATTTTCTATAATTTTCATTTG GTTTATATTATATAAGCTGTATTTCAATAGTCTCATAGCTACTTTCTCCAAAATCTT ACAAATGCTCGTTATCCCATTTTAAGTGATCAGAAATAGTTAATATGAGTATTCCGTTTT CAATAGAGGCTGAATCAATTACATTCTCTTCCAAAATAGACATTATCTTTTCCTTTCAAT TATAACTTTAGTAGGTTCAATTTTGGTCCCCTTTGGATAGCCCGGTTTTCCCTTACCGAC CACTGTTGCTCCCGTTCTTTCAATTTCAGGAAAAGCTTTTTTCTGATTTTTAGTAAGTGG CGCAGTTATTGAAGCCTTACACTCTGTACAAACATCAAGACCACCTTCTTTCGAAATAAT ATCAAGCCTAGTTTTTACACCACTTTTTGTTTTTAACTGTAATCTGTCTTTTGCGGTTTAAA GCCTTGTTTAACTTTCTTGATAAATTTCCATCTCAAAATCCTCACCAGATTTTTTATT TTTTTCCAGTTGATCTTTACGATTTTTATGTTTGATTCCCTTGCTAGCCAATGCCGTATC CGGAATCCTGTCCCCCTTCGCAACATTGCCGTTTGCAGGGATACGGATATTCCCCGCACC CGCCAATAAGGGATCGCTGCCGGTAACTGTCGGCTTGATGTTTTTCAGGTTGCGGATGCC TGCAAGAATCGGGACTTTTATCCTCGGATTGGGGTTGACAAGGCTCGTCAGTCCTTCGGC CCCGCTGTGCAGCCAGGTCAGGTTGCGGTATTCGGGTTTTGTCCTGTCGGCGGTATTCCTC AAACAGCTTCGGATCGTTGTAGGTTTGCGGATTTCTTGCGCCGTAGTCGCGGTAGTCCCA AGTATAACCCAAGGCTTTGTCTTCGCCTTTCATTCCGATAAGGGATATGACGCTTTGGTC TGCCGCTTCTTGGCTGATTTTTCTGCCTTCGCGTTTTTCAACTTCGCGCTTGAGGGC TTCGGCATATTTGTCGGCCAACGCCATTTCTTTCGGATGCAGCTGCCTATTGTTCCAATC TACATTCGCACCCACCACACCACCACCACCACCACTTGCATAGCCGATGGCCGCACC GCCCAGTGCGTTGACCGCCGCTTTGCCCGCCGGACCGAGGTTTTCCGCCGCTTTGTCCAA ATACGGTGCGCAAGGGAAGTGCCGCCGCCGGCCAGTATGCCGCCGAGGCTGCCGGTCGT CAGTCCGCCTGCCCCCGTGCAGTATGCTCCTGCCTATGCCGCCTTCTTTCCAGGTGTC GTAGCGGCTTTGGTTTTCGGCAAGATAGGCGTTTACTTGGCCGAGGGATGCGCGGAAGGC GGCTTTTTCGGCTTCGCTGTCCGTGTTTTGCAGTTCGGCCTCCAGCAGGGTTCGGGCTTC CTGATACCGTTCGTAACTTTGGGTATTGCCGAGTTTGTCGGCAACGGCCGCTACGGCTTG GGCGGCGTTTCTGCCGAACTCCTTCGTTACTTCCCTTTGCAGGTTGATCTCTTTGGCGAC CGCGTCTTTGTCGAAGCTGTTTTTCAGATGGCCTGAGTGTTGATCCGCAGTTTCGGTGTC TCCCGCTTCGTCGGTGATGTGTTGTTGTGGGTGTTGACGCCGCTGCGGGTGGTGCTGTT TTTGCTGTCTCCGTCGCTGCCGTAGCCGGCTTGTCCTGTCGGTAGGCCTGCC TTGTTTGTCGGTAACCGTGCCGTCCCAGCCGCCGTTCAGGTCGAAACTGCCGCCTATGCC GAAGCTTCTGCCTTCGTAGCGGCTGTGGTTTTGAATGTCGCTGGCAGTAAGGGTGGCCGT CTGAAAAAGGTTTTTGCCCTTATCTTCTGCGCTTTGGCTAGACGTGATGATACCGCCCTT GAGGTCTGTGTCTCTGACTTTGATTTGATAGCCGTCTTCTCCGGCATAAATACCGCT TTGCCCGGTTACGGAGGCATGGTCTGCTTTGACTTTGGCTTTGGCGGTAACTGCCGCTTGC ACTGAATCCGTAACCGACAGTAACTTGGACATTGCCGTTTTGCTGTTTGCTCTGATAGGT TTCAGTATCTTGAACACTTTCTATATGCAGGTTGCGCGTATCTGCCTGTATGCCTTTGCC GATGAGCTGCACACCTTTGAGGGTGGTATCCCCGCCGCTTCGGATGGTAGTTTTGCCGGT TGTGCTGCCGACATGGGTGTGGCGGTGGGTAGTACTTCCCCCTTGCTCTTTACCTTTACC GATATTTCCTCCGGCGGTAATTCCAAACCTGATGCCGTTGCCTATTTTGACGGCTACGCC TGCATTCCAACCACTGCTTTTGTTTTTGCTTTGCTCGCTGCCGTCCTGTTTGGCAGATTG GAGTCTGATATGGTTGTCGGCAATGAGGGCAGTACCTGCATGGCCGATGACATCGGAACC TGTAATATTGATATTGGACTGCTCCCCACTTCCTGTTGCCGCAAGTGTGGGTTTGCCCTTT GCCGATAATTTGACTTGCTGCCGCTTCGGTGTAATGTCTTTTTTGCTCGTTACGACTTTT CTGTTCGCCGTAGGTAATGGACACACTGATACTGGGGCTTTGATTGTTTTTGACCTTG TCCCGCACTGCTTGGAGCAAATTGTTGCATTTGTTGGGTTGCTTGATAACTCTGCCA TGCAGCATTGGCTGCAGCCATGGCATTAACGCGTTTATTTTTACTTTTGCCCACATTTTG GGCTGCTTGTATGAAGTTTTGTGCAGCTTGGACAACCGGGACATTGAGGGCGACGGTAAG GCCTTTTTGTTCCTGGGTATGGGCGTAGTCAGTGGCATACCGGTTGTTTGCGAACTCTAC ATCTATGCTTTTGGCTGTGACGGTATTGCGCCCCTCGGGGCTGGAGACGGTACTGCCGGT . TTGTCGGTAGCGGTTTCCTGCAACTGTAACGGTGTCTCCATTCAGGCTGCCTATAATGCT GCCTGTATGGACAATATTGGTACGATCAGTGTCATCGGTAGTTTTCCGGTTACCGATAGT

AAAGCCCAATCCGCCAGTACCCATGACGCCTGATTTTTTGCTCTCGTGGTATTCATTGCC GGTATAGCGATTATGGGCAGTAGAAATATCGATGTCGTGTCCTGCTTTTAAAACAATGCC CTTATCAGAAATAAGGTTGCTGCCGCGTACATTGATATCCTGCCCGGCTGCAACAATCAT TTTGCCGCCGCCGATGTTGCTGCCGACTGCTTCATCATGACTGAAGCGGTAGCGGTCGTG TGTTTTGGTACTGGAAAGGATGCCTTTGCTTTTTCCGCTTACCGAGGTATCCAGTTCGGT TATTTGGCGTCCTTCGCTGATAGTGACATCACGTCCTGCGGCAAGGACGGTTTTGCCTTC TTCGGCCTCCAGTTCGCCTTGGCGGATTTTTAAGTCGTTACCGGCTCTAAGCAGTGCGCC GTTTTGCGTGCGGATACTGCCGACTTCGGTACTTTGGCGGACATGGCGATGGTTCTC GTCATCTAATGTACCATAGGCTTCGCGATGTTCGGTACGGATGGTGCCGAGGTTGAGATT ATTGCCGGCGGTAATTTGGGTAGTGCCGTCTTTAACTTGGTTAGAGACGGTGGCCGCATT GAGGTTGATATCGTTGCTGGCATGCAGGGATAGGATGCCGTCTGAAGTTCTGTTATCTAC GTTACGTTCATTACCGGAAGTTTGGGTTGTACCGTTAAGGTTGATATTTTGCGCTTGGGC AGTCAGCAGTCTGCCTGCTTGTACCTGCCCGCCGTCGATATTGATACTTTTTTCAGCTTT TAAGCCGATTTGGTCGGCTTGAATGTTACCGTTGCTGTTAATATTCCGTGCCTGGATGAG TACGGCCTGTCGCCCGCAATGGTACCGCTGTTAGTCAGGTTGCCGTTTTGCAGTTTAAG TAAGACTTGTTCGGCACTAATCAGGCCACCGGAGGTATTGAGATCACCTTTGCGCGCCAG GGCATAGACTTTAGGAACCAGTACGGTTTGAGTCGAACCGTCAGACAGGGTGACGGTTTG ATTTTCCATCCAAACGATATCTGAAGTTAAGCGGGCAACTTGCTCTGCACTCAAGGCGAT ACCTGGGGTGAGACCGAATGTTTTGGCAGCAGTAAGGCCGTTGTCCATCAGAGCTTTGAA TTGTTCTTCATCACTCCTGTAGCCGTCGAGTCGGCGGTAGCCTGTTAACTGATGGATTTG TTCATTAACAAGTTTTTGTTCGTAGTAGCCGTCGCCAAGCCGTTTGTGTAGATGATTGGT GTCCAATTGCAGTTGTTGCAACATGTAGTCGCTGCCCAACCAGCGGCGGTAGTCTGCAAA TTGAGGATCGGTTTCAACCAACCAGCCTTTATTGTCAGGATGGGTGGTATAGAGGCTGCT GTTAGGCAGAGTAACAGTAGCGTTATTTAACGAGACCACATTACCGGTATGGATGCGCTG ACCATTGACGGCTGCCGTGGATACTCCGTCAATCAGTTTGATTGCAGATGCGGCGGGTTG AAAGGAAGGGGAGGCGCATTCTGTTGGATGACGGATACAGGCGTGTCGAAGTCGTGGGT **AAATAGTTGGGTATCATGGTAAGGAGTATGGTTTCTTTCAGTACGGCGTTGTCTTTTTCT** ACCGCTGTACCATCCTTTTTTTGTAACTGAATCCCACTGTGTGCCGACAGCATCTGTGCG ACCTTTGCCTGTTGTACTTTGATTGGTAATTTCTTTCTGGTTTAAATCATCAGTGATAAT ACGCCCGCCTACTACAATCCGGCTGTCTTTGTTCAGCCAATTTTGACCTGAGGCAGTCAA ATCACCGCCCACAGTAATGTGTGCCGGCCGGTTTTCGATGATGCGTTCTTTATAAGTCTC GATGTGGTAGTCTCGGACATGCCATTGGTTGGCCTCAATACGAGAACCATTTTTTAAATG GAACGTAGCAGTAGTTTGGTCTTTTTGTCCTTGCGAGTTGTCGAATAAACCGTCTTTTCC CGCCTGATAGTAGGTATTTTGCCCCAGTACGGTGTAGTCGCGGACTTGCTTTTCCGCTTT GGCTAAGTATGTCTCTGTTTTAAAGTGATTATTGATATTCTGCATATTCCGAACGGACAT CAATGCATCACCTTGTACTTCCAAACCGGCACTGCCATTAACAAAGGTATCGGCCATGCC TGCCGCATGATGTTCATCCAGTCGATTACCTACGGCAAAAATACCTTCGCTGGATAG TAGGGCACCTTCTTGGTTATGAATCTCTTTCGCTCCAATATCCAAACGTTTCCTTGCAGC TATTGCCCCCGCTTTGGTACTGCCTTCCGTCGTTTCTTCCCGGTTAAGCAGTATTTGCGC GTCCAGGGCAATATGGTTGCCATAGATTTTGCCTGTCCCGGTGTTGGTCAGGGTTTGACC TGCACCGATGTGGGTCAAACCGTCGCTGTTGATCAAGCCCCTGTTGTCAACATGCTGTTC ${\tt GGATGTGATGTCCGTTTGTTCTCCACCAATAATTTTGCCTGTAACTTGGTTATCTATATT}$ GCCGGCATTGAGTTTGAGCGTATGGCCTGCTTGTAGGGTATGGGTATTTTTCAGACGGCC TTTTATGCTTAGATTTAATTGTTTGCCTGCAGTGAGGTCGCGCTCTACGACGAAATCGTC CGTCAAAGCAATATCCAGTTTGTTACCGGCTGTTAATGTGCCATTGTTGGCGAGTGATTT GGCTTGTAGCGATACATTACCGGCAGATTGAATCGTGCCATCCGCATTGTTTAACGCCAA AGTGTTTTGATTTTTATCGTGAATAGACAACTGCCGGTTGGTGGCAATTTCACCATGTTG GTTGTATAGGCCGTCTGAAACAGCTAATTGTGCTTGGTTTGCAGATAGGAGTTTGCCGTT TTGGTTGTCTACATTTCGACTATTGATAGTCAGTTGTTCGGTAGCAGTAATATGGCCGCT TTGGTTAGTCAGTTGCTGACTTTGGATGTTAACCGTTTCAGCCTCTATACGTCCGCGCGT ATTATCTAGAGTCTGACCTTCGGTATTCAGTCGTGCAACAGAAACTTTTCCTGTATTGCG AAGATTATTCTTGGTGGTAACGGTTCCACTATCGGCAAGAATGTTACCTGCATTATGTAA ACCGGCGGTATCAAGCTGTAAATGTGCAGCTCGAATATTGCCTTTTTTATCATTGCTCAA GCGGCCCGAATGAATGAGTGTCAGATTGTTGGCGGCAATTTCTCCGGCATTATGCAGTTC ACGGTTATCAATCTTGCCGGTTTGAGTTAATAAGTGACCGCTGTTTTTAGCAGTTTGAGT GTTAACAGCCAGATCGTGTGCCTGGAGTTTGCCTTTTACCGTATTGTTAAATGAATCGCC TGATACTCGTAGTTTAGCCGCATTCAGACTACCCGAATTTCCCAAACCGTTTTGGGCGGC AATGTCAATTTGCCCACCCGCATTAATTGATCCTGCATTGTCAAATGCTCCTGTTGTTTG AATGCGTCCTACGGCGTAGTTTTTTGCAGGTGCTGTAGGTGAAACGGGATTGTTTGAACC AGGCTTAGATACCGAGACAGTGCTGCTGCCTGAACCTGTTGCAGTACTCGGAATCTGTGG TATGACTGATGGATTGGGATTCAAACCGGTCTGTGGAACGTCACTTACACCAATCTTGCC ACTGTTATCGAATTTGCCGGCAGATACCAAATCCAATGCTTGTGAACCTGTTTGAGTAAT ATTACCTGTGTTATCCAAACCACCTGTTGACATATCTAAGCGGGCAGCCTGGATCGTACC GTTGTTTTGGTTTTTCAGACGGCCTAAATTACGAACAGTCAATCGACCTGAGGATAAGAC CGTACCTGAATTGTCCAGCGTCTGGCTGTGAATATTGGCATCATCCTGTGAGGCAACCGT ACCGCTATTATGAACATTGCGGGCATGAAGTGAAACCGCATGATTTTCTCCCGTCGCTGC **AATCATGCCCGTGTTGACCAGTTTACCCTCAGCATTCACTGCCACATTGCCGGCTGAGGC AAACCATTGCCCTTGATTACGAATGCCTGCTTGCTCGACCGTACTGATCAAGGTGATTTT** GTTGGCATACATACCTCCTAATTTGCCTGTATCAATCGCAAATAAAGGGATATGTGTGCC GTTGTTGGCTGTATTGTTTGACGTATTGGCAGCAGCATTATTGAGAATAGGCGAATGTGC ATCACCTGTTGCGGCCACATCGTTTTGTCCCGCGACGACACGAACATCTTGTCCCCATAC GGGTGCATCAATTTTGGAATGATAACTGAGAATACGTGTGTAATCGGTATCACGTGCATC - CAAACCGTGTCCGGCGATTACAACATTGCCTTGCCTTATCTTAAAGCCGCTAAGGTCTCC TGCTTGATATTGCGGTTGGGCTGTCGTCAAAGTGGCACGGGAAGCATTGATAAAACCACC ACCATTGACTGCAATCCCTGCCGGATTGGCAATAACGACTTCTGCACGTCGTCCGCCCAC TTCAATATAGCCATTCAGTTGTGAAGAATGGCTGCTGTTGATTTGGTTTACAACCACACG TGCTTCGCCCCTTGCCAACCAAGGATTGCCTTGAATCCAACCGCCTAGCTGTTTTGGGT GTTGCTGCGACTGTTGTTTAAAATCGCCCCGCGATTACCCACATCAAACTGGGCGTATTG ATTAACAGAAACCCCTGCCGAAGTAGGGGTTTGAATATTGACTTGCGGTATGCCGTTACC TGTTTGCAGGATGGTAGGCTGTTGCTGTGCAGGTGCGGATTTGTCGGCAACGATACCTTG GGCAGTAGCAGAAGAAGTCAGGATAAGGGCAGAACCGAGCAGTAATGAAAGGGAGAA TGAGATAACAGAGATAGAATGGATAAAACCCGCAAAGCCCGCAATATCATTTGGCAAAAT ACCTACAGCTTGGGTGTCGGCTGTTTTTTGCCCTCGCGTTTGGCATTTTCAGCAACGGC TATCATGCAGTTTCGATGTTTGTTAAATACAACTTTGTACAGGGTGCGGTTCATAGTAAG GGCTTTCTTAATAATATTTTTATAATCGTAAATTAGATTAATTTTTAGGGGCTGACGTAG ATTAACAGTTATGCCAGGCTACGAAAATAAAGATAACCAATTGTAAATTAAACAATAGAG TTCAAAAGAAACTGCTTGAATTTTTCGTACTCCAAGCTACCGCCCGTTCCGCTGCCGATA TTTTGGGTATGGCGCTGCGGGCAATTTCCGTTCCCACTTCGGCGAGTTGGCGCATAATGG AACGCTCGCGCACGATTTCGGCATGGCGCCGGATGTTGGCGGCAGACGGAGTATTTTGCG CCAGCGTAATCAGATATTCGAATCCCCCCGCCGCTTCCAGCTCTTCGTTCCGCTGCAAAT CTTCCTGAACCGTGATGACATCGGCAGGACGGCTCTCATTGATCAGTTTGGCAATGGATC GGAAAATCAGGCGGTGTTCGTGGCGGTAGAAATCCTCTCCCGAAACCACATCGGCAATCC TGTCCCAAGCCGGATTTTCCAGCATCAACCCGCCCAAAACGGATTGTTCCGCCTCCATTG AGTGCGGCGGAAGCGATAATGAGCCGATTCCTCCGTCTTCAGACGGCATGGCTGTAAT CGTTCATGGTACATCCGACAAAATTGCAATCTTCTATTGTAGCGTAAAGCAGGTTCAATT GGTTTCCGTACCGCAAAACAGGTAGAATACGCGAGTTGCCGGGTTAAATACCTTCCTCAA CCATCACAGTTAACATAGGAAATAATTTGGCAATCTGAGAATCGGCTATCCACCTGTTTG TCCCTTCAGTCCTAAGCATACCTGAATCTTTAACCCAAATTGTTCCATCCTTGTCCTTAA CAGGATTTTTGGCCCCATTATCTTTAGCCACATCTTCAAATCCCCAACGTTCCTCTACGG CTTTTTTCAGAATATTCAGCCTATGGGCTTTAGTCACGTTCTGACCTTTTGCAATGAGCG AAGCGATATATGCTTCCGCCCTGACCCGTATCGTTCCGGCTTCCAAATCAGTCATTCCGG CAAAAAGTTCCGATTGATTTTCAAGAGGGATGTCTTTCGACCCTATTTTATGTAGGATTG AGAATGTAAAACCTACAATTTTTCGTCCTTCTTTATGCTGCTCGTAGGTAATGGAAATAT CCGTTTTATCATTGATCTGCTTGACGGCGAAATCCAAAACCTTACGTTTGAATAGCTCCA TTTTTTGATACTCGTCAGGCATCATACCCAAACGTTCGCGCAACTCCATTGTACTGAACA TCGGTGTCTTACCGGCTGCACGCCATGAAATAATATTCGTAGAGCCGCACCGCGTATT TACTGCTCAACGATGAGACCTGATCAAGCTCGTAGCTTGTGAAGTTTTTTTCTAGCATCG TAATCAAAGGGGCAACATTTGGTGCAAAAACTAACTCTACCGTTGCCTGTTGTTCAATAT AGGCGACTTGAGATACCCACCTTGTCCGTACTACCTTTTCCCCTTTTGGTGTTTTTTCGA TAAAACTGAATTGGCGTTCAAAAAGGTTGTTACAGGCATCTTTCAAAGCCTTATACGCCG TATTACGGTTGGTATGGAAATTATTAACGATGCAGAACTTATCCGTTCCATGCAGCGTCA GCAGCACATAGATGCTGAATTGTTAACTGATGCAAATGTCCGTTTCGAGCAACCATTGGA GAAGAACAATTATGTCCTGAGTGAAGATGAAACACCGTGTACTCGGGTAAATTACATTAG AGCTTTTAAAACTGGGATGTGTTTAGGTTCCAATAATTTGAGCAGGCTACAAAAAGCCGC GCAACAGATACTGATCGTGCGTGGCTACCTCACTTCCCAAGCTATTATCCAACCACAGAA TATGGATTCGGGAATTCTGAAATTACGGGTATCAGCAGGCGAAATAGGGGATATCCGCTA TGAAGAAAAACGGGATGGGAAGTCTGCCGAGGGCAGTATTAGTGCATTCAATAACAAATT TCCCTTATATAGGAACAAAATTCTCAATCTTCGCGATGTAGAGCAGGGCTTGGAAAACCT GCGTCGTTTGCCGAGTGTTAAAACAGATATTCAGATTATACCGTCCGAAGAAGAAGCCAA **AAGCGATTTACAGATCAAATGGCAGCAGAATAAACCCATACGGTTCAGTATCGGTATAGA** TGATGCGGGCGGCAAAACGACCGGCAAATATCAAGGAAATGTCGCTTTATCGTTCGATAA CCCTTTGGGCTTAAGCGATTTGTTTTATGTTTCATATGGACGCGGTTTGGCGCACAAAAC GGACTTGACTGATGCCACCGGTACGGAAACTGAAAGCGGATCCAGAAGTTACAGCGTGCA TTATTCGGTGCCCGTAAAAAATGGCTGTTTTCTTTTAATCACAATGGACATCGTTACCA CGAAGCAACCGAAGGCTATTCCGTCAATTACGATTACAACGGCAAACAATATCAGAGCAG CCTGGCCGCCGAGCGCATGCTTTGGCGTAACAGACTTCATAAAACTTCAGTCGGAATGAA ATTATGGACACGCCAAACCTATAAATACATCGACGATGCCGAAATCGAAGTACAACGCCG CCGCTCTGCAGGCTGGGAAGCCGAATTGCGCCACCGTGCTTACCTCAACCGTTGGCAGCT TGACGGCAAGTTGTCTTACAAACGCGGGACCGGCATGCGCCAAAGTATGCCTGCACCGGA AGAAAACGGCGGCGATATTCTTCCAGGTACATCTCGTATGAAAATCATTACTGCCAGTTT GGACGCAGCCGCCCATTTATTTTAGGCAAACAGCAGTTTTTCTACGCAACCGCCATTCA AGCTCAATGGAACAAAACGCCGTTGGTTGCCCAAGATAAATTGTCAATCGGCAGCCGCTA CACCGTTCGCGGATTTGATGGGGAGCAGAGTCTTTTCGGAGAGCGAGGTTTCTACTGGCA GAATACTTTAACTTGGTATTTTCATCCGAACCATCAGTTCTATCTCGGTGCGGACTATGG CCGCGTATCTGGCGAAAGTGCACAATATGTATCGGGCAAGCAGCTGATGGGTGCAGTGGT CGGCTTCAGAGGAGGGCATAAAGTAGGCGGTATGTTTGCCTTATGATCTGTTTGCCGGCAA GCCGCTTCATAAACCCAAAGGCTTTCAGACGACCAACACCGTTTACGGCTTCAACTTGAA TTACAGTTTCTAACCTCTGAATTTTTTACTGATATTTAGACGGTCTTTCCTTATCCTCAG ACCGTCAAACTTTACCTACGTACTTGGCGCGCAGTACGTTCATCTTCAAAATGGAATAGA CATGAATAAAGGTTTACATCGCATTATCTTTAGTAAAAAGCACAGCACCATGGTTGCAGT ACTGAAAACTTCAGGCGACCTTTGCGGCAAACTCAAAACCACCCTTAAAACTTTGGTCTG CTCTTTGGTTTCCCTGAGTATGGTATTGCCTGCCCATGCCCAAATTACCACCGACAAATC AGCACCTAAAAACCAGCAGGTCGTTATCCTTAAAACCAACACTGGTGCCCCCTTGGTGAA TATCCAAACTCCGAATGGACGCGGATTGAGCCACAACCGCTATACGCAGTTTGATGTTGA CAACAAAGGGGCAGTGTTAAACAACGACCGTAACAATAATCCGTTTGTGGTCAAAGGCAG TGCGCAATTGATTTTGAACGAGGTACGCGGTACGGCTAGCAAACTCAACGGCATCGTTAC

CGTAGGCGGTCAAAAGGCCGACGTGATTATTGCCAACCCCAACGGCATTACCGTTAATGG CGGCGGCTTTAAAAATGTCGGTCGGGGCATCTTAACTACCGGTGCGCCCCAAATCGGCAA AGACGGTGCACTGACAGGATTTGATGTGCGTCAAGGCACATTGACCGTAGGAGCAGCAGG TTGGAATGATAAAGGCGGAGCCGACTACACCGGGGTACTTGCTCGTGCAGTTGCTTTGCA GGGGAAATTACAGGGTAAAAACCTGGCGGTTTCTACCGGTCCTCAGAAAGTAGATTACGC CAGCGGCGAAATCAGTGCAGGTACGGCAGCGGGTCGCACTGGGCGGTATGTACGCCGACA GCATCACACTGATTGCCAATGAAAAAGGCGTAGGCGTCAAAAATGCCGGCACACTCGAAG CGGCCAAGCAATTGATTGTGACTTCGTCAGGCCGCATTGAAAACAGCGGCCGCATCGCCA CCACTGCCGACGGCACCGAAGCTTCACCGACTTATCTCTCCATCGAAACCACCGAAAAAG GAGCGGCAGGCACATTTATCTCCAATGGTGGTCGGATCGAGAGCCAAAGGCTTATTGGTTA TTGAGACGGGAGAAGATATCAGCTTGCGTAACGGAGCCGTGGTGCAGAATAACGGCAGTC GCCCAGCTACCACGGTATTAAATGCTGGTCATAATTTGGTGATTGAGAGCAAAACTAATG TGAACAATGCCAAAGGCCCGGCTACTCTGTCGGCCGACGGCCGTACCGTCATCAAGGAGG CCAGTATTCAGACTGGCACTACCGTATACAGTTCCAGCAAAGGCAACGCCGAATTAGGCA ATAACACACGCATTACCGGGGCAGATGTTACCGTATTATCCAACGGCACCATCAGCAGTT AAGCTTCAACAGTTACCTCCGATATCCGCTTAAACGGAGGCAGTATCAAGGGCGGCAAGC **AGCTTGCTTTACTGGCAGACGATAACATTACTGCCAAAACTACCAATCTGAATACTCCCG** GCAATCTGTATGTTCATACAGGTAAAGATCTGAATTTGAATGTTGATAAAGATTTGTCTG CCGCCAGCATCCATTTGAAATCGGATAACGCTGCCCATATTACCGGCACCAGTAAAACCC TCACTGCCTCAAAAGACATGGGTGTGGAGGCAGGCTCGCTGAATGTTACCAATACCAATC TGCGTACCAACTCGGGTAATCTGCACATTCAGGCAGCCAAAGGCAATATTCAGCTTCGCA ATACCAAGCTGAACGCAGCCAAGGCTCTCGAAACCACCGCATTGCAGGGCAATATCGTTT CAGACGGCCTTCATGCTGTTTCTGCAGACGGTCATGTATCCTTATTGGCCAACGGTAATG CCGACTTTACCGGTCACAATACCCTGACAGCCAAGGCCGATGTCAATGCAGGATCGGTTG GTAAAGGCCGTCTGAAAGCAGACAATACCAATATCACTTCATCTTCAGGAGATATTACGT AACACATCAGCATCAAAAACAACGGTGGTAATGCCGACTTAAAAAACCTTAACGTCCATG CCAAAAGCGGGGCATTGAACATTCATTCCGACCGGGCATTGAGCATAGAAAATACCAAGC TGGAGTCTACCCATAATACGCATCTTAATGCACAACACGGGGGTAACGCTCAACCAAG TAGATGCCTACGCACACCGTCATCTAAGCATTACCGGCAGCCAGATTTGGCAAAACGACA AACTGCCTTCTGCCAACAAGCTGGTGGCTAACGGTGTATTGGCACTCAATGCGCGCTATT CCCAAATTGCCGACAACACCACGCTGAGAGCGGGTGCAATCAACCTTACTGCCGGTACCG CCCTAGTCAAGCGCGGCAACATCAATTGGAGTACCGTTTCGACCAAAACTTTGGAAGATA ATGCCGAATTAAAACCATTGGCCGGACGGCTGAATATTGAAGCAGGTAGCGGCACATTAA CCATCGAACCTGCCAACCGCATCAGTGCGCATACCGACCTGAGCATCAAAACAGGCGGAA AATTGCTGTTGTCTGCAAAAGGAGGAAATGCAGGTGCGCCTAGTGCTCAAGTTTCCTCAT TGGAAGCAAAAGGCAATATCCGTCTGGTTACAGGAGAAACAGATTTAAGAGGTTCTAAAA TTACAGCCGGTAAAAACTTGGTTGTCGCCACCACAAAGGCAAGTTGAATATCGAAGCCG TAAACAACTCATTCAGCAATTATTTTCCTACACAAAAAGCGGCTGAACTCAACCAAAAAAT TTCCAACCCTGCAAGAAGAACGCGACCGTCTCGCTTTCTATATTCAAGCCATCAACAAGG AAGTTAAAGGTAAAAAACCCAAAGGCAAAGAATACCTGCAAGCCAAGCTTTCTGCACAAA **ATATTGACTTGATTTCCGCACAAGGCATCGAAATCAGCGGTTCCGATATTACCGCTTCCA** AAAAACTGAACCTTCACGCCGCAGGCGTATTGCCAAAGGCAGCAGATTCAGAGGCGGCTG CTATTCTGATTGACGGCATAACCGACCAATATGAAATTGGCAAGCCCACCTACAAGAGTC **ACTACGACAAAGCTGCTCTGAACAAGCCTTCACGTTTGACCGGACGTACAGGGGTAAGTA** TTCATGCAGCTGCGGCACTCGATGATGCACGTATTATTATCGGTGCATCCGAAATCAAAG CTCCCTCAGGCAGCATAGACATCAAAGCCCATAGTGATATTGTACTGGAGGCTGGACAAA ACGATGCCTATACCTTCTTAAAAACCAAAGGTAAAAGCGGCAAAATCATCAGAAAAACCA **AGTTTACCAGCACCCGCGACCACCTGATTATGCCAGCCCCCGTCGAGCTGACCGCCAACG** GCATAACGCTTCAGGCAGGCGGCAACATCGAAGCTAATACCACCCGCTTCAATGCCCCTG CAGGTAAAGTTACCCTGGTTGCGGGTGAAGAGCTGCAACTGCTGGCAGAAGAAGGCATCC ACAAGCACGAGTTGGATGTCCAAAAAAGCCGCCGCTTTATCGGCATCAAGGTAGGCAAGA GCAATTACAGTAAAAACGAACTGAACGAAACCAAATTGCCTGTCCGCGTCGTCGCCCAAA CTGCAGCCACCCGTTCAGGCTGGGATACCGTGCTCGAAGGTACCGAATTCAAAACCACGC TGGCCGGTGCGGACATTCAGGCAGGTGTAGGCGAAAAAGCCCGTGCCGATGCGAAAATTA TCCTCAAAGGCATTGTGAACCGTATCCAGTCGGAAGAAAATTAGAAACCAACTCAACCG TATGGCAGAAACAGGCCGGACGCGCAGCACTATCGAAACGCTGAAACTGCCCAGCTTCG AAAGCCCTACTCCGCCCAAACTGACCGCCCCCGGTGGCTATATCGTCGACATTCCGAAAG GCAATTTGAAAACCGAAATCGAAAAGCTGGCCAAACAGCCCGAGTATGCCTATCTGAAAC AGCTCCAAGTAGCGAAAAACGTCAACTGGAACCAGGTGCAACTGGCTTACGATAAATGGG ACTATAAGCAGGAAGGCTTAACCAGAGCCGGTGCAGCGATTGTTACCATAATCGTAACCG CACTGACTTATGGATACGGCGCAACCGCAGCGGGGGGTGTAGCCGCTTCAGGAAGTAGTA CAGCCGCAGCTGCCGGAACAGCCGCCACAACGACAGCAGCAGCTACTACCGTTTCTACAG CGACTGCCATGCAAACCGCTGCTTTAGCCTCCTTGTATAGCCAAGCAGCTGTATCCATCA TCAATAATAAAGGTGATGTCGGCAAAGCGTTGAAAGATCTCGGCACCAGTGATACGGTCA **AGCAGATTGTCACTTCTGCCCTGACGGCGGGTGCATTAAATCAGATGGGCGCAGATATTG** CCCAATTGAACAGCAAGGTAAGAACCGAACTGTTCAGCAGTACGGGCAATCAAACTATTG CCAACCTTGGAGGCAGACTGGCTACCAATCTCAGTAATGCAGGTATCTCAGCTGGTATCA ATACCGCCGTCAACGGCGGCAGCCTGAAAGACAACTTAGGCAATGCCGCATTAGGAGCAT TGGTTAATAGCTTCCAAGGAGAAGCCGCCAGCAAAATCAAAACAACCTTCAGCGACGATT ATGTTGCCAAACAGTTCGCCCACGCTTTGGCTGGGTGTGTTAGCGGATTGGTACAAGGAA . AATGTAAAGACGGGGCAATTGGCGCAGCAGTTGGGGAAATCGTAGCCGACTCCATGCTTG GCGGCAGAAACCCTGCTACACTCAGCGATGCGGAAAAGCATAAGGTTATCAGTTACTCGA

AGATTATTGCCGGCAGCGTGGCGGCACTCAACGGCGGCGATGTGAATACTGCGGCGAATG CGGCTGAGGTGGCGGTAGTGAATAATGCTTTGAATTTTGACAGTACCCCTACCAATGCGA AAAAGCATCAACCGCAGAAGCCCGACAAAACCGCACTGGAAAAAATTATCCAAGGTATTA TGCCTGCACATGCAGCAGGTGCGATGACTAATCCGCAGGATAAGGATGCTGCCATTTGGA TAAGCAATATCCGTAATGGCATCACAGGCCCGATTGTGATTACCAGCTATGGGGTTTATG CTGCAGGTTGGACAGCTCCGCTGATCGGTACAGCGGGTAAATTAGCTATCAGCACCTGCA TGGCTAATCCTTCTGGTTGTACTGTCATGGTCACTCAGGCTGCCGAAGCGGCGCGCGAA TCGCCACGGGTGCGGTAACGGTAGGCAACGCTTGGGAAGCGCCTGTGGGGGGCGTTGTCGA AAGCGAAGGCGGCCAAGCAGGCTATACCAACCCAGACAGTTAAAGAACTTGATGGCTTAC TACAAGAATCAAAAAATATAGGTGCTGTAAATACACGAATTAATATAGCGAATAGTACTA CTCGATATACACCAATGAGACAAACGGGACAACCGGTATCTGCTGGCTTTGAGCATGTTC TTGAGGGGCACTTCCATAGGCCTATTGCGAATAACCGTTCAGTTTTTACCATCTCCCCAA ATGAATTGAAGGTTATACTTCAAAGTAATAAAGTAGTTTCTTCTCCCGTATCGATGACTC CTGATGGCCAATATATGCGGACTGTCGATGTAGGAAAAGTTATTGGTACTACTTCTATTA AAGAAGGTGGACAACCCACAACTACAATTAAAGTATTTACAGATAAGTCAGGAAATTTGA TTTTAGAATTAAATGATGCTTTAAGCCATTTAAATCATAACTCTACCTCATTTGATTTAT TGAAAGTTTTGATTTCATGGTTATCAAACGATATTGTCATTGATAAATTTTAAAATTTTAG GTTATGACTTTAGTAAATATATCGAAATGAATCCCGATGACTATCCGGTTGAAAAATCTA TATTGAATAGAGAGGAAATTATTTATCTCAAAAACAATATTTATCGTAAAATATCATCAG TTGAACATATTGAAAGAGTCTGTCCTTACTGCGAATGGGGTGAAATGCAAAAATTAGAAG AACAAAATACGCATGAAACGGTGTATCTCTGTACTCAATGTGGATGTGCTTTTTATAACG ATAATTCACAATTTTTATTAAAAACCCCTTTAACCATTCCAATGAAACGTGATGAATTTA AATAAACAAGCCGTAGCCTGCATGAACCCTAAAATCCACGTGTAGCGTGTGTGCGCCAGC ACGCATGCGTTCCATGATTTACGGCTCAATGCCGTCTGAAAAGCTCACAATTTTTCAGAC GGCATTTGTTATGCAAGTAAATATTCAGATTCCCTGTATGCTGTACAGACGCGGGAGTGT TAAGCCCCCCTTGTTTGAAGCTCCGCGGCTCCTGCCGAGCTTCACCGACCCCGTTGTGCC CAAGCTCTCTGCTCCCGGCGGCTACATTGTCGACATCCCCAAAGGCAATCTGAAAACCGA AATCGAAAAGCTGGCCAAACAGCCCGAGTATGCCTATCTGAAACAGCTCCAAGTAGCGAA AAACGTCAACTGGAACCAGGTGCAACTGGCTTACGATAAATGGGACTATAAGCAGGAAGG CTTAACCAGAGCCGGTGCAGCGATTATCGCGCTGGTTACCGTGGTTACTGCGGGCGC GGGAGTCGGAGCCGCACTAGGCTTAAACGGCGCAGCCGCAGCAGCGGCCGATGCCGCCTT TGCCTCACTCGCTTCTCAGGCTTCCGTATCGCTCATCAACAATAAAGGCGATGTCGGCAA AACCCTGAAGGAACTGGGCAGAAGCCGCACGGTAAAAAATCTGGTTGTAGCGGCGGCAAC GGCAGGCGTATCCAACAAACTCGGTGCCTCTTCCCTTGCCACTTGGAGCGAAACCCCTTG GGTAAACAACCTCAACGTTAACCTGGCCAATGCGGGCAGTGCCGCGCTGATCAACACCGC TGTTAACGGCGGCAGCCTGAAAGACAATCTGGAGGCAAATATCCTGGCGGCATTGGTGAA TACCGCGCATGGGGAGGCGGCGAGTAAGATCAAAGGACTGGATCAGCACTATGTCGCCCA CAAAATCGCTCATGCCGTAGCGGGCTGTGCGGCTGCAGCGGCGAATAAGGGCAAATGTCA GGACGGCGCGATCGGTGCGGCTGTGGGTGAGATTGTCGGGGAGGCTTTGGTTAAAAATAC CGATTTTAGCGATATGACCCCGGAACAATTAGATCTGGAAGTTAAGAAAATTACCGCCTA TGCCAAACTTGCGGCAGGTACAGTTGCAGGCGTAACGGGAGGAGATGTCAATACTGCTGC ACAAACCGCACAAAACGCGGTAGAAAATAATGCGGTTAAAGCTGTTGTAACTGCTGCAAA AGTGGTTTATAAGGTAGCCAGAAAAGGATTAAAAAAACGGGAAAATCAACGTTAGAGATTT AAAACAGACGTTGAAAGACGAAGGTTATAATTTAGCCGACAACCTGACCACCTTATTCGA CGAAACATTGGATTGGAACGATGCCAAAGCCGTTATTGATATTGTCGTCGGAACAGAGCT GAATCGCGCTAATAAAGGGGAAGCGGCACAAAAGGTCAAGGAAGTTTTAGAAAAAAATCG TTTTGGAAAACAGCTGGCTCAAATTTCAGAAAAGACAACGCTTCCGACGCAGCAAGGGCA GTCTGTCTTCTTGGTAAAAAGAAACCAAGGGTTATTAAAAACCGGTGATAGGTTTTATTT AGATGGCCAACATAAAAATCATTTAGAGGTTTTTGATAAAAATGGGAACTTTAAGTTTGT TCTAAATATGGATGGTTCGCTTAACCAAATGAAAACTGGGGCAGCAAAAGGTCGTAAATT GTGGGGCTTTATCAAGGGTTTGATTTGACAGATCCAAAAGTATCAGAAGAAGTTAATCAT GAAACAGCTAATATGAAATGGATTAAAGATTATACTTCAGACGGGAATTGGGATAATGAA TTTAAGGAGGATTTAAAAAACTTTTTAGATTATATGGAAGTATGCCCAATTAGCCCTAAAC GATAAAAATTTCAAAATTGCCAGTAATTCTTTATTTATGGCTATGATTTACGCAGGTAAT CTATCTCTTATATTTGATTCAATAAAAACTGATATATCAACATTATTGAGTGCTGAGTAT AAAAAGAATAGTTTTTCATGGCCATCTCTTGATGAATAGAAAGCAAGTTGTAGCCTGCAT GAAATCTAAAACCCATGCATAAGGTGTGGGCTTCAGTATACGCGTTCCATGATTTACGGC CATATGCCGTCTGAAAAGCTCAATTTTTTCAGACGGCATTTGTTATGAAAGTAAATATTT AGATTCCCTGTATACTGTTTAGACTCGTGTGTGCTGAGTAAGCTGTAGTCTGCATGAAAC CTAAAACTCGCTCAAAATTAAGCTAAGACATTAGCAGGGCAAGGGCGAAAATTGAATCTT AATTAAACAAGGATTTGATCTTTATGAGAAAGCCACAACTGAAAAATTGAATAGTGAAGA TCCTCTTGACTTACAATGGCTTTCTAACTATTCATCTGATTGGAATGATGAATTAGAAGA AGACTTTGATTCTTTTTTCAGCATATGAAGGAATATCAATATGCTATTGACAATGAAGA CATTAAATCTGCATGTAGTTCACTATGTGAAGCTATGCTCTATGTTGGTAATATTAAAAA TTTTTTTGAGTTTCTCAAAAGCGATATGATTAGACTGTTGAGAGGTGAAAGTAAAACAAC AGACTTTCAATGGCCGCAATTTGATGAATAGCAGCAAGCTGTAGCCTGCATGAAACCTAA AATCCATGCGTAAGGTGTGCTTCAGCACGCACGCGTTCCATGATTTACGGCTCAATGC CGTCTGAAAAGCTCACAATTTTTCAGACGGCATTTGTTATGCAAGTAAATATTCAGATTC CCTATATACTGCCCAGATGCGTGCGTGCTGAAGACACCCCCTAGGCTTGCTATTTGAAAC AGCTCCAAGTCACCAAAGACGTCAACTGGAACCAGGTACAACTGGCGTACGACAAATGGG

TGGTTACTGCGGGCGCGGGAGCCGGAGCCGCACTGGGCTTAAACGGCGCGCCGCAGCGG CAACCGATGCCGCATTCGCCTCGCTGGCCAGCCAGGCTTCCGTATCGCTCATCAACAACA AAGGCAATATCGGTAACACCCTGAAAGAGCTGGGCAGAAGCAGCACGGTGAAAAATCTGA TGGTTGCCGTCGCTACCGCAGGCGTAGCCGACAAAATCGGTGCTTCGGCACTGAACAATG TCAGCGATAAGCAGTGGATCAACAACCTGACCGTCAACCTGGCCAATGCGGGCAGTGCCG CACTGATTAATACCGCTGTCAACGGCGGCAGCCTGAAAGACAATCTGGAAGCGAATATCC TTGCGGCTTTGGTGAATACTGCGCATGGAGAAGCAGCCAGTAAAATCAAACAGTTGGATC AGCACTACATTACCCACAAGATTGCCCATGCCATAGCGGGCTGTGCGGCTGCGGCGGCGA ATAAGGGCAAGTGTCAGGATGGTGCGATAGGTGCGGCTGTGGGCGAGATAGTCGGGGAGG CTTTGACAAACGGCAAAAATCCTGACACTTTGACAGCTAAAGAACGCGAACAGATTTTGG CATACAGCAAACTGGTTGCCGGTACGGTAAGCGGTGTGGTCGGCGGCGATGTAAATGCGG CGGCGAATGCGGCTGAGGTAGCGGTGAAAAATAATCAGCTTAGCGACAAAGAGGGTAGAG **AATTTGATAACGAAATGACTGCATGCGCCAAACAGAATAATCCTCAACTGTGCAGAAAAA ATACTGTAAAAAGTATCAAAATGTTGCTGATAAAAGACTTGCTGCTTCGATTGCAATAT GTACGGATATATCCCGTAGTACTGAATGTAGAACAATCAGAAAACAACATTTGATCGATA** GTAGAAGCCTTCATTCATCTTGGGAAGCAGGTCTAATTGGTAAAGATGATGAATGGTATA **AATTATTCAGCAAATCTTACACCCAAGCAGATTTGGCTTTACAGTCTTATCATTTGAATA** CTGCTGCTAAATCTTGGCTTCAATCGGGCAATACAAAGCCTTTATCCGAATGGATGTCCG TTGTAAAACAAAATACACCTATTACTAATGTCAAATACCCGGAAGGCATCAGTTTCGATA CARACCTARARAGACATCTGGCARATGCTGATGGTTTTAGTCARARACAGGGCATTARAG GAGCCCATAACCGCACCAATTTTATGGCAGAACTAAATTCACGAGGAGGACGCGTAAAAT CTGAAACCCAAACTGATATTGAAGGCATTACCCGAATTAAATATGAGATTCCTACACTAG ACAGGACAGGTAAACCTGATGGTGGATTTAAGGAAATTTCAAGTATAAAAACTGTTTATA ATCCTAAAAAATTTTCTGATGATAAAATACTTCAAATGGCTCAAAATGCTGCTTCACAAG GATATTCAAAAGCCTCTAAAATTGCTCAAAATGAAAGAACTAAATCAATATCGGAAAGAA AAAATGTCATTCAAATTCTCAGAAACCTTTGACGGAATCAAATTTAGATCATATTTTGATG TAAATACAGGAAGAATTACAAACATTCACCCAGAATAATTTAAAGGAAAAATTATGAAAA TTTTTTTTGAAACAATTTACCAATTTGAAACTAAAGATACGCTTTTAGAGTGTTTTAAAA ATATTACAACTACCGGACATTTTGGAGTAATAGGTGCTCAATATGAAAAAATAGATGCTA CCAGATGGATTGGAGATTATGAAGAGGTAAATGGATTTGAGTATATTGATAAAGCTCCTT TAGCATATCATTACTTTAATATTGCAATATCTGATTTCTTAATAGCTCACCCTGAATATC **AATGCCGTCTGAAAAGCTCACAATTTTTCAGACGGCATTTGTTATGCAAGTAAATATTCA** GATTCCCTATATACTGCCCAGACGCGTGCGTGCTGAAGACACCCCCTACGCTTGCTGCAG AACTTTCGGGTAAAACCGGTGTGAGCATTAGCGCACCGTATGCCAATGAGAACAGTCGCA TCCTGCTCAGCACCACGGATATCAGTTCGGAAAACGGCAAAATCAAAATTCAATCTTACG GTGACCAATATTACTATGCGAGACAGAGCGAACTCTATACCTTTGAACGCCGCAGCTACA AAACTGGCAAATGGTACAACCGCAAACACATTACCGAAGTCAAAGAACACAAAAAACGCCA AGCCCGACGCAGTAACCCTCAGCGCATCCCAAGGCATCGACATCAAATCTGGTGGCAGCA TCGACGCCTACGCCACCGCATTCGATGCCCCCAAAGGCAGCATTAACATCGAAGCCGGGC **GGAAATTGACACTCTATGCCGTAGAAGAGCTCAACTACGACAAACTTGACAGCCAAAAAA GGCGCAGATTTCTCGGCATCAGCTACAGCAAAGCACACGACACCACCCAAGTCATGA** AAACCGCGCTGCCCTCAAGGGTAGTTGCAGAATCTGCCAATCTGCAATCAGGTTGGGATA CCAAACTGCAAGGCACACAGTTTGAAACCACACTGGGTGGCGCAACCATACGCGCAGGCG TAGGCGAGCAGGCACGGGCCGATGCCAAGATTATCCTCGAAGGGATCAAAAGCAGCATCC GTAACATCGAAACCTTGCAATTGCCGAGTTTCACCGGTCCCGTTGCGCCCGTACTGTCCG CACCCGGCGGTTACATTGTCGATATTCCGAAAGGCAATCTGAAAACCCAAATCGAAACCC TCACCAAGCAGCCCGAGTATGCTTATTTGAAACAACTTCAAGTTGCGAAAAACATCAACT GGAATCAGGTGCAGCTTGCTTACGATAAATGGGACTACAAACAGGAGGGCATGACACCCG CAGCAGCAGCTGTCGTTATCGTCGTAACCGTATTGACCTACGGCGCACTGTCCGCCC CGGCAGCCGGAACTGGAGTAGCAGCAGGAACGGCAGCCACAACCGGAGTAGCAGCAGGCA CATCAGCTGCAGCTATCACCACAGCCGCAGGCAAAGCCGCACTGGCCAGTCTCGCCAGCC AAGCCGCAGTTTCCCTCATCAACAACAAAGGAGACATAAACCATACCCTGAAAGAACTGG GCAAAAGCAGCACCGTCAGACAGGCCGCCACCGCCGCCGTAACCGCAGGCGTACTGCAGG GCATAAGCGGGCTGAACACCCAAGCAGCCGAAGCCGTCAGCAAACATTTTCACAGTCCCG CAGCAGGCAAACTGACCGCTAACCTGATCAACAGCACCGCTGCCGCAAGTGTCCATACCG CCATCAACGGCGGCAGCCTGAAAGACAACTTGGGCGATGCCGCACTGGGTGCGATAGTCA GTACCGTACACGGAGAAGTAGCGAGCAAAATCAAATTTAATCTCAGCGAAGACTACATTG CCCACAAGATAGCCCATGCCGTAGCAGGCTGTGCATCGGCGGTAGCAAATAAAGGCAAAT GTCGGGACGCGCAATCGGCGCGCAGTCGGCGAGATGGTGGGAGAAACCCTGTTGGACG GACGCGATGTAGGCAAACTGTCACCCCAAGAACGCCAAAAAGTCATAGCCTACTCGCAGA TTATCGCAGGCAGCGCAGTGGCATTGGTTAAAGGGGATGTGAATACGGCGGCGAATGCGG CTACTGTGGCAGTGGAGAATAATAGTCTTTTAGCTCGCAGGAGGGTAAATATACGTTGGA CTTCGCGACAAGAATTGGAACATGAATATGCCATTCTTGAAATCCAGGCCATTACCAATC AAATCCGAAGGCTGGATCCGAAATTTAACGGGATTGCTATTATGAGGAATCCTAGAGAGC CGTGGACAAGACATGATGTACAAACATACAGGCAATATTATAATCAATTAAGGGAATCCA GAGGCTTTGCTGTTGACCCAATTTATAGAATCAGGATAAACAACGGCAATGAATTTAACC GTATCATGTCATCAAAATACCCTTATAATGAGCTTTATGTAGCCAATCCTAAATCGGCGA

CGGGGTATTTTAGGGTAGATTCGTATAATCCTGCGACAGAGGAAATTATTTCAAGAAAAT TTACCCAATTTTCTCAAATCCAAGAAAGTACGGGGATTGGTTATATCAAGGAGGCTGTTA GAAAATATAGCCCTGGTGCTGTCATTTCCAATGTTCCAAGTACACCTACTACGATAAGAG GAAGAAAGCTTGAAGGAAAACTTATTTTAGAAGTTCCTGCTCAGGTCAATCCAATTCCAC TTTACAAATGAAGAAAGATATTTTTTATTGTGAGCAGTGGTCTTATGGTTATAAGAAACT TCATAAGCCTTTTTCTGAGAAACAAGCTGAGGAAAAACATCTTAAAGGGGAGTTATATAC TGCCGTAATAGGTTCGGCGACACAACCTGAATATGTAATTACCTTGCGAGAGGAAGTAGG TTTTTTTCGGTACATTTTTCGATAAATTTGGAAGGGATTATTTAACCCATCAATTTCA AAAATATTCCAATTCGAATTATTATTTTCTTTCTATGGCTGTATGGAGAGATTATATAAC TTTGGAATCTCATGACTTAGCAGAAGGATATACTTATTTCTTCAATGAAAATACGGATGA TTGCTATGTTTTGAAAGAGGATTTTATTAATAATGAGCGATATGAAAAAACAGAATTATA TTCCCAAAAAGATAAGGTAATTCTATTTCCAAAGTTTGGCGAATATGATTTGGTGTTAAA TCCGGACATTATTTAATTGAGTTTTAAGGCCGTCTGAAAAAATTTCAGACGGCTTTTATT ATTGGGTTTGGAATCTGAGGATAAAGCTGATAAAAACCAGGAAATTATCAGGTTGCTATA **AAATCGATTATATGGAGTAATCATGAATAAGAGAATGAAAATGTGTCCTGCTTGTCAACA** AGGCTATCTCTACCATTCGAAACCTAAATATCTTCATGATGAAATTATTCTGTGTGATGA ATGCGATGCAGTATGGCTCAAAGGTATGAATATTTTTATGGAGAATATGAAAAAGATTT TTATTCTTATGTTCCTTTCATGGAATCCCAAGGTATAACGAGTGAATGTATTTGGGAAGG AGATTTGTTTGATCATCCATATTATGAAGATGAAAACTCAAATGATATGGATTGATGGAA ATTTTAAGCCTGCGTAGGTACGATTAGCCATCAAACGGCGTAATCATACGCAAGATTATC AACAGAGAGGGCTGGCAGCGATATACCACCCACAAGATTGCCCATGCCATAGCGGGCTGT GCGGCAGCGGCGAATAAGGGCAAGTGTCAGGACGGCGCGATTGGTGCGGTCGTGGGG GAGATTGTCGGGGGGGCTTTGGTTAAGAATACCGATTTCAGCGGTATGACTGCTTCTGAA ATTGAAAAAGCTAAAGCGAATATTACTGCGTATGCAAAATTGGTAGCCGGAGCGACTGTA GGTGTTACAGGAGGCAATGTTGATGTGGCGGCAAATGCTTCCGAAACAGCTGTTAAAAAT AATGCATTAGATATTATTTGGGATATTGGCAACCTCGTATGGGACGGCGGTAAATGGATT GATGCCGCCGCAGCTGCCGTTCCCTTTGTTCCGGCAGGTGCGACTAAAATCAGCCGAGGC GGGGCTTATGTTCTGAAGGCGGGAGACGAAGCAGTTGATACGGCTAAAGCCATACAGGAA ATTCAGAAGCAGACCGGAATCAAGCTTACTTATGATAAGGTTAATAAGGTTTGGACAACA CCGGCGGGGTTAGATTATGGGTTAGATGCTAAGCATGGTAATAGGATTAAACATGTTTTA GCCCATACAATTCCAAATCCAAACAAACCTGTTCATTCTGTTTTTAATGTGTCCCGTAAA GAAGTTTTGCCTTTGGTTGATGAAGCTTGGAGAATGAAAGGAAATCCTTTGCCAAATGAT TCATCCGTATATCTTGTAGATATGAAGAAACCTATTGGAACAAAAGGAGAAACAAAAGTG CGGATTGTTGTGCAAAAAGGAACAAATAAAATCATTTCTGCATATCCTCAGAAATAATTA AGAAAGGAATCTCTTATGGATAAAGAAATTAAAATTTGCCCAAGATGTGAGCAAGGCTAC CTTTATCATGCAAAGCCTAAATATTTCTCTGGGGAGGTCATTTTATGCGATGAATGTTAT GCTATGTGGCTTGGGGATATGAAAATTTTTTACGGACAATATGGAAAAGATTTTTATGAT TTTGATCACCCATATTATGAGGATGAAAAATTTAAATAATTGATTTTCTGTTCCCCGAAT TTGGGAAATACGATGATATTTAAACCCAAATATTATTTAAAGTAGCAATAGGCCGTCTG AATATCCGTTTTTCAGACGGCCTCAATGCAACTGCTGGCAGCCGAAGGCATTCACCAACA CCAATTGAATGTTCAGAAAAGTACCCGTTTCATCGGCATCAAAGTGGGTAAAAGCAATTA CAGCAAAAACGAGCTGAACGAAACCAAACTGCCCGTACGCGTTATCGCCCAAACAGCCAA AACCCGTTCCGGCTGGGATACCGTACTCGAAGGCACCGAATTCAAAACCACCCTTTCCGG AGCCGACATACAGGCAGGGTGGGTGAAAAAGCCCGAGCCGATGCGAAAATTATCCTAAA AGGCATCGTTAACCGCATCCAAACCGAAGAAAAGCTGGAATCCAACTCGACCGTATGGCA AAAGCAGGCCGGAAGCGGCAGCACGGTTGAAACGCTGAAGCTACCGAGCTTTGAAGGGCC GGCACTGCCTAAGCTGACCGCTCCCGGCGGCTATATCGCCGACATCCCCAAAGGCAACCT CAAAACCGAAATCGAAAAGCTGGCCAAACAGCCCGAATATGCCTATCTGAAACAGCTTCA GACGGTCAAGGACGTGAACTGGAACCAAGTACAGCTCGCTTACGACAAATGGGACTATAA ACAGGAAGGCCTAACCGGAGCCGGAGCCGCAATTATCGCACTGGCCGTTACCGTGGTCAC CTCAGGCGCAGGAACCGGAGCCGTATTGGGATTAAACGGTGCGGCCGCCGCCGCAACCGA TGCAGCATTTGCCTCTTTGGCCAGCCAGGCTTCCGTATCGTTCATCAACAACAAAGGCAA TATCGGTAACACCCTGAAAGAGCTGGGCAGAAGCAGCACGGTGAAAAATCTGATGGTTGC CGTCGCTACCGCAGGCGTAGCCGACAAAATCGGTGCTTCGGCACTGAACAATGTCAGCGA TAAGCAGTGGATCAACAACCTGACCGTCAACCTGGCCAATGCGGGCAGTGCCGCACTGAT TAATACCGCTGTCAACGGCGGCAGCCTGAAAGACAATCTGGAAGCGAATATCCTTGCGGC TTTGGTGAATACTGCGCATGGAGAGGCAGCAAGTAAAATCAAACAGTTGGATCAGCACTA CATTGCCCATAAGATTGCCCATGCCATAGCGGGCTGTGCGGCAGCGGCGGCGAATAAGGG CAAGTGTCAAGATGGTGCGATCGGTGCGGCGGTGGAAATCCTTGGCGAAACCCTACT GGACGGCAGAGACCCTGGCAGCCTGAATGTGAAGGACAGGGCAAAAATCATTGCTAAGGC GAAGCTGGCAGCAGGGGGGTTGCGGCGTTGAGTAAGGGGGATGTGAGTACGGCGGCGAA TGCGGCTGCTGTGGCGGTAGAGAATAATTCTTTAAATGATATACAGGATCGTTTGTTGAG TGGAAATTATGCTTTATGTATGAGTGCAGGAGGAGCAGAAAGCTTTTGTGAGTCTTATCG ACCACTGGGCTTGCCACACTTTGTAAGTGTTTCAGGAGAAATGAAATTACCTAATAAATT CGGGAATCGTATGGTTAATGGAAAATTAATTATTAACACTAGAAATGGCAATGTATATTT CTCTGTAGGTAAAATATGGAGTACTGTAAAATCAACAAAAATCAAATATAAGTGGGGTATC TTTCAGAAATAGTAATCAAAATAAAGCCTATGCAGAAATGATTTCCCAGACTTTGGTAGG TGAGAGTGTTGGTAGTCTTTGTCTGACAAGAGCCTGCTTTTCGGTAAGTTCAACAAT ATCTAAATCTAAATCTCCTTTTAAAGATTCAAAAATTATTGGGGAAATCGGTTTGGGAAG TGGTGTTGCTGCAGGAGTAGAAAAAACAATATACATAGGTAACATAAAAGATATTGATAA

ATTTATTAGTGCAAACATAAAAAAATAGGAGTTAGTATGAAATATATGATTAGTTTTCTA **AAAAAAACATTTGAATTAATGAGTTGGGTGTTAGTCATACTAATAATTGGGACATTTTAT** GACTATTATCAAATAAGGCAATATGCTGAATTAGAAAAGAAATCTATATCAAATATCTTG CTATATGCCCAAAAAGAAAATTTCGCTTAGAGAGTAAAGATAAATACATGCGAGGAGGA TATACAAAATATAAATTTATTTTTTCAGAATATAGTAATACTACTTTTTTAAATTTCATA **AATGACCTGAAAAAGATAATTATTTACCACTTGACGGCTATGGACATGGTTTTCTATGT GGAAATAAAATTCAAATGAGAAAATTGAATAATCACGATGTTCATAAACGGTATCAAGAT** TCAACCATCAAAGACTTTTCCAGCGATTTTGAGGAAAAAACTGAAGCGTTCTTTATTCTT TTCAAAGAGCTGCTGCGCAGAGGTCATCTGAAACTGCAACGCGACGGGCAAATTATCGGG CATACGCCCGAAGAATGGGAACAAATATTTAGGGAAGTATGGCCTGAATATGAAATCGAA CCCAATCCACTTCCCGGCTATGCCCCATTTGATATTGGAATGTGGCTTACGGTCGAGGCT CCTGCCTACGCCGTATGGATAGATCCCGAAGACGGTAGCGAATACTGGGCGGGATAAAAT ACCAATGTTTGGAATAAATCCCGTCTGAAAAACAGCTTTTTCAGACAGGATTTATTCCAA TTATCGGTGATATACAGAGTTTTGTACAAGCACAGACCGCTGCCGATCACCTGTTTGCTT TGCTGGGTGTGGTTCCGGGTATCGGTGAATCGATACAGGCCTATAAAGTAGCGAAAGCGG CAAAAAATTTACAAGGCATGAAAAAAGCCTTGGACAAGGCAGCAACCGTTGCCACTGCAC AGGGCTATGTCAGTAAAACCAAAATCAAAATCGGTCAAACTGAATTAAGGGTTACTGCAG CGAGCAGTTATTTGACTCTTTAGCTAAACAAAATGGCTTCAGAGTGCTTTCGGGCGGCAA **ATACGGCGGAAATAACGGTTTTGATCATGTATGGCAGGCTGCCGATGGTAGTGTTTTT** GATTGTAGAAAGTAAGCAGATTAGGAACGGTACGGTACAGCTGAATCCGAATGGTGCGGG TGGATATACGCAGATGAGTCGTGAATGGATTAAACAAGTTGTAAAAAAGTTTACCTGATGG TAGTCCTGCTAAGGCAGTTGTCTTAAAAGCAAATCAGAACGGCAAATTAAAAACGGCAAT **AACCAATATAAGGAGATAACAATGGGGCACAATATGATGACCACCCAAAAATGGTATGAA** CATATTACTAATGTAATCATAGGCAATACTGCTAATTTCAATAGCGGTTGCCCCGAATCT ATAGATTATGTAGATGAAAAAAAGGCGTGCCGCTTGCAGCGATGAAATACATTTTAATG TACACTGAAGCTGCGGCTTCCCATGCCTATCTATTTGAACATGATCTTAAGAAATTCAAG CAATATGCTTATGTTGCAGGAAAGTTGGGTATTTTGCAGAGTGTAGATGATGAAGACCCC GAACCCTTCTTCTTTCCCTGCGACATGCTCAACATTCAAGATCCGATGTTTCTGATGCTG ATGAGCGACAGCCGCAGCTGCGCGAGTTTTTGGTGCGCAATATCGACAACATCGCCAAC GATACAGAAGCCTTCGTAAACCGATACGACCTCAACCGTCATATGATTTACAATACTCTG CTGATGGTGGAGGGTAAGCAGCTTGATCGGTTGAAACAACGTAGCGAGAAAGTCTTGGCG CATCCCACCCTAGCAAATGGCTGCAAAAGCGGTTGTACGATTACCGCTTCTTCCTCGCT TTCGCCGAACAGGATGCCGAGGCGATGAAGGCCGCCTTAGAGCCGCTTTTTGATAAAAAA ACCGCGCGTATGGCTGCCAAAGAAACATTGTCCTATTTCGATTTCTACCTGCAGCCGCAA ATCGTTACCTACGCCAAAATCGCATCCATGCACGGTTTCGATTTGGGCATAGACCACGAA ATCGCGCCGAGGGATTTGACTGTTTACGATCCGCTGCCGGCAGACGAATATCAAGACATC TTCGATTTTATGAAACAGTATGACTTGTCTTATCCGTATGAATATCTGCAGGATTGGATA GATTACTATACGTTCAAAACCGATAAGCTGGTATTTGGTAACGCGAAGCGAGAGTGAGCC **GTAAAACTCTGAGCTCCTGTTTTATAGATTACAACTTTAGGCCGTCTTAAAGCTGAAAGA** TTTTCGAAAGCTATAAATTGAAGCCCTTCCATAGTACATAGATCTGTGTTGTGGCGAGGC TTTACCACGCTGATTGCCGGAGAAGAACTCAACCTGCTGGCAAAACAAGGCATGAGATCT TTGCAATAACATGAGTTGAGACCTTTGCAAAAAAGCCCTTCCCCGACATCCGAAACCCAA ACACAGGATTTCGGCTGTTTTCGTACCAAATACCTCCTAATTTTACCCAAATATCCCCTT AATCCTCCCGGATACCCGATAATCAGGCATCCGGGCTGCCTTTTAGGCGGCGCGGGCGC ACTTAGCCTGTTGGCGGCCTTCAACAGGTTGAGACCTTTGCAATAACATAGGTTACTAAA ATTTTATGCTCAATCTCATTTTCAAAATGCAAAACTTTTCTGATTTTTCCTACTTTTTGC TCAATATTAGGAAGGTTTTAGGCAATTGAAAATTTTTTGGCGCATTTTTATGCGTCAAAT TTCGTTAACAGACTATTTTTGCAAAGGTCTCAGGTTCAAACACATCGCCTTCAGGTGGTT TGCGTACTCACTTTGTCATTTCCAATGTTCCAAGTACACCTGCTCCGCTAAGAGGAAGAA AACTTACAGGAAAACTTATTTTAGAAGTTCCTGCTCAGGTCAATCCAATTCCACAATCTG ATAGGTGGTGGTTTAGTATTAGGTGGTTGTGCAGGTGCACATCTTGCAAGAAAAGAACCA TTGATACTAACAGGGAAAACAGGGGCAGGTGCGTCAGCAATTGCAAATGCAAGCATTGGA TATCAATGGACTGTCAATTTGTCAAAGCCAAAAGAAGGAGCTAAATAATAATGCATTCCC ACTATATATTTGGTATTTTGATGATTTCATATGTTTTCGCAATGTTATTTAATTTTATAA AATCAAGCTACCTTAACTTTAAATATTTCAATATATTATTTGGAAAATAAAAAATCTCAA ATATTTTTTTTTTTATTTAAAATTATTAAGAATTAATCTGGCGTTTGGGGGTTTTTATCTTATCCT TAATAATTATAAATATTTTTTTTTTTTTTAGTAAAAATATGGTACAGATATGTACAGCTAGC TTTGTTTCAGTAAGGTATAACTGTATATAATACTCAGATTTTTCACGTTGGGCTATACAT GGAAATATATCTGTGATTAAAGATGTTAATGGTAAGTATCGATTAGCACCTGAAAAGCAT GATTTTAAAATGCATTCCTTTGGGGGGGAGAAAAAGTAATGTAAAAACAATATTTAGAAA TATGGAAACTATAATTGGTAGCCCAGGGTAAGGGGTACCTTTCAGGATTGAATTTAAAGG AGAGGTAAATATTGTTAACTAAGTTGAAAATTTTGCTATTTTTGTTCTTATTTGTTTTTT TATTGGCTATTAATTTGCTTTTCTTCTTTTTTAGTTCGGATATCGAGAGTTTCGGGAACT **ATCAGTTTGAATATGTTTACGATAAAGGTTGGCCTGCTAATTATATTTTAGTCATGAAAG** ATGGAAATGAAGGGAATTTTGATAAAATAATATCCGGATTGGTTTTAGAATATTATAAGG AGGATGATAACATTTATTTTCTTATATTGACGGGCAAGGATTTGCTTCAGACTCTTGCT TTAATAGCATGGAAAAAAATAATTTTCTTTCAGAAGATAAAATAATGAAGGGAACAAGAA

ATTGGCTAGCAGACCCTAAAAATAAATGTAATATACAGACTCTAGACTAAACGCGTCTTG CGAAAATACAACGGAATCGATCGTAAATCTTTCCCGCTGTTCTTGAAAGAATGCGAATTT CGATTTAACTTCGGCACACCGTCTCAACAGCTTAAAATCCTGCGGGATTGGTGTGGGATT TAGGGCTAATCTAGTACAGCCCCTTGTTTTTTCGATACGGAACCGGATAGAGGAAAAATC GAACATTGCGCCTGCCTTGCTATGATTCACGAAGAAATCTCCGCCATGCCTATGGGCTAT GAAACCTTGATCGGCGATATGGGCAGCGCACTGTCAGGCGGACAAAAACAACGCATCGTA TTGGCGCGGGCCTTAATATTGCGAACCGAAAATCCTATTTTTAGATGCAGCGACCAGCCA TTTGGATATTGCCAATGAAAAAGCAGTCAATGCAAACTTGAATGGCTTGTCTATCATAAA AATTATGGCGGCACACAGAAAGGAAACGGTGGAATCAGCAGATAGGAAAATGTCTTTAGG ATAAAAATACAGTTTCAAAAATACTCAAGACTACTGCCGTTTTTTCGCCTGAGCGTCAAA CTCTGCCAGCGTCATGTTCAAAGTCTGCAAACACGGTGTCATTACCGCATCGACAGCTTG GTTCACATGATCCCTTTCCACAGGCAACGGACGGTAAACGAAGAGCTTGAAGAGTTCGTT CAACTCAATCGAATCCGCCCCGTTTTCAACACCCAACCCTGTCTGCCGGAATAGATGTA GCCGTGCCGCCCAGCTTTTCCAAAAGCTCGCCCAACTCGTCGTAGCCCATATTGATATG CCGTCTGAACTCCTGAACAGGCAAGGCTTTGCCTTCTTTTTGCGCCGCATCCAGAAGCAG CAGGATTTTCAACACGTCGTCAAACCGTCCGCGCGAGTCGAAGCCCCTGCGGAACGCTTC TCCCTGCCAGTAGGAGAGTGAAGAAGTCAGCACCGCGCCCCAAGACCAGCGTCCACAA CAGGTTCAGCCACAACAGAAAAAACGGCACGGCGCGCAAACGCGCCGTAAATCGAGCGGTA GCCGTCGAAATTGCCCATATACCAAGTGAAGAGGGAGCGCGCGGTTTCCAGACAAAACGC TGTTGCCAAAGCCCCGACAAACGCCTGCCGCGCGGGAACGAAGCGGTTTGGCACGAAGCG GTACAGCCCCACAGCAAAAGCGTCATGAAGGTCAGCGTCGCCGCCGTTCGCAACGCGCC CGACCACTGCGGCGCACCTGAGGCAAGCGCGGCCATCCTGTACCGAGCCGACCATAAAGGA AATGCCCACGCCCAAAGACAGCGGCCCGAACGTCAGTAAAGCCCAATAGACGAGAAACTG CATCATCCACGGACGCTGGGAATTGACCCGCCAGATGCGGTTGAACGTATTGTCTATCGT CCGAATCAGCATCAGCGAGGTAACGACCAGCATCACGCTGCCGATTGCCGTCAGCCGGTT CGCCTGCTCGCGGAACGCATTGATATAGTCGAACACCATGTCCGCGCCCTGCGGCACAAT GGTTTGGTTGACGAAGGAGACGAACGAATCCGACCAGCGGTCGAACACGGGGAAAATCGA AGCGACCGCCACCATCACGGTCAGCACGGGGACGAGTGCCAGCAGCGTCGTAAACGTCAT GCTTGCCGCCGCCTGCGGTACGCGTTCTTCATCAAAGCGGCGGACGACGAACCATGCAAA CGCACAGATTTTATTGTCTGCCAAACCTTGCAAACGTTGTAAAAAGGTCATAATTTCTTG CCCGGTCAGTAAGTTGGGCATTGATGCCCGATGTTATAGCCAATTTTGCCGTCAGGAACA **AATGCCTGAACTGCGGCTGTTTCAGACGGCATCGGAACAACTGTTATGCCGTCTGAAGAC** CGAACCATTTTAACGGAATCCGCCCATGAACCCAAAATCCCCCTCAAAATCCTCGTCCTCT GCGTTGAAGGTTGCGAAGCCGTATTGCGCACCGTCCCCAAAGTCTCCGCCGTCTGCGAAG CCGTCAAAAAAGATATTCCCGACAGCGGCTCCCGTCCTGACCGCCGAAGAAAACAATATC GCCTTCGCACAAAGCAAACGCTTGGCGGAACTCGCCGTCAAGTCGGCATAAGCCGCGTGT TCAGACGGCATGGCGTTCAGATGCCGTCTGAACACGTTTGCCTGTATAATCCGCATCTTT ACTGTCCAACTTCGCGGTTCGCAAACCTCCCGCGTTACCAAAACTAGGATTCGATATGTC GGCAATCCAAACCTACGGGCGCGAAAACGTCCAAGCCATTACTTTCCAATACGGGCAACG CGTACTCGACTTGAGCCTGATGCGGCAGATTACGCACAATGCCCTGATGGACGACACCGC CGCCATCGAAACTGCCGAAAACGGCGTTCCGAATACCTTTGTAGACGGCCGCAACGCGCT TTTCCTGCTCTATGCCGCGATTTACGCCAAAGGGCAGGGGATACGGCACATCATCGCGGG CGTGTGCGAAACCGACTTCTCCGGCTATCCCGACTGCCGCGACGTGTTTGTCAAATCGAT GAACGTTACCCTTAATTTGGCGATGGACTATGATTTTCAAATCCACACGCCGCTGATGTA TCTGACCAAGGCGCAAACGTGGGCGTTGGCGGACGAAATGGGCGTGCTGGACTATATCCG CGAGCAAACCCACACCTGCTATAACGGCATCGTCGGCGGCTGCCGCGAATGCCCGAGCTG TATCTTGCGCGAACGCGGGCTGGCGGAATATCTGGAAAGTAAAAAGGCCGTCTGAACACG CGCAAACCATAAGGAATACGATATGCCCAAGCTCCATATGTTTTACCTCGGCGGCAATGC CGGCAGGTCGAATATCGAAGTGCACGACATCCAATTTGCCGTGTGCGACAACTACCGCGA GGCCGTCCCCGCGCTCAAAGCCGCGTGGTTCGGCGATGCGGACAAAATCCACATCGACGG CTGGCAGATTGTCGAATGGGCGGACGGTTACGACATCGCCGTATCCGAAACGCCCAAAAC GAAAATGCCGTCTGAACACGCCCCGCGCCTGTATTTCGCCAATGTCGGCGGTTATCGCGC GGGTCAGCTTGCCGAGGCACACGCTTTCGGGCTGTTCGCCGCCGCCACGCCTGCCGAAGC CAAACAAAAAGCCCTGCAAACCCTGTTGACCGACAGCTATGTTCAGCAGCATAAAGACAA CTTAAAAGACGTGGACAACCTGCTTGCGCTCGACCGCATCGGCAATTTCCATATCCGCCT GACCCCGAATCCGCACGCCAAACCCGCCGAAATCGGCTTTCAAGGCTATTTGCCCATTTG AGAACCCATGAAAATCACCAAAATCTTCACCTTCGACTCCTCGCATATGCTCGACGGGCA TGACGGCAAATGCCAAAACCTGCACGGACATACCTACAAACTCGAAATCACCGTTTCAGA CGGCATTATCAAAGGCGGCGCGAAAGACGGTATGGTGATGGACTTTACCGACTTGAAAGC CATTGTCAAACAACACATTACCGACCCCTTCGACCACGCCTTCATCTACCACGGCGGCAA CAGCCGCGAATGCCAAATCGCCGCGCTTTTGGAGGGCTGGAACATGAAAACCCTGCGCCT GCCCTGCCGCACCACTGCCGAAAATATGGCGGTCGAAATGTACGGCCGTCTGAAAAACGC GGGGCTGAACGTGTGCCGCGTGAAATTGTGGGAAACGCCGACATCGTGTGCGGAGTATGA AGGGGAGTAGGGAATATCTTGAACGTATCGATATAGTAAATTCCAATAAGACATGCCCAA CCGCGTCATTCCCGCGCAGGCGGGAATCCAGACCTTGATTTATCAGGAATATTTAAAAAT TGCAGCAATTCCAACTCTCTGGATTCCCGCCTGCGCGGAAAGGACGGTTTAGAGCGTCCT TATTTGAATTTACCGTAAAACGGTTTTTTCTCCTGTACGGATTCCCCGTTTTTTCAGACG **ACCTTCCATATCAAATACACCCATTAAAAGGAATACCCATGAAACTCCTCTTCATCCTCC** TAGTCCTCTTCGTCGCCGTCGAACATTTCTACATCGCCTGGCTTGAAATGACACAGATTC CCAGCGAAAAAGCGGCGGAAATATTCAAGCTGCCTTATGAATTTATGGAACAAAAGCAAG TGCAGACCTTGTTCAGTAATCAAGGGCTGTATAACGGCTTTCTCGGCATCGGGCTGGTGT GGTCGCGGTTTGCCGCCGGACAACGCCGTTTACGGCGCGACGACTCTGTTTCTCGGTT

TCGTATTGATTGCCGCCGCGTGGGGCGCGTTTTCGTCCGGCAACAAAGGCATACTCGTCA AACAAGGACTGCCCGCGATGCTGGCGGCGGCGGCGGTGTTGGCGGTATGAAAAAAATCAA TGTTGCCCCCGAAAATCCGCAATACCGTATCGTCGAAATTTTCGAGAGCCTGCAAGGCGA AGGCTGGAACACGGGCATGCCCGCCGTTTTCGTCCGCTTGGGCAAATGCAATCTGGCGTG CGGCTGGTGTGATACCGATTATTTGACATTCGGTATGATGGGCTTGTCCGATATCTTAGG CCGTCTGAAAACCTACGCCGCCCGCAACATCATCATCACCGGCGGCGAGCCGACCATACA GCCGCATCTCGATATGCTGCTGGACACGCTCAAGGCGGAAGGCTATTTCCTCTGTCTCGA AACCAACGGACTCAATCCCGCGCCGCCGCAAATCGACTACGTCGCCACCAGCCCCAAAGC CTGCTACGCCGCCAAATATGAAAATAGCTGTATCGAAACAGCCGACGAAGTGCGGATTGT TGCCGATGGTGATGTCCTTGCGTTCTGCGAAAACATGGAACGCAAAATCCGCGCACATCA TTACTACCTTTCGCCCTGTGAGCAAGACGGTGCGATGAACATCTACGACACCATCCGCCA AATCGGTATTTTAAACAGTCGCCCCGACGCATCCGTGCATTGGCAGTTGAGCGTGCAGAC GCACAAATGGGCGGGAATAGAGTAGTTTAAGCAGTGTAACTCAAAGGGACGGCGTACGGT TTTACCGATGTTTGACATACGGGGAAAGTGTGCCGCTTCTGCGTGGAAATGCCGGCATTT CCACCGCCAATCAGGACGGAGCCTTACTGAATAAGATGCTGCCGTTGGGTACAAGCTCG GCTTCCTAAATTCCGATGGTCTTTTGAACCTTGCCGATACTCTGTGCCAGTGCGCGCAAA TGGCAGGGTTAGGGAAAACGAAATGCCGTCTGAAACAGCATTCTGTTTCAGACGGCATTT TTCTGTTGCCGCCAAAAGGAAAAACCGCCTCGGCAATGGATGCCGAGGCGGTTTGAATAT GCTGCGCTACATTCCGAATTAAGTAAGGCGTGATTATAGCGCAAAAAGTGCGGCGTGCCT ATACCGTTTTGCCTTTTTGCCGCGTGTCGGGCGGATTTAAAACGTTGTGTTTGAATACAG TGTTGATAATCATCATTATCTTTAAGTAATTCAATAAGATAACTTTCTACCTGACCGAAA AAATCATTGCCTTTCCCTGACAAACGGTTGATGAAATCGGCAGATTGTTGAAACGCAGCC GGTTTAAAAGGCTTCGCCGACTTTCACGCCGCCGCCGTGTCCTGCGGCGAGGCAAGGCC GGCAACAAAGGCTTGCGCCGCTTGGAAATCCGCCGTCTGCATCACGGCTTGCGCGGCGGC ACTGCCGAGCGTGTTGGCCATATATTGCCAACGTTGCGCCAAAGTGGGATTGTCAGGAAT GCGGAAATCTTCGCGCAGTTCATCCACAAGGTCGGGACGGTTGCAGACGAGGACGATGTC GCAACCTGCCTCAAAGGAAATGCGGGCGCGTTCTTTGATGCCGCCTGCCCCGCACGCGCC CTCCATAGTCAAATCGTCCGAGAAAATCACGCCTTTGAACCCGATGTCGCGGCGCAAAAT TTGTTTGAGCCAGATTTCGGAAAACCCTGCGGGCTTTGTGTCCACTTGTGGATAAACGAC GTGGGCGGCATAACCGCCGCCATACCTTCGCGGCTCATAATGCGGAAGGGGGCGAGGTC GGCGGTTTCGAGTTCGGACAGGCTGCGCCAGTCTTCCGGCAAGACCAGATGGCTGTCTCC TTCGACAAATCCGTGTCCGGGAAAATGTTTGCCGCAGGATTTCATACCGCCTTTTGTCAA ACCTTTTTGAAGGGCGAGGCGAGGCGGCGACCGCTTCGGGATTGCGGTGGAAACTGCG GTTGCCGATGACGGGCAGTTTCCCCAGTCCAAATCTAAGACGGGCGTGAAGGACAAATC GATGCCGCAGGCGGAAAGCTCGGTTGCCAAAACCCGGCCGACTTGTCCGGCGGCGGTTTC GGCGGCGGACGCCGTCTTTGTCCCAAATCTCGCCGAGCGTACTCATTGCGGGCAGGCG GGTGAAGCCTTCGATGAAACGTTGCACCCTGCCGCCTTCGTGATCGACGGCGATAATGAG TTCGGGTGTGCGCAGGGCTTTGATTTCGGCGGTGAGTGTTTTGAGTTGTTCGATGTTTTG GAAGTTGCGGCGGAAGAGGATGATGCCGCCTACGGCGGGATCGAGCAGGCGTTGCTTTTC CTCTTCGGTCAGGCGGAAGGCGGCAATGTCTGCCATGACGGGGCCGCGCGGAATATGGGG GACGGTCATTGCGGTTTGCTCCAAAAAGCTTCAGACGGCATATGCCGTCTGAACAGGGAA AGGGGTCAGGCGTTGGCGCGTTTTTTATCTTTCAACAGAAAAATCAGCACCGCCAATACA ATGCCTGTCGTGCCAAAGCCCAACAGCGCGGATTTTGTCAGACCCAATGCGAGGTAGCCC GATGCGGCGGCGGCGCAACGGTTAAGGCGTAAGGCAGTTGCGAGGTAACGTGGTCGATG TGGTTGCAGCGCGCGCGGTGGACGACAGGATGGTCGTGTCGGAAATGGGCGAGCAGTGG TCGCCGCATACCGCCCCCCCCATTACTGCGGACATACACGGGATAATCAGCGCGGGTTCG ACTTTGACCGCCATGGCGGCGCAATCGGCAGCATAATGCCGAACGTCCCCCAGCTTGTG CCTGTGGCAAACGCCATCACGCTGGCGAGCAGGAAGAGGATGACGGGCAGGAAGCCGGGA TGGATGTTGCCCGCAACCAGTGTGGAGAGGTAATCGCCGGTGTGCATTTCGCCGACAACC GTACTGATGAGCCAAGCGAGGATTAAAATGGCGATTGCGCCGAACATAGATTTCGCACCC TGCCAAACGGCTTTGGGATAGTCGGCGGTTTTAATCGTGCCGAGCGTGCAGAGAACGACG GCAAGGACGCCGCAAGTGCCGCCGAATACCAGCGAAGTGTTTACGTCCGTGTTTTCAAAT GCCCCAAAATGCTGAAGGTTTCGCTTGCCTGCGCGCGGTGTAGATCATGGCGGAAACC GTTGAGGCGATTAAGGCCAAAACGGGAATAATCAGTGCGTAAACACGACCTTTGGTAGCG TCTGAAACGGCAGTTTCATCGTGGGCTTCGTTCAACGCGGCTTGTTCGAAACGTGCCATC GAGCCGATGTCGAAGGAAAACCATGCGACGACGAACACCATAATCAGGGCAAACAGTGCG TAATAGTTCATCAGGCTCATGGCGACAAACGTCCCCATCGGCGTGTATTCGGTGATTTTG TAGGTAACGAGCAGTCCGGCAAGCGTGGCGATAATCGACGCGCCCCAGCTTGAAACGGGC ATCAGCACGCACATAGGAGCGGCAGTGGAGTCGAGGATGTAGGCGAGTTTGGTGCGGGAA ACTTTAAACTTGTCGGTAACGGGGGGGCAATCGCACCGACGGCGAGACTGTGGAAATAG TCGTCGATAAAGGTTACGAACACGAGGCAGGCGGTCAGCATTTTCGCGCCGCCGCGCTTT TTAATGTGCCGTTTTGCCCAGTCGGCAAACGCCTGATTGCTGCCGGAGTAGGTCAGCAGG GAAGTAAAAATACCCAAAAGTATCAGGAAAACCAAGATTTTTGGTTTGCCCAGCGACCAA TCGCCGTCTGACCAAGCCAAGCCGACGACCATGTCTTTCAGGTGTGTCAGACCGTCGACG GGGTTGCCGCCGACCAAAAAGGCAACGCCGACCAGAATACCGATGCCTAAAGACAGCAGT ACGCGGCGGTAATGACGGCAAGTGCCAGTGCCAAAAAGGGTGGCACAACCGAGAAAAAT GAATGTGAATAGTCGATCAGCTGCATGGTTATGGGGGTGTTAAGCGTCCGGATGGGAGCG TATCTGTCCGCCTCCGGTTTGGGTTTTGTTGGCAAAATGGGCGGAAATATTTTTTGTCGT AAAAAATATTTGTTTAAAATCAACCAACTGATTTTTGTAAAATGCCCGTTAATCGGTATT GACGGGCATTTTATCATTTAAAAAATATTTTGGTTAAATTATGTGTGTTATTGCAGGTTT TTGTCCATAGCTTTGCGGAAACCGGCTTCGTCATTGACGGGGACTTGCCCGACGGCAAGA ATTTCGTCGCCGCGCCTCAAGCCTGCGCGTTCTGCCGCGTCGGAAACCCGTACGACGACG AGGTGTCCGCCGCTGCTGGGTATGTGTCTGAAGGGTAATGCCTGCGGATTCGACCGAG AACGTACCGGATTGCTGTTCGGTGTAGGGGGCTTCATCTGTTTTGGATGATGCGCCGATA TGCTCGGCGGCGTTGCCCAGCTTGACTTTGATTGTGATTTCTTCGCCTTTGCGCCATACG CCGAGGCTGACTTCTTTTCCCGGCGTAATGGCGCCGACCATAACGGGAAGGTCGCCGGAA TCTGCGGGGCTGCCGGCAGGATTTTGGCAATCAGTGCGCCGGCCTTTGTCCAAACCG AACGATTGTGCCAAACCGTAGGATACTTCTTGAATAATCACGCCCAGTTGTCCGCGTTGG ACTTTGCCGGTGTTTTTCAGCTGTTCGGCGACATTCATGGCAACGTCAATCGGGATGGCG AAGGAAATGCCCATGAATCCGCCGCTGCGGCTGTATATTTGCGAGTTGATGCCGACGACC TGTCCTTTTAAGTTGAACAGCGGGCCGCCGGAGTTGCCCGGATTGATGGCAACGTCGGTT TGGATGAAGGGTGTGTAGCTTTCGTTGGGCAGGCTTCTGCCTTTGGCGGACACGATGCCG GCGGTCACGCTGTTGTCGAAGCCGAAGGGCGCGCCGATGGCGGCGACCCATTCGCCCGGT TTCAAATCTTTGGGATTGCCGATTTTGACGACGGCAGCTCTTCCGTTGCGTCGATTTTC AGAAGGGCGACATCGGATTGGACATCCGAACCGATGAGTTTGGCGGTATATTCGCGCTTG TCGTTGAGCAGGACTTTGATACTGCCCATGCCGGTAACGACGTGGGTATTGGTCAGGATG TAGCCGTCTTTGCTGATGATGAAGCCCGAACCGAAGTTCAATCCGCCGTCATCTGCTTCT TCTTGGGGGATTTCGGGCATATTCGGGACGAGGCGTTTGAAAAATTCGTAGAACGGGTCG TTGTCGGCAATCGGGTCGGAATCGTTTTCGGCATTGCCGCTGCCGTTTTGGGTGCGCGGG GCGGGGCTGCCTGAATATTGACGACTGCCGGACCTTCACTTTGAACCAGTTGGGCAAAG TCGGGCAGCATACTGACGCTGCCGTCGTCTTTGGTGTGTTCGATGCGTTCTACGAAG GCGGCACACAGTGCTGCCAAAGCGAGGTATTGGTATTTTTTGAACACGTTTTGTCCTTTG TCGGATGCCGGTACCGGCTTTAATGCCGTCTGAAGCGCATTTTGTCGGCTTCAGACGGCA TAGGTTGAAATTCTACAACGTCCGTCCGAATTTTCAAGCGTTTCATTTTGAAGGGCGGCG GCGGTCAGGCTTTGGCGGGATATTCGCACAAATCGTTGATGATGCAGGTTTGGCATTGCG GTTTGAGTGCCTTGCAGGTGTAGCGTCCGTGCAAAATCAGCCAGTGGTGCGCGTCCATCA GAAATTCTTTAGGAATGAAGCGCATCAGTTTGTCTTCGACTTCGCGCACATCTTTCCCGG GGGCGATTTTGGTTCGGTTGGATACGCGGAAAATATGCGTATCGACCGCCATGACGGGAT GGCCGAACGCCGTGTTCAATACGACGTTTGCCGTTTTGCGCCCCACACCCGGCAATGATT CCAAAGCCTCGCGGTCTTCCGGCACTTCGCCGTTGTATTTTTCCAGCAGGATGCGGCAGG TTTGCATAATGTGTTTGGATTTGGTTTTATACAGCCCGATGGTTTTCGTGTATTCCATCA CGCCGTCCAAACCCAAATCCAGCATCGCCTGCGGCGTATCGGCAACGGGAAACAGCTTCG CCGTCGCCTTGTTTACGCCGACATCGGTCGCCTGCGCTGAAAGCAGAACGGCAATTAAAA GCTCGAAAGGGGAGTTGAAATTCAGCTCGGTGGTCGGATGGGGGTTGGCGGCGCGGAAGC CGGCATTATAACGTATGGTTCAGGCGGCGTAATATTGCATTCCCCACAGAATGAAGGCGT AACGCGCCGTTTTGCCGATAACCAGCATCAGCCCGCTTGTCCACGGATTCAACCGCAGCC AGCCGGCGGCAAGCGGCAGTGCGTCGCCGACGACGGCAGCCAGGTAAACGCAAGCAGCC AAATACCGAAACGCCGCATCAGATTCAGTGTTTTTTCAGACGGCATTTTTCGGGAGGGCA GCAAACGCCCCATCCAATAGGAAACCATACTGCCCAATCCGTTGGCAAGGCCGGCGCACA GCAACGCGCCGTATGCGTGTTCGGGAAAGCGGTGGACGAACAGGGCAAAGGCGGCTTCGG AGGAGGGTATCATTGCAAACAGTCTCAAACAGGTAACAATCGGCGACGGATTGTACGGTA TAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCT CTAAGGTGCTGAAGCACCGAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCG TCGCCTTGTCCTGATTTTTGTTAATCCACTCTATTTTCACGCCCCCGCCGAAGGGCGGAG GACGGTGCAAAAAATACGGCACAGCCGTATGCCCCTTTTTTGTCGGGCATACGACATTCT TTCCGCTCCGGTTTTGATGCCACGATGCGGCATTTCCGAATTTTCCGGATACGGCGGCGG ATTTCATTTATTGGGAACGGTTTTTGCAAGTCCGCCGGAATTTTTTAAAATCTATTAA AATCTATGCAAGCAACTGTAAAATATTAATTTCTGCTGCTTGAATTTCAGATCGGCGCAT TGCCTGCATCCGATAAAGTTTGCAAAATGTTCAAATATCAGTATGATTTGCATTGCCGTT AAGAAATGTCAATTTCTATTTTCTTGAAACGGGTAATATTCCGACACCACGAAAGGCAAA TCATGTCTGCGCAATCACAAAACAATCATACGTCCCCATTGGTCGTCTTGACCACGCTGT TTTTCGACCTGTCTTACGTTCAGGCGATGCTGATCCAATTCTGTTTCTTTACCGCCTATG CGGTGATGTCCATCCCGATGGGGGCTTTTGTCGGCAAAGTCGGCTACAAAAACGGCGTTA TCGGCGGCTTTCTGCTGACGGCGGTCGGATGCCTGCTGTTTTATCCTGCTGCGGGCAGCC ATTCTTACGCGGTATTTTTGGGCGCGTTGTTTATTTTGGCTTCCGGCGTAACGCTGCTTC AGGTCGCCGGTAATCCTTATGTTACCCTGCTGGCGAAACCCGGCAAGGAATCGGCAACAC TGACGCTGGTTCAGGCGTTTAACGCTTTGGGTACGACCATTGCGCCGCAAATCGGCGCGT TCCTGATTCTGGCGGACGCAACCCAAACCGTCAGCAAGGCGGAACAGATTTCTTCCGTAC AGATTCCCTATTTGGGACTGGCGGGGCTGCTGATTATCCTTGCCGTTTTCGTGAAAATGA TCCGGCTGCCCGACGCGCAAAATTGCCGCCGAGGAAAGCGCGCACAACCACGACGGCA TCGGCGCGGAGGTGTCTATCGGTTCGTTGATGGTCAACGTATTGGGTTATCTGAAAGGGC TGGATCATGCTTCTGCCGCGCATTACCTGTCGTTCTATTGGGGCGGCGCGCGATGGTCGGAC GTTTCCTCGGTTCGCCGTGATGCCGAAATTCGCGCCCAACCGTTATTTGGCGTTTAACG CATCGGCTGCGTACTGCTTGCCGTCGCGATGCGGCACGGGTAGCGGCAATGCGGATG TGGCGATGTGGTCGCTTGCCATCGGTTTTTTCAACTCGATTATGTTTCCGACGATTT TCTCTTTGGCAACCAAAGGATTGGGAAAATTTACCAACGCGGCTTCCGGTGTACTGTGTA CCGCGATTGTCGGCGGTGCGGTCGTTCCTGTCGTGCAGGGCTGGGTGGCAGATACTTACA CCCTGATGTCTTCGTTTGTCGTTTTCCGTCATCTGTTATCTGTATATCGTGTTTTTTGCGG TGTACGGATATAGGGCGGACAAATAATCTTTTTCTTGAGAAATGTCGTCTGAACATCTTT CAGACGGCATTTTTGCGTACCGGTGTTTGCGGCGTGTGTGCCGAGGTTTTAATACTTCAA AATTTAAATTGAGAAAATTGCCGTTTTGTTTCTGTCCGGCTTTTGTAAAACGCTAAAATG

CCGTCTGAAAACGTCGGGCGGATTCGGTATGGTGTTAGAATCCGTTAACTTTATATCA AATCGGGCAAAGAATCATGTTCGCTTTCAAATCCTTACTCGATATGCCGCGCGGTGAGGC ACTTGCCGTCGTCGTCGCTCTGATTGCCGCGATGGGCTATACCATCATTTCATTGGAGTG GTTGCCGCATATGTCCATTATTGCCGCCATCGTCGTGCTGATTTTGTACGGCTTGGCGCG CGGTTTGAAATACAACGATATGCAGCAGGGCATGATAGGCGCGTTGAATCAGGGTATGGG CGCGATTTACCTGTTTTTCTTCATCGGGCTGATGGTCAGCGCGCTGATGATGAGCGGCGC CTCCTTCGCGCTGTGTTCCGTCATCGGCGTGTCCATCGGCAGCAGCCTGACCACCTGCGC CACTGTCGGCGTTGCCTTTATGGGGATGGCGGCGGCGTTTCAGGCCGATATGGCGATGAC GGCGGGCGCGATTGTTTCGGGCGCATTTTTTGGCGACAAAATGTCCCCGCTTTCGGATAC GACGGGTATTTCCGCGTCCATCGTCGGCATCGACTTGTTTGAGCACATCAAAAATATGAT GTACACCACCATCCCGCGTGGCTCATTAGTGCGGCACTGATGCTTTGGCTTTTGCCGAA ATTGGTGCACGGCTATTCGCTGATTCCGTTTGCGCTGTTGGTCATTTTGGCATTGATGCG CATCAACGCCGTCGTCGCCATGCTCTTTACCGTCATGGTTGCCGTTGCTGTAACGTATCT GCACAGCACGCCCGATCTGCGTCAGCTCGGTGCGTGTTTTACGGCGGCTACAAACTCGA AGGCGAAGCGTTTAAAGATGTTGTCAAACTGATTTCGCGCGGGGGTTTGGAAAGTATGTT TTTCACGCAAACCATCGTGATTCTCGGGATGAGTTTGGGCGGACTGTTGTTTGCGCTCGG TGTGATTCCTTCCCTGTTGGAGGCCATCCGTACCTTCTTGACGAATGCCGGACGCGCGAC GTTCAGCGTTGCCATGACTTCGGTCGGGGTTAATTTCCTGATCGGCGAGCAATATTTGAG TATTTGTTGTCGGGTGAAACGTTCAAACCCGTTTACGATAAGCTCGGTCTGCATTCGCG CAATCTGTCGCGGACGCTGGAAGATGCGGGGACGGTGATTAACCCGCTCGTACCGTGGAG CGTATGCGGCGTGTTCATCAGCCACGCGCTGGGCGTGCCGGTTTGGGAATATCTGCCGTA TGCCTTTTTCTGCTATTTGAGTTTGGCTTTGACCCTGTTATTCGGTTGGACGGGGCTGAC TTTGAGCAAAAATAAGCGGATAAGCGAAATGCCGTCTGAAACTTGCAACGGTTTCAGAC GGCATTTTTATGTTTGGCGGATGGGGCGGATTGAAACAGAAAACGCCCGTACCGTCATCC TAAACTGTGCAGAAACGGCGGTGCTTACTTCACGCGGGTCGCCATCAGCGTATGCAGGCG GCGGTTGTCGGCGCGTGCGACGGTGAACTGCAAACCGCCGATAAGGACTTTTTCGCCGCG CACGGGCAGATGTCCCAACTCTTGAATGACCAGGCCGCCAATGGTGTCGGCTTCTTCGCT GCTGTATTCCGTGCCGAAGAAGGTGTTGATGTCTTCGATTTCGGTAGCTGCATGGATGCG CCAGCGTTCGGAAGAAACGGCATGGATATTGTCGGCGCTATCGTCTCGTCAAACTCGTC TTCGATTTCGCCGACGATTTGCTCGATGATGTCTTCAAAGGTGACCAAGCCGGATGTGCC GCCGTATTCGTCGATGACAATCGCCATATGGTTGCGCTGTTCGCGGAACTCTTTTAAAAG GAACTGCTCGGGGTTAAACATATATTTGAGCAGGTCTTTGGCGTGCAAAATGCCCAAAAC TTCGTCTTTGTCTTCGCCGATGACGGGGAAGCGCGAATGGGCGGTATCGATAACGTAGGC GGTGATGCGCTCGATGCTGTCGTTTTCTTTTAAAACGTTCATACGGCTGCGCGTAATCAT CGCGTCGCGCACTTCCAAATCGGAAAAATCGAGGACTTTTTCCAATCTTAAAAGCGTATC CGCATCAAAAACTTCCTGCTCGTGCGCCTGCCGAAGCAGGTTTAATACGTCTTCGGCGGA ATCGGGTTCGCGGGCGAGTCGGGCAATCAGGCGTTCAAAAAAATTCGTTTTCGGTTGTGC GGCGGATTTCTTCGGCTTCCATTATTTCGGCTTCGTCGTCTTCGATGTGGTCGTAGCCCA TCAGGTGTAAAGTACCGTGTATGGTCAGGTGGGCAAAATGCTGCTCGGGTGTTTTGCCTT GTTCGGCGGCTTCTTTCAAAACCACTTGCGGGCAGATAATCAAATCGCCGTACAGTTTTT CCGAAACTTGGCAGGGCAGGATTTCGCCTTCGTTGAGCGCGAAACTCAATACATTGGTGG CGTAATCTTTGCCGCGGTAGTCGCGGTTGTAGGCTCGGGCTTCTTCTTCGTCCAGAAGAA TCAGGCTGATGTCGGCGCGGCGGTATTCATTTTTCAAGGCAGACCACGCCCAGCGGTAGA AATCGCGTTCGGCTGGGATGCCGGCGGCGGAAGAGGCGTTTTCAAAGTTCAAATGGAAAC GTTGCCGCTGCAACGTTAAGAAAGGGTATTTTTTGGTGCGTTTCATTGTGGCGGGTTTCG TGTTTTGTGGGTGTAAATATAACATAGACCTGACGGTGCCGTCTGAAGAAACGTTCAAAA TATGATAGACTTCACGCCGTTTCCATTCTTTGAACGCATTGAACATGAACCCGAAAAAAC TGGAACAGGCTTTATATGACGGGCGCCGCCGATTTGGCGGTGCATTCGATTAAGGACGTGC CGATGGATTTGCCTGAAGGTTTCGCGCTTGCCGCCATCGGCGAACGCGCCAATCCGTTTG ACGCGTTTGTGTCCAACCAATACACGCGTTTGGAAGAAATGCCCGAAGGCGCGGTTGTCG GCACATCCAGCCTGCGCCGCGAAGCCCAGTTGCGTGCGCGCTATCCGCATTTGCTTATCA **AACCTTTGCGCGGCAATGTGCAAACCCGTTTGTCCAAACTCGATAACGGCGAATACGACG** TTTTGTCGGAATCCGACAGCCTGCCTGCCGGCCGGACAAGGCGCATTGGGTATCGAAATTG CCGCGCACCGCGAAGATTTGTATGAAGTTTTGAAACCCTTGAACCACGGTGTTACCAATG CCTGCGTTACCGCCGAACGCGCCCTCGCACGCGCTTTGGGCGGAAGCTGCCAAGTGCCTT TGGCCGCATATTGCACGGAAGAAAACGGCTTGCTGACCTTGCGCGGCTTGGTCGGACACC CCGACGGTTCGGTTGTGTGCGGGCGGACGCGCAAGCCCCTGCCGAATATGCCGACGCGC TTTAATCAATTTGTTTCATCAGTTTCACTCGCCTTATTTCGTCATTCCCGCGCAGGCGGG **ANTICAGTTTGCTCGGTTTCAGTTGTTTCTAATCAATTCTTGCAGCATTGGATTCCCGGA** TTCCCGCCTGCGCGGAATGACGGCGGAAAGGTTTTTGTGGCTTCGGATAATACTGTGGC TGGTTGATTTTATAGATGTTTTTAGCTTGTTTGAAATTGTTATGGTTTATTGTTTTTTAA CAAAAAACAGATGCCGTCTGAACTGGTTAAGGTTCGGACGGCATTTTCATATGGCTGTGC TTTTTACAGTACTTTCACGATGCTTTCGCACAGATAATCGATGTTGTTGTCGGTAATGCC GGCGACGTTGATGCGGCCGGAGCGGACGGCATAAATGGCAAACTCGTTTTTCAGGCGGTC

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AAAGTTTTGGCTTGCACCTTTGGCTTTGAGCAACCCGACAAATTTTTGGCGCATGGCTTT GATGCGGCCGCGCATTTCATCGAGTTCGGCAATCCATTGTGCTTTCAAATCATCATTTTT CAACACCAGCGCAATGGTGTTCGCACCGTGTGAAGCCGGGTTGGAATACAAGGTACGGAT GATGGTTTTGACTTGGCTGTGGGCGCGGGCTGCTGTTTCTTCATCTTCGGCCACCAAAGT GAACGCGCCGACGCGCTCGTTGTACATACCGAAGTTTTTTGGAATAAGAGCTGGCAATCAG CAATTCTGTATTGTGTTTCAAGAACACGCGCAAGCCGTAGGCATCTTCTTCCAAACCATT GCCGAAGCCTTGGTAGGCAAAGTCAAACAGCGGCAACCAGCCTTTTTCGGCAGAAAGTTT TGCCAAAGTTTCCCATTGTTCGGGCGTAGGGTCGATGCCGGTAGGATTGTGGCAGCAGCC GTGCAGCAGGACGATGTCGCCTTTTTGCGCTTGGCTCAAGTCCTCAATCATGCCGTCCCA TTTGGCGATGGCGTTGTGGTTGGGCCAAGTCGGATTGGAAATCCAGATGGTTTGCGCGTT CAACTGGCGTTTGGCAAACTCGGCCGCAATACGCAATGCGCCCGTACCGCCGAGGCTTTG CGCTGTTTTGGCGCGACGGCTGGCGATGATTTCGTGGTCTTTGCCGAACAGCAGGATTTG GGTTTGCGCGTTGTAGTCGGCAACGCCGTCGATGGTGAGGTAGTTTTTGGTGGTTTCGCT TTCCAACAGGCGTTTTTCGGCTTCTTTGACGGCTTTGACGAGGGGTGTCGCGCCGGATGC GTCTTTATAAACGCCGATGCCGAGGTTGACTTTTTCGGGGCGGGTTTCGGCTTTGAACGC TTCGCCCAAACCGAGAATCGGATCGGCGGGGGGGGCGCTTCGATGTGCTTGAAGAACATAGC TTGCTCCTTGATGGGGACGGAAGGTCATTCGGGTTTGCCGATTTTACGCTGTTTTACACG GGCTGGAAACAGACGCAATCACGCCTGCCCGATATGGGCGAAGGTTTCCCAGTTTGACTG TATGTGTTCTGCAAGCAGGGCAGGTCTTGTTCGGCGGCTTCGTAGTATGCGCCGTCCCA TTCTTCAAATTCGGGGAACTGTTTGCGCAGGGAAGGGATGTCTGCGCCTCCGTCGGCGAG CGTTTCGATGGTTTTGCCGTGTTGTTCGTAGAGGGCTTTGGCTTTGTCCAAGACTTTCGG CACGGCTTTGATTTTCCAGCGGCGCAGGCTGTCGGCAAGCGGGTTGCGGAAAATATATTC GCCGTAACCGGATGCGATGAGTTGCACGAAGCCGCCTTCTTCGACTTGGCTGTCGAGGTA TTGGGCGGTGTGTTCGAGGTAGGCGGAAACGAGGGTATAGAGCAGGGCGGATGGCTCTTG TTGGCGGATGTCTTCCGGAAGGGTAAGCGCAGTCATGGTATGCCGTCTGAAAAGTGGGGA TTATAGCGGATTGCGGCTTTGCGCCGAAAATATCCTTTAGCCTGCCGATGGCGTAAAATA GGCGCACGCCAACCACGCAAAGGAAAATCAAATGGACAATCTGAATCCGCAGGAAATTTC CGTGTTGCCGGAAAATCTGCCGCTGTATTGCTCGGGACCCGGCAACGAGCAGTGGAACGG TTGCGGCACGCGCTACCGCCTTGACGGCAAGATGCCGCATCATCATTACGCCTGAACGCA GCGGGCTTGTTCCGGCACCGGGATTCTGCCCGACGCCGCCCAGACGGTGAACGGCGGT TTCCGTTCCCCGCGTGCTGCCGCTATGGATGGTGGCGTTTCGCCTAGAGGAAGAAATCA TTGCCGCGACGACGCCATCACGCCGTAAATCGCCATCGGGATAACGGTTTTCTTGATAA TCGCACCTTCGGAATTTTTCACATCCAATACGGTACATACGGCGATGATGTTGTTGAGGC ACACCATATTGCCCATCGCGCCGCCGACGGCTGCAACGCCAGAATCAGGGTAACGGACA GGCCGGTATCCAAGGCGATTTGCTGCTGAATCGGGCCGAAGGTCAGGTTGGACACGGTGT TGGAACCGGAGAAGAACGCACCGATCGCGCCCAGATACGGCGAGAAATAAACCCAGTGTT CGCCCGCCATTGCGGCAAATTCCTTACCGATGATTTTCACCATCGAATTGTCGCCGCCGA CCAGCATCAGCTGAACCATAATCAGCGCGCCCATCAGGGCAAGCAGCGGTTTTTTGGTTT GATTGAAGGTTACGGAATAAATCGTCCAGGCATCTTTGAATTTGGTTTTATACAGCAGGA TGCAAATCCAAACGGTCAGCACAAACGGAATCCAAGCCGGGACGTACAGCGTTTGGTAAG ACGCGCTGACATCTTGTCCGAAAATATTGCCGAAGGTAATCGTCAGGGAGTCGCTGACGG TGCCTTTGATGCCGAGCTGTTTGATGCGCGTAACCACCAGCATGCCGATCAGCATACCCA AAGGGGCGAGTGCTTTGGCGACTTGGGCGAACGGCACTTTTTCGGCATTCGGGTCTTTGG CGTGGTCTTTGCTCAAGCCCCAGCCTTGGTTGGCGGCGAATACGGACACCATCAGGCCGA TCGCGCCGGCGACGACGACGGGAATTCTTCGTTGACCATCGCCAATGCGACATAAGGAA TGGTGCAGGAGAAGACGGCAATGGCGACGAAGCCCAAGTTTTTGCGGATTTCAGACCAAG GTACGATGAAGCCCAAGCCGATGACGGGGATGACGAAACCTGCGAAGAAGTGCATTACGC CGGTCTGCCTGCCGATGGCGAGGATGTCTTCGGCACTCAGGTTCAGCGGTGCGAAACCGA ACCAGGTCGGCGTACCGACCGCGCCGAAAGAGACGGGGACGGAGTTCATCACCAAAGTGA AAATCGCCACTTTCAACGGGTTGAAGCCCAAGCTCATCAGAATCGGCGCGCAATCGCGG CAGGCGTACCGAAGCCGGATGCGCCTTCAATCATAAAGGCAAAAGCCCAGCCGATAATCA AGCCCGTGGTTTCCATCATACGGTTGAACATAATCGCGCCGAAAATCACGGTAATCGGCG TGAGCGTTTTGACGAGGCCGGAAGCGGCGGTGGCGTTGAGCAGCATGCCCGCATCGTCGA agtagaaaagtttgatggcgtaaatcagcactgcggtaatcggcagcgcgacgtaggagg GCATACTGTTTTTTTCACCATCAGCCAAATCAGCAGGACGATGGGGAATATGCTGAGGA AAAGTGCCATAACGAATCCTTTTTAGGCATTTGCATCATAAGGCGCGTCGAGGTTTGGAA AGACGTTCAAATCCCGTACACCCGATATTTTGGTTAAAAGATAAATTGGTAAGACCAATT GTTATGCGTTTGCACACTTTACGTAATCTTATGTAATCGGTCAAGCATTTTATCGATAAT TGTAAAAAAGCCGCCCGAAAGGCTTCAGACGGCATTTTCAGTATTTTTCCAGCGGCACG AATACCGCGCCGTCCCGCCGCGGGGGGTTGAAGCATAGTCGTTATGCCAGTCGCCC ATCAGCCTTTCCGCACCGAAGGCGCGTACCTGCCGCGCGGTAAAGGCGGCATTGACATCC ATAATATCGGCGGGCTTGACCTGTTTTTCCATTTTGCTGACACGCCTGATTTTGGTGGCA AGGCGCGTGCGCCACTTCAGGGGCAGCATTAGGAACAGTTTTTGCAGCCGCTTCCGATGC ACGATTTTGCGGAAACGTTGGTATGCCCTGTCATCTGTACACAGAGTGTCGCCGTGGCAG ATGAGGGTTTTGCAGCCGAACAAGTCCAAAACCGAGTAATCCGGCAGCAGCGTCATGCCC GCCTGCCGGCAAAAATCCTGACCGATCAGGAAGTCGCGGTTGCCCCTGACGAAGAACACG

GCAACGCCTTTGTCGGACAATTTCCTGATTTCACGCGCAACCGAAGTATTCAACTCGGAA ACTTCGTCATCGCCCACCCAAAAATCAAACAAATCGCCCAAAATGTAAATCGCCCGCGCC TGCCCGGCGGCGGAAGAACGTAAAAAACGCAGCAGCAGCGCGGTCAGTTCGGGCTGCTTT TCGCTCAAATGCAGGTCGGAAATGAAATAGGCGGGTTTCATAGGCAGGTTTCCAATCGGG CGGATGTCGGGGCGGATTATAACGCGCCCGGCGGGGGCAATACGGCAAATGCCGCGCC AAGCATCGGGCATTGGCGGAACCGGGGTTCGGGCGCGTTAAAAATGCCGTCTGAAGGCTT CAGACGGCATCGAGGGTGCGGGATGCGGTAAGGTTTTGCCGGCAAGATATGGGGTGGTGC CCATATCAAACTCTCCGGCTTCAAATCTTTTACCGACCCGACCACGATTCATGTGCCGGG GCAGCTTGTCGCGGTTATCGGGCCCAACGGCTGCGGCAAGTCGAATGTGATTGACGCGGT GCGCTGGGTGTTGGGCGAGGCTTCGGCGAAGCAGCTTCGTGGCGAGAGTATGCAGGACGT GATTTTTAACGGTGCGGCGACGCCCTCCTGCGCCGAGGGCTTCGGTGGAGCTGGTGTT TGACAACAGCGACCACAGTTTGCAGGGGGGCGTGGGGGCAGTATGCCGAGGTGAGCATCAA GCGGCAGCTGACGCGGCAGGGCGAATCGACTTATTTCATCAACAATCAGACCGTGCGCCG CGAGCAGGGGATGATTTCGCGCATCATCGAAGCGCCGGAGGAGGTTGCGCGCCTATAT CGAGGAGGCGGCGGGGGTGTCCAAATATAAGGAACGCCGCAAGGAGACGGAAGGTCGTCT GAAAGACACGCGCGAGCATTTGCAGCGTTTGGGCGATTTGCAGAACGAGTTGGCGCGTCA GGTGGAAAAGCTGGAAAAACAAGCGGAAACCGCCGAACGCTACAAATCCCTGACCGCGCA GCTGAATCAGCAACAGGATTTGCTCGATTACGCCCAATGGCGGCAATCGCTTGCCGCCGC CGATAAGGCGACCGCGCAGCATCAATCTTTGCAGGCGCAGCAGGACGAAACCGCCGCGCA GGTTCAGGCGTTAAACGACGAAGTACACGCCTTGCAGACTGCCGAACAGTCGCAGCAGCA GGCAGTGCATGAATTGAGCAACAAGCGCGCGTGTTGCGCGAGCAGATTGCCCGTTTGGA GCAGGCGCAGTTACAACGCATTCATCAAGAGCAGCAGCAAATCCGCGTGCAGCTTGAAGA **ANACGAGTTGCAGGTCGAAGAAAAACCAAACCGAGCTGGCGGAATGGGCGATGCAGGTTGC** CGAACACGAGGAGCGTCTGCCCGAATTGGAAGAAGCCCAAGCCACGCTCAACGCCGCCTT CCAAACCCAGCAGGACGAGGCAAACCGCATCCGCCGCGAACTGGCGTTGAAGCAGCAGCA **GCTTGCCCATGCCGAACAAACGATTGCCAAGCACGAAGAGCGCAAAGGTCGTCTGAAACA** GGAAAACCAAGCCTTAAACCTGCCCGACGAAGCCGAAACCGCCGCCGCGCAGGAAGCAGC CGCCTTGTTGCAAAGTCAGCAAGAGCATTACGAAGAACAAATCATTGCCGCCGAAGAAGC CTTACACGCCGCCGCGAGGCGTTTCAGACGGCCTCAAACCGCTTCCAAAGCCTGAAGCA GCAACACATCACCTTGCAGGCGCAGCAGCAGCGTTGTCGCAAATCCTGTCGCAACAGCA GGAAGCCGCCGATTTCTGGCAGGCAACCGACCACGCCGCCGCGCGCAACTGTGGCAACA CATCACCGCGCCGCGAGTGGCAGCACGCCTTGTCCGTCATTCTTGCCGAACGCCTGCA CGCCGCGCCGTGCCGCAAGGTTTCGTGCCGCCCGAGCCTTTGCCGCAGGGGCAGGCGGC ATGGCTTTCAGACGACCTCTCAGGCGGCATCAAAAAATCCCTGCCCGTACAGGCATTGCT GAACCAAATCCAAGCGCAGCCGCCGTTTCAGACGGCATTGCACTACTGGCTCGACGGCGT ATTGTGCGCGCCCGATTTGAGCTATGCCCTCGCGCATCAAAACGATTTGGGCGCACACCA AATCTGGCTCACGCCCGAAGGTCATCAGGTCGATAAAGTCAGCGTCCTGCTCTATGCCAA ACCCGCGCAGGAAAGCCTGATTGCCCAAAAAGCGCGCCTCGACGGCATCGCGTCCGAACT GGAAAACCTCGCCCCGAACTTTCCGCCGCCGAAGCCGCGTTCAAACAGGCGGAAGCTGC CGTGCGCTCGTCTGAAGTGCAACATAAAAACCTGATGCAGCAGCAACAGCACACGCG AATCCGCCGCGAACACCGAGCGCGAACTGGCGCAGTTGGCGGAAGAACAGACCGTGTT GCAACACACGTCCGACGGGCTTTCAGACGACATCGTTACCTTGCAGGAAGCCGCCGCCGA ACAGGCGCAGCTTGCCCTGTTGGAAGCCAACCGCCAATACGGGCTTGCCGAAGTCGCCGT CCACAAACTCAACCAGCAAAAACAAAACTACCGGCAGCAAATCGCCCAGCTTGAACAGCA AACCCTCGACTGCAGGAACGCCAGCAAGAGCTTGCCCTCGCCTATGAAACCGAGTTCCA AAACGACGAGCAGCACATCAAGCTTGAAGAATTAAGCGAAGCCGTACAGACCTTGGACGA AGAATATATTGTTGTGCAAGAGAAACTCGCGCAGATTCAGGAACAGGGCAGGAGCAATA CGCTAAAGTGCAAACCCTGCAAACCAAGCTGCCGCAGCTTCAGGCCGCCACCCAAACCGC CTTGTTGCAGCAGCAGGAAGCCCTGATCAACGCCAAACGCTACCATCAAAACCTGACCGA ACGCGCCGCCGATTTGGACGCGCTCGAAGCGTTGGCGAAAGAATCGCCGAAAGTATTGAA CAGCAGCATCGGCAGCCTTTCGCAACAAATCGAAGCACTCGGCGCGGTCAACCTCGCCGC CCTGCAAGAACTCGAAGAAGCGCGCGAACGCGACGGCTACTACCGCAGCCAAAGCGAAGA CGTGCAGGCAGCCATCACCCTTTTGGAAGAAGCCATCGCCCAAATCGACGACAAAACCAA AGCGCGTTTCAAAGAAACCTTCGATGCCGTCAACAGCAAAGTCCAAACCTTCTTCCCGAC CCTGTTCGGCGGCGAAGCCACTCTCAAAATGATAGGCGACGACCTACTGACCGCCGG TGTGTCCATTATGGCGCGTCCGCCCGGCAAGAAAACAGCACCATCCACCTCCTCCGG CGGCGAAAAAGCCCTCACCGCCATGAGCCTCGTGTTCGCTCTGTTCAGCCTCAACCCCGC TCCGTTCTGCCTTTTGGACGAAGTCGATGCCCCGCTGGACGACGCCAACACCTCGCGTTT CTGCAGGCTGGTCAAAGAAATGTCGGCGCAAACCCAGTTCCTCTACATCTCCCACAACCG CCTGACGATGGAAATGGCGGAGCAGCTGGTCGGCGTAACCATGCAGGAAAAAGGTGTCTC GCGCGTCGTCGCCGTGGACATCAAACAGGCGTTGGAAATGGCGGAAGCCGTTTGAACGGG TTGCAGAACGGCTGAATCTTGCCGTTTTTAATGAAGTGTTGCGATATGGGTTTTCAGACG **GTATTTCAAACAGAACAGATTAAAATCAAATCCAAATCCATAAAAAATGCCGTCTGAACA** ${\tt GCGTTCAGACGGCATTTCGATGTGTACTGCCACGTCAAATCAGTGGTGATGGCCGCAGCC}$ GCATTCTTTTTCATATCGATCACCATACGGCCGGTGATTTTTGCCTTCGCGCATTTCTTG GAAAATGGCGGGTGCTTCATCCAAAGCACGCAGTTGGACTTTCGGCACAACCAAACCTTC CGCGCCGAATTGGAAGGCTTCTTCCAAATCTTTGCGCGTGCCGACCAAAGAGCCGACCAC TTCGATGCCGTCCAAAACCAAACGCGGGATGGACAAATCCATCGATTCCGGCGGCAGCCC GATGGCAACCACGCCCGCCCGCGCGGACGCAATTCACGGCAGAGTTGAATGCGGCAGC AGATACGGCGGTTACGACCGCAGCGTGTGCGCCGCCGGTTTTTTCCTGAATCACTTTGGC

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AGCGTCTTCTTTGGCGGCGTTGACAACCAAATCCGCGCCGGTTTCTTTGGCAAACGCCAG TTTGTCGTCGTTGATGTCGATGGCGACAACGTGCGCGCCGAATACTTTTTTCGCGTATTG GACCCCCAAGTTGCCCAAACCGCCCGCGCCGTAGATGGCAATCCACTGTCCCGGACGAAC GCCGGAAACTTTAATGGCTTTATAAGTGGTTACACCGGCACAAGTAATGCTGGAAGCTTG CGCAGGATCCAAACCTTCAGGGACTTTGACCGCGTAATCGGCACTCACGATACAGTGGGT CGCCATACCGCCGTCGGCGGTGTAGCCCGCGTTCAATACGGAACGGCACAGGGTTTCGCG GCCGGTATTGCAGTATTCGCAAGAGCCGCAGCTTTGGAACAGCCAAGCGATGCTGACGCG GTCGCCGACTTTCAGATTTTTCACACCGTCGGCAACTTCTTTAACCAAACCGATGCCTTC GTGTCCCAACACGCGGCCCGGTTTTTCGCCGTAGTCGCCTGCCGCAACGTGCAGGTCGGT GTGGCACACGCCGCAATATTCGACTTCGACCAATGCCTCGCCGTATTCCAACGGGCGAAC TTTCATGATTGCGCTCCTTAGTTACGGCAAAAAAACCTGTAAACGGAATGTTGTCCGATA TAAGGGTAAGCATACGCTTCCGCATCTCACAGGTCAAGTGGTATGTTGTTGAAAAATATA GATTATATGTTATATTATAACATCTTGGAAAGGCACGGCATCGGGGCCGGTTGCCGGATGA GGGGCGGCAGGTTTCAAGTTTGAAAAACCGGACGGCAAACCCGTAAAGATACCGTCTGAA GCTGTGTCCGGACGCATCTTTACGGGTTTGCGGGGCTTCGGCGGAGGATTAGTCGAAGCC GGGGCAGGATTGGTTTGTACCGGAAGCGGCAATGGTACCGCCGTCGTTGAGCGTAACGAC GCAGGTTTCGCCGTCGTTGGTGGTGGGATTGGGGTCGGCCTGAAGGGTAAAGTGGTCGGG GCTGACTTCGCTTAAAGTGATATCGAAATATTCGTTTTGTTTCAGTTTTGTTTTTTGTCGTA GGTTTTAAACGTCCCTTTTTGGCGGTAGTAACGTTCCATGGTCTGCGCGTTGTGCAGCAG GGTCGTCCTGACTTCCGACAGGCGGACGCGCCGGATGTAGGTTTTATAGGAAGGGTAGGT GATGAGCGTCAGGATGCCGAGGATGGCGACGGCAATCATCAGCTCGAGCAGCGTAAAGCC CGCCGTATCGGAAATGGCGGAATATGTAAACGGATTGAAATTTTCGGGAAAGCAGATTGT ATAAGCCATTTAAAACAAATGGTTATTTTTATTGTCGGCAGTTTGCCGCCTTGGATGGGG CAGGGACTTGCGGTAGAATCCGCTTCCGATTTATGGGATTGACGCATACAGAGAATTGAA AACATGGCAAAAATGATGAAATGGGCGGCTGTTGCGGCGGTCGCGGCGGCAGCGGTTTGG GGCGGATGGTCTTATCTGAAGCCCGAGCCGCAGGCTGCTTATATTACGGAAACGGTCAGG CGCGGCGACATCAGCCGGACGGTTTCTGCAACAGGGGAGATTTCGCCGTCCAACCTGGTA TCGGTCGGCGCGCAGGCATCGGGGCAGATTAAGATACTTTATGTCAAACTCGGGCAACAG GTTAAAAAGGGCGATTTGATTGCGGAAATCAATTCGACCTCGCAGACCAATACGCTCAAT ACGGAAAAATCCAAGTTGGAAACGTATCAGGCGAAGCTGGTGTCGGCACAGATTGCATTG AAAGAGGATTTGGAAAGCGCGCAGGATGCGTTTGCCGCCCAAAGCCAATGTTGCCGAG CTGAAGGCTTTAATCAGACAGAGCAAAATTTCCATCAATACCGCCGAGTCGGAATTGGGC TACACGCGCATTACCGCAACGATGGACGGCACGGTGGTGGCGATTCTCGTGGAAGAGGGG CAGACTGTGAACGCGGCGCAGTCTACGCCGACGATTGTCCAATTGGCGAATCTGGATATG ATGTTGAACAAAATGCAGATTGCCGAGGGCGATATTACCAAGGTGAAGGCGGGCAGGAT ATTTCGTTTACGATTTTGTCCGAACCGGATACGCCGATTAAGGCGAAGCTCGACAGCGTC GACCCCGGGCTGACCACGATGTCGTCGGGCGGTTACAACAGCAGTACGGATACGGCTTCC AATGCGGTCTACTATTATGCCCGTTCGTTTGTGCCGAATCCGGACGGCAAACTCGCCACG GGGATGACGACGCAGAATACGGTTGAAATCGACGGCGTGAAAAATGTGCTGATTATTCCG TCGCTGACCGTGAAAAATCGCGGCGCAAGGCGTTTGTGCGCGTGTTGGGTGCGGACGGC AAGGCGGCGGAACGCGAAATCCGGACCGGTATGAGAGACAGTATGAATACCGAAGTAAAA AGCGGGTTGAAAGAGGGGGACAAAGTGGTCATCTCCGAAATAACCGCCGCCGAGCAACAG GAAAGCGGCGAACGCGCCCTAGGCGGCCCGCCGCCGATAAACGAATATGCCGTCTGAA CACGGAAACGGTTTCAGACGGCATTTGTTATTGATTTACGGAATATTATGAGCTTGATCG AATGTAAAAACATCAACCGCTATTTCGGCAGCGGCGAGAACCGCGTCCATATTTTGAAAG ACATCAGCCTGTCGATAGAGAAGGGCGATTTTGTCGCCATCATCGGGCAGTCCGGTTCGG GCAAGTCCACGCTGATGAACATACTCGGCTGTTTGGATACCGCCGGTTCCGGTTCGTACC GAATCGACGGCATCGAAACTGCCAAAATGCAGCCTGACGAGCTGGCGGCATTGCGCCGCG AACGCTTCGGTTTCATCTTCCAACGCTACAACCTCTTAAGCTCGCTGACCGCAAGGGACA ACAAACTCTTGCAGGATTTGGGTTTGGCAAGCAAAGAGGGCAACAAGCCCGGCGAACTCT CGGGCGGACAGCAGCGCGCTCTCCATCGCCCGCGCCCTGATGAACGGCGGAGAAATCA TCTTCGCCGACGAGCCGACCGGCGCGCGCGCAAAAACGTGATGGAAA TCGCCGCCAATGCCAACCGCGTCATCGAAATCCGGGACGCGAAATCATTTCCGACACCT CGAAAAATCCCGAAATCCCCGCAAGCAATGTCGGGAGGATTCGGGAAAAAGCTTCGTGGT CGTTTTATTACGACCAGTTTGTCGAAGCCTTCAGAATGTCGGTGCAAGCAGTATTGGCGC ACAAAATGCGTTCGCTTCTGACGATGCTCGGCATCATCATCGCGTATCGCGTCGGTGGTTT CCGTCGTCGCATTGGGCAATGGTTCGCAGAAAAAATCCTTGAAGACATCAGTTCGATAG GGACGAACACCATCAGCATCTTCCCGGGGCGCGGCTTCGGCGACAGGCGCAGCGCAGGA TTAAAACCCTGACCATAGACGACGCAAAAATCATCGCCAAACAAGCTACGTTGCTTCCG CCACGCCCATGACTTCGAGCGGCGCGCCCTGACTTACCGCAACACCGACCTGACCGCCT CGCTTTACGGCGTGGGCGAACAATATTTCGACGTGCGCGGACTGAAGCTGGAAACGGGGC GGCTGTTTGACGAAAACGATGTGAAAGAAGACGCGCAGGTCGTCGTCATCGACCAAAATG TCAAAGACAAACTCTTTGCGGACTCGGATCCGTTGGGTAAAACCATTTTGTTCAGGAAAC GCCCCTTGACCGTCATCGGCGTGATGAAAAAAAGACGAAAACGCTTTCGGCAATTCCGACG TGCTGATGCTTTGGTCGCCCTATACGACGGTGATGCACCAAATCACAGGCGAGAGCCACA CCAACTCCATCACCGTCAAAATCAAAGACAATGCCAATACCCAGGTTGCCGAAAAAGGGC TGACCGATCTGCTCAAAGCGCGGCACGGCACGGAAGATTTCTTCATGAACAACAGCGACA GCATCAGGCAGATAGTCGAAAGCACCACCGGTACGATGAAGCTGCTGATTTCCTCCATCG CCCTGATTTCATTGGTAGTCGGCGGCATCGGCGTGATGAACATCATGCTGGTGTCCGTTA

TGCAGCAGTTTTTGATTGAGGCGGTGTTAATCTGCGTCATCGGCGGTTTGGTCGGCGTGG GTTTGTCCGCCGCCGTCAGCCTCGTGTTCAATCATTTTGTAACCGACTTCCCGATGGACA TTTCCGCCATGTCCGTCATCGGCGCGGTCGCCTGTTCGACCGGAATCGGCATCGCGTTCG GCTTTATGCCTGCCAATAAAGCAGCCAAACTCAATCCGATAGACGCATTGGCACAGGATT GAGGTTGGACAAAGATGCCGTCTGAAGCTGCAGGACCGGTCATTTTGGAGCAGAAACTTA TTGGATAAAACGGTTTCTTAGATTCTACGTTCCAGATTCCCACTTGCGTGGGAATGACG GCGGCGGGGTTCGATGATTGCACACACGCTCGAGTCCCGTCATTCCCGTAAAGACGGG AATTCGGTTCGTTCGGCTTTGCTTGTTTCGGATAAATCACGGTAACTCAATATTCCAGAT TTCAATGGGTTAGGATGTTTTGTTGGCTTGCTAACTTTCAGGGCGGATTGGTTTTCAGG ATTTTTGCGGATGATTTCCTCCAGTTGGGGCATCGGGCTGTAGCCGCTTTGGCTGCGCCC GTTGGGGAAGACGAGGGTCGGCGTGCCGTTGAAGCCGAATTGTTCGCCCAAGGAAGTGGT TTCCGCGACGGGATTGTCGCAGATGCTGCCGCCGACCGGGAATTTGCCTTTACGCATCCA ATCCGTCCACGCTTTGGCGCGGTCGGGCTGACACCATAAGATTTGCGCCTTGCGCGCGGC ATCGGGGTGCAGGCCGGCAATGGGCATCATAAAGCTGTAAACCGTCACGTCGGTCATTTT TTCAAACTCGTGTTCCAAGCGTTTGCAGAACGGACAATCGGGGTCGGAGAAGACGGCGAC TTTCAGCTTGCCGTTGCCGCGCACTTCTTTGATGGCTTTGTCCAAAGGCAGGGAGGCGAA GTCGATTTTGTTCAAATCGGCGGCGCGTTCTTCGGTCAGGTTTTTGCGCGTGTCGATGTT GCTGACGACGACTTCGTAAATGCCTTTGACCGGTGTTTCGCTGACGCTCAACACTTTCAA ATCTTGGGCGGAATAGGTTTTTTCCAAACGCGCTTTCAAAGAGGCGGCAACGGATTTGCC GGCGGACTCGGCTTTGACGGCGGTTCGGCGTTGGCATTGGAAACGGGCGTTTGCCCGCA AGCCAGCAGCGGGAGGACGGTAAAGGGGGTCAAGATTTTGATTAACTTGGTTTTCATATA AAGATGATTGCGCGTGTTGGAAAAGCGGAATTGTATCAAATCTCTGTTGCGCCTGCATTG CGCCTAGGCTCAATTTATCGTCTGAAAATAGCTTCCGGCTGTTAAAATACGCAAAAAATG ATTTGCTTGTTTGTATGATTTACCACCGCATCGCCGTAAACGTGCCGCTTTCAGACGGCC TTTTGACTTATTCCCATTCCGATCCGCTTCCTCCGGGAACGCGGGTGCTTGTGCCTTTCC GCAATAAAACCGTGGTCGGGATGGTGTGGGAAACGGATATTGCGCCCGATATGGATATGG CGCGGATTTTGAGTGTTCAGACGGCCTTTGTGGAAGAAAAGCCGTTGCCTGAAAGCTGGC GTGATTTGTTGGCATTTACGTCGCGTTATTACCACTATCCGACTGGGCAGGCGGTGTTTG CCGCGCTGCCGCAGGGTTTGAAGGAAACGCGCGCGGTGGAAATGCCGCAGCCGCCGTTGT TTTATGCTTTGAACGAAGCGGGCAGGGCGCAAACGCCGCCACCAGCTCGGTTCAACAAAA AAGCGGCTTTGTGGGACGCACTGCTTTCGGGCGGAATGACGATGGCAGCGTTGAAGCAGG TAAACGCGCAGGCGGCGAAATTGATTGAAGATTGGGCGGAGCAGGGTTGGATTGAAACAA CGGAAGCGGCGAAACCTGTATTGAGGTCGTACCACGGGCAGGCTTCGCACTCTGAATTTG TGTTGAATGCCGACCAGCAACAGGCTTCCGATGAAATTCAGACGGCCTTCGGCAGCTTCC **AGCCGTTTTTGCTGTACGGCATCACCGGCAGCGGCAAGACCGAGGTGTATTTCGATGCGA** TGGCGAAAGTGTTGGCGCAGGGGCGGCAGGTGTTGTTTCTGTTGCCCGAAATCAACCTCA CGCCGCAGCTTTTGAAGCGGGTGGAAAACCGTTTTGCCGACGTGCCGACCGCCGTGTTGC ACAGTCAGATGGCGGCAGGCAAGCGCACGCAGGATTATTTGCGCGCGATGTTGGGGCAGG TTGTGGTCGATGAGGAACACGACGGCTCGTTCAAACAGGACAACGAATTGCGCTACCACG CCCGCGATTTGGCGGTGTGGCGGGCGAAGCAGGGCGGCTGCCCGATCATATTGGGCAGTG CCACCCCAGCTTGGAGAGCTGGCACAAGGCGCAAAGCGGCGCGTACCGCCTGCTGCAAC TGACCGAACGCCCCATACCGCCGCGCAACTGCCGCAAGTGGACATCCTCAACGTAGGCC GTCTGAAACTTGACAACGGCTTCTCGCCGCAAGCCTTGCAGCTTTTGAAACAGAACTTTG **AAGCAGGTGGCATGTCGTTGGTGTACCTCAACCGTCGCGCGTTCGCGCCCCGCGCTGTTTT** GCGGCGACTGCGGTTATACCTTCGGCTGCCCGAACTGCTCCGCCAAAATGGTGCTGCACC AACGCGCCCGCCAACTGCGCTGCCACCACTGCGACCACCGCGAACCCATCCCGTACAAAT GCCCGACTGCGGCAACCAAGACCTGACCGCCGTCGGCCACGGCACGCAGCGCGTCGAAG AAACCCTGCGCACCTTCCTGCCCAAGGCAGCCGTCGTCGTGTTGACAGGGACAGCACCG CGCACAAAACGACTGGGCGGATTTGTACCGCCGCATCGCCGACAACAAATCGACATTT TGGTCGGCACGCAGATGCTCGCCAAAGGGCATGATTTCGCGCGGCTCAACCTCGTTATCG TGTTGAACGCTGACGGCAGCCTGTACAGCGCGGACTTTCGCGCCCCGGAAAGGCTGTTCG CCGAGCTGATGCAGGTGTCCGGCAGGGCGGGGGGCGCCGACAAACCCGGCAAGGTGTTGA TACAGACCCAACTGCCCGAACATCCCGTCTTCGCCGCCGTCAAAGCGCAGGACTACGCCG TGTTTGCCGAAAACGAATTGAACGAGCGGCAAATGTTCGCCATGCCGCCCTTCGGTTTCC AGACCGCCGTCCGCCGCGCGCGCGCGCGCGTTGCCGATGCGAGTTTCTCAATGCCG CCAAAGAAACCCTCGCCCCGCTTTTGCCCGAAAGCGTTTCACAGTTCGGCGCCCCCGA TGCTGATGGTGCGCCTCGCCGAACGCGAACGCGCGCAAATCTTCCTCGAATCTCCGTCCC GACAGGATTTGCACCGTGCCGTGAGTTTGTGGGCGCAGGTGTTGCAGCAAAACCGCGACG GCAAAATCAGATGGTCGGTGGATGTCGATCCGCAGGAGGCTTGATTATTGGCAATCCGAT GCCGTCTGAAAACCGTTTCAGACGGCATTTTTATTCCGGATCGTCTGTAAACGCATTCGC CCGAAATATCGGTATAAACGTGAAAAGATACAGTACGAATACGGCGGCGGTCAGAATCGC AGGAACGGTAATGAAAAATATCGGGTTCACGTTCATCAAGAAAGCGCGCGAGACGGCGGC GGCGAAAAGGATGGGGACGGCAATGCGGCAGAGTTTGGGTAGTCGAGTTTGGTAAAGCC GCTGTGCCACAGTCCGGCGGTCAGCCACCATCATCACGCCGCCCATCATGCCGCCGAG GGTAATCAGGTGCAGGGGGGGGGGGGGGGGGGTTTTGTAATTTCGCCGCGCCTGTCCA CAAATAGCCTGCGGCGCAAAGAGTTGGAGCAGGTAATAAGTGCGGACGTAGTGTTTACG TAAGAGTTCGTGATGGTGAAGCTCACGCAGCTTGGCGAGCAGGATGAAGCCGACGGCGAG CGCGGTAAAACCGGCGGTTTGCGCGGGCAGCCAAAGTTCGGCGGCGCGTGCAAGAGCAG GAAAGTAATGGCGATGTTTTTATAAACGATATTTGGAATAAAAACAGGGTCTTTCAGACG GCATTCTTTCAGGGCTTCCGCGCCCAAAAGAATACTGACGCGCACGGATACGAACATCAC CGCCGCCATATTTAGATGCACTTGCGCGCGCAACAGGTTCAAATCGCCGCTGACGGCATA

· F.

Appendix A

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TGCCGTCTGAAAAACAGTGAACGCGGCAAGTAACATTAGCAGGGCGAAGTTGTCGGTGTT TCGGTCTAGCCAAATCAGCCGGGCGCAGAACAGCAGCAACACCAGCCAATAGGCGGCGAC GAAAAACGAGGCAGTTTGCGGCGAAAAGGGCAGTATAGCGGATGCGGCGAGCAATAATGC CGCCATCAAAGTCGCGACAGGTTTCAGGTTACCCGAAAAACCCGTCCAGTCCAACAAAGC CGCAGTCAAAAAACCGCCGTATGCCGCCGGCAGCATAAGTTCCAAGAAAATTTGGCGGTG CAGGACGATGGCACCGGGGTTGATGAAAAACACCAGCGCACCGAGTATGGCAAGCACCGC CGCGCCGACGAAAAACGGCCGCATAGCAACTGTATTTTTCACCCCGTCGGGCAAAAATAC CAAAACTCAAATCAAGCCGTCCGGATACCGTTTTCGGCGGTATCGTTTTCGGCAAAATAA TCACGCATCCGGGCATTCGATATCGTCAGCAGTTTGCGCATACATGCCGTAACGGCAACC TTATACGGCTTACCCTTGGACAGCAGCGTTGGTAGAAATCCCGAATAAGCGGTTCAAAA CGTGTCGCTGCCACGGTAGCCATATACAGTGCCTTACGCACCGCAGACCTTCCGCCAAAG CAGCGGCTTTTGAATTTGGTTTCCTCGCTCTCCCTCGGGTGCGGGCCAATGCCGGCCAAA CTCGCTATCCGTTTGTGCGACAGCCGCCCCAATTCGGGCAGCATCGCCATCAGCGTAGCC GTCGTTATCGAACCGATGCCTTTGATTTGCTCCGCCACTTGGGCTTTGCCGTCAAAATGC GTGTGGGTGTGGTCGATTTGTTTGTCCAATTCGTCAATCAGCCGGTCAAAATGGGCA ATCAGTTGTTTGACGCTTCCGACTTGCGTTTCATGAACCTAATGCAGACGGTTTTTCTCG GCAGTCCGCATATCCACCAGTTGGTTGCGGCGGTTAACCAAGGCTTCCAACACTTCTTCC GCGAAGAAGGCGAGCATTTTGGCATCTTTGGCGTCGGTTTTGGTCAGCGGCTGCGATTGG GCAAACTGATGCGTCTGACGCGGGTTGGCGATAATCACGGCTATGCCTGCTCGGCGGATG GCTTTGGCGGCGGGATTTCGAGACCGCCGGTACTTTCCGTCACGACGAGGGCGACCTTG TGTTTTTTAAGGTATTCGATAGTATGGGCGATACCTTTGGGGTTGTTGGTTTCGGTTTTG GTTTTAGACAAAGACGAAACGGCGATGACGAAGTTTCGTTTGGCGATGTCGATATAGTGA ATTAACAAAAATCAGGACAAGGCGGCGGGCCGCAGACAGTACGGATAGTACGGAACCGAC TCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGAC GTACTGGTTTTTGTTAATCCACTATAACAGCAACCCTGTCGCCGTCATTCCCGCAAAAGC GGGAATCCAGTCCGTTCAGTTTCGGTCATTTCCGATAAATTCCTGTTGCTTTTCATTTCT AGATTCCCACTTTCGTGGGAATGACGGCGGAAGGTTTTTGTTTTTTCCGATAAATTCTT GAGGCATTGAAATTCCAGATTCCCGCCTGCGCGGGAATGACGATTCATAAGTTTCCCGAA ATTCCAACATAACCGAAACCTGACAGTAACCGTAGCAACTGAACCGTCATTCCCACGAAA GTGGGAATCTAGAATCTCAGACTTTCAGATAATCTTTGAATATTGCCGCTGCCTTAAGGT CTGGATTCCCGCTTGCGCGGGAATGACGAATCCATCCGCACGGAAACCTGCACCACGTCA TTCCTACGAACCTACATCCCGTCATTCCCACAAGGACAGAAAACCAAAATCAGAAACCTA AAATCCCGTCATTCCCACGAAAGTGGGAATCTAGAAATGAAAAGCAACAAGCATTTATCG CACGGAAACCTGCACCACGTCATTCCTACGAACCTATATCCCGTCATTCCCACAAGGACA GAAAACCAAAATCAGAAACCTAAAATTCGTCATTCCCGCGAAAGTGTGAATCTAGAAATG AAAAGCAACAGGCATTTATCGAAAATAACTGAAACCGAACAGACTAGATTCCCGCCTGCG CGGGAATGACGGCTGCAGATGCCCAACGGTCTTTATAGTGGATTAACAAAAATCAGGACA AGGCGACGAAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGTGCTTCAGCA CCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCTGTACTGGTTTAAATTTAA TCCACTATATAAAAATTTCCAGAGAACCGATACAACAGTTGGAACTTGGGTTTGGGAAT ATTACGGTAGATGAACTTGGAACCTCTGTTATGCTATGGTCTTTTATCTCAATTGAAAAA TTCGCTTTCGCCTGCTTGGGCTTCAGCTTGTGCTTGAGCGTAAACCATTTCCCCCAGTTT TTGGCTGGCTGCGCCCAGCGCCTCGGTTTTGGCATCGATAGCGGCTTTGTCGTCGCCTTT TTTGTCGCCGTAGTCGGCCAAAGATTTTTTCACAGAGTGAATCAGGGCTTCGGCTTGGTT GCGGGAAGCGACCAATTCAGTCAGTTTTTTATCTTCCTCGGCATTGGCTTCGGCATCTTT CACCATGCGTTCGATTTCTTCGCTCAAACCTGAAGAACCTTGGATGGTGATGTTGGC TGCTTTACCGGTGCCTTTGTCTTTGGCGGAAACGTGCAGGATGCCGTTGGCGTCGATGTC GAAGGTTACTTCGATTTGCGGCATACCGCGCGGTGCAGGTGCGATGTCGCCCAAGTTGAA CTGACCCAAAGATTTGTTGGCAGAAGCGCGTTCGCGTTCGCCTTGCAGTACGTGGATGGT TACTGCGCTTTGGTTGTCTTCGGCGGTAGAGAACACTTGCGACGCTTTGGTCGGGATGGT GGTGTTCTTCTGAATCAGTTTGGTCATCACGCCGCCCATGGTTTCGATACCCAAAGACAG AGGAGTTACGTCCAGTAGCAATACGTCGCTGCGGCCGCCGCTCAATACTTCGCCTTGGAT CGCTGCGCCTACGGCAACGGCTTCGTCAGGGTTCACGTCTTTGCGCGGAA GAAGGCTTTAACGGCTTCTTGTACTTTCGGCATACGGGACTGCCCGCCGACCAAGATTAC GTCGTCGATGTCGCCGGTGCTCAAGCCGGCATCTTTCAATGCAATTTTGCAAGGTTCGAT AGAGCGGGTAATCAGGTCTTCAACCAGGCTTTCGAATTTGGCGCGGGTAATTTTCATCGC CAAGTGTTTCGGGCCGGTTGCGTCCATGGTGATGTACGGCAGGTTAATTTCGGTTTGCTG GCCGCTGGACAATTCGATTTTGGCTTTTTCGGCAGCTTCTTTCAGGCGTTGTAGAGCCAT CACGTCTTGTTTCAAATCAATGCCTTGTTCTTTTTTGAACTCGGCGATGATGTGGTCGAT GAATTGTTTGTCGCCGTCGAGGTTGGCGATTTCGATGATGGAAATATCGAAAGTACCGCC GCCCAAGTCATATACGGCTACTTTGCGGTCTTTGTTGTCGCCTTTGTCCATACCGAATGC CAAAGCGGCTGCGGTCGGCTGATGATGCGTTTCACGTCCAAACCGGCGATACGGCC TGCGTCTTTGGTGGCTTGACGTTGGCTGTCGTTGAAGTAGGCAGGGACGGTAATCACGGC TTCGGTTACTTTTCGCCCAAGTAAGCTTCGGCGGCTTCTTTCATTTTACGCAGGACTTC TGCGGAAATTTGAGGAGGAGACAGCTCTTTGCCTTGTGCTTTTACCCATGCGTCGCCGTT GTTGGCTTTGATGATTTCGAAAGGCATAGATTCGATGTCGCGTTGGACTTCTTTGTCTTC AAATTTGTGGCCGATCAAACGTTTGGCGGCGTAAATAGTGTTTTTGGCGTTGGTTACCGC TTGGCGTTTGGCAGGCGCACCGACGAGGATTTCGCCGCCGTCCAAATAAGCGATAACGGA CGGCGTGGTGCGCCTTCTGCGTTTTCGATCACTTTGGTTTGACCGTTTTCGGAAAT

GGCCAAACAAGAGTTGGTTGTACCTAAGTCGATACCGATTACTTTTGCCATGTGGATAAT CCTATTTGATTTTGCTTATTTTGAGAAATATGTTGGAACATTTTGTCCCGATGGGCTGTA AATAGGGCGGCGGCGGCTGTTTCAAGCTACAGCATGGCTATAAGTATATAACTTTATG AATATATTGGTTTTATATTTGATTTAATACATTTGGCTCCAATGCATTCAAGCATAATGT TTCAAATGGCAGGCAGGTTTATTCATAGACGATGCCGGCGAGCATTTCCTGTTCGAA GTTGCCGTACTCTTTTCCCAGTCGTGTGAAGACTCGATGATGTCGCATTCTTTGGAAAG GGAGACTTGTTCTGCATCCATATCTTTGGCGTTCAGTATGTTGAATTGTTCGCACAGGGA TGCGGATAAAGTGATGTCGGGCTGTTTGGCTTCAGAACGGTTTTCTTGGAAGGCAAAGCA GAATGCGGTAAATGCCGCAGTATAGATAAGATATTTGCCGGTTTTCTTCATTTTTCTATC CTTTTTCTGTCAATTCAGGATTAAACCTATGGAAAAATCTGAAAAATTATGTATTAAGTA AGAAAAATCATAATTTAAATTTAGTTTATCATAATTGTTCCGTTTTTTGGATAGCTAAGG TAAAATATATTCATGTTTACTTTAGATGATGAATGAAGGGGAGTGGAAGGATATTTAT GGAAACCTTTAAAGACAGACTGGTTTTTTTATGGAAAAGCGAAGCGAGGCAAAAAAT CGCATCCGATATTGAAATGACGATTGCGGGCTTCAGCAGGATATGGAATGAAGGCGGTCT GCCAAAGTCTGAAACATTGAAAAAAATCAAGCAGTTGAAGGGGTGTAGTATCGATTGGCT GCTGACCGGGGAGGGTAATCCGTTTCCGGATGAAGCCCCCAAAAAAATCCCTTGCTTACGA TACTTTGGGCAATGAAGTCGATACGGACGAGTTTGTCTTCGTGCCGAGATATGATATTCG GGCGGCTGCGGATACGGGCAGTTTGTCGATCATGAGGAACCGGTATTTACAATGGCGTT CGTCAAGGGGGATTCGATGGAGGGGGTTTTGAATGACGGCGATTCGATTTTGGTCAATCA TGGTGAAAATACGCCGAGGGACGGTCTGTATGTGTTGCGGATTAATGAAAATCTGCTGGT TAAACGTTTACAGATTGTACCGGGCGGGATTATCAATGTGATTTCTGCAAACGAGGCTTA TCCTGCTTTTGAAATCAATTTGAACGATTTGACCGATGATGTGGAGATTATCGGGCGTGT CGAGTGGTTCGGCAGGACGATTTGAGTTTGGGGCTTGAAATTGCAGGCGGTCAAACTTAT CTATTGGAACAATTCCTTTTTCAAAGGCGAAGCCTGCTTGCCTTTGAAGGGGGTTTGAGA GAGAATGCAGAAAATATTATATTAAGGAATAACACCATGTCGGATGAAAGCCCTATTATT TTTACTGACAGCTGCTGTGCCAAAGTTGCCGATTTGATTGCCGAAGAAAACAATCCCGAT TTGAAATTGCGGGTTTTTGTCAATGGCGGCGGCTGTTCGGGTTTCCAGTACGGATTTACT TTTGACGAAATCAAAAACGACGACGATTTTGAAATTGAGAAAAACGGTTTGGTCTTTTTG GTCGATCCGATGAGCTATCAATATCTGGTCGGTGCGGAAATCGACTATACGGAAAGTTTG CAGGGTTCGCAATTCGTCATCCGCAATCCGAATGCGGAAACAACCTGCGGTTGCGGATCG TCGTTTTCCGTATGACCGCTTGGTTTGTGTGATGCCGTCTGAACGTTCAGACGGCATTTT TACTTTTAGAAAATATATTATCGGGATGAATTCACATATAATCCGATTGTTTGAAGATGA ATCGGGTTTCCCGAAAGGAACGGCGGAACGGTATCAGGCGTATTTGTTCCCTTATGATT GAGATGAGTAAAGATTACCGAAACGATTTGTACGATGTATATGTTTCTTACCCGCCCAA GTGGATCGCGGGCTTATCCGGGAGTGCCTTAAGGAGAATCTCGGCGAGGAAAAGGCGGAA GGATTGATCGAATCGCTCGATTCCAAACCTCAAGTGCTGGTTGAGGAAAAATGCACTTGG GCGAAACGGGAAGAGTTGCATGATTATTTCAGCTATTTGGGTTTGGATATTATTACCCGG GCGGATGGGGAAATGCCCGAATATCTTGAACTTCACGGCGGGGGGAAGATGATATTTCC GCACCTTCGCAACCCGAACCGCCGTCCCGCAATATCAAACTGCTGGTTTTCGGGCTGCTG ATTGCCTTTTTGGGCTATCTGCTCGGTAAGATTTTTTGATTGTCCGATAAATGCTGTATT CGGGATTTTATATATGAAATGGTTGAAACGCCTGACGGTTATTGTCGGGACTTTTTACCG CTATCGGCTGGCAGGTCTGTGTGCTTCGCTGATGGGTAGCGGTTGGATATGCGCTCTGCT GAAAATGATGCCGCAGTCGTCCAAATTGAAAAACGAACCGCCTGCTGCCGTCTGCGCCT TGCCTTGGAAAGCCTGGGGCCGATTTTCATCAAGTTCGGGCAGGTTTTGTCCACACGCCC CGATTGATTCCGCACGATTACGCCGTCGAACTGGCAAAGCTGCAAGACAAAGTGCCGCC TTTTGACGCGCGCTTTCGCGTGAACAAATCGAAAAATCGTTGGGTCAGTCCATCGAAAA GCTGTATGCGGAATTTGAAACCGAGCCCATCGCCAGCGCGTCCATCGCCCAAGTACACAA AGCCCGCCTGCATTCGGGCGAACAAGTGGCGGTTAAAGTTTTGCGCCCCAACCTTTTGCC CGTGATCGAACAGGATTTGTCGCTGATGCGCTTTGGTGCAGGCTGGGTCGAGCGTCTGTT TGCCGACGCAAGCGTCTGAAGCCGCGCAAGTGGTGGCGGAGTTCGACAAATATCTGCA AAACAGCGATATGCTGATTGTGCCGAAGGTGTTTTACGACTACTGCACCAGCGACGTGCT GACCATCGAATGGATGGACGCCACGCCGGTTTCCGACATCGCCAAACTCAAAGCAGACGG CATCGATTTGCACAAACTCGCCGATTACGGCGTGGAAATCTTCTTCACGCAAGTCTTCCG CGACGCTTTTTCCACGCGGATATGCACCCCGGCAATATTTTGGTTGCCGCCGACAACCG CTACATCGCCCTCGATTTCGGCATCGTCGGCACGCTGACCGATTACGACAAACGTTATCT CGCCATCAACTTCCTCGCCTTCTTCAACCGCGATTACCGGCGCGTCGCCACCGCCCACAT CGAATCGGGCTGGCTGCCCGCCGACACGCGCGCGGAAGAGTTGGAAGCGGCTGTCCGCGC CGTGTGCGAACCAGTGTTCAACAAACCGATTTCGCAGATTTCCTTCGGCTTGGTGCTGAT GCGCCTGTTTGAAGTCAGCCGCCGCTTCAATGTCGAAATCCAGCCGCAGCTGGTATTGCT GCAAAAAACGCTGCTCAACATCGAAGGCTTGGGACGGCAGCTTGATCCCGATTTGGACTT GTGGAAAACCGCCAAACCGTTTTTGGTGAAATGGATGAACGGGCAGGTCGGCCCTAAAGC CCTTTGGCGCAACCTCAAAAACGAAGCCCCCGACTGGGCGCAAATCATCCCTTCATTGCC GCGCAAAATCAGTGCGTTGATTGATGAAAACCGCCAGCAGGAAATGCGTGATGCCTATAT GCTGCTGATTTTGCTTTTGAAATAGGCTTTGTCCGAATCATCGCCCGACTCCGCCCGTTT ATAAGGAAATCGGTTATAGTGGATTAACAAAAACCAGTACGGCGTTGTCTCGCCTTAGCT CAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGATTCCGTACTATCCGT ACTGTCTGCGGCTTCGTCCTGTCCTGATTTTTGTTAATCCACTATATTTCCGGTTGC GTGGGAATCGGGTGTATTGAATAAAAGGCATTTTGTCCGACTGGCAAGTGCCGACATCGG CGGCATATCAAGGCGCAGGCTTGAAGCGGGCAATGTCGTCTGAAGCCCGTTTGGCGTTTC AGACGGCATTGGTGCGGATATTCAAATCATAAAGTCGATTTCGGTAAACTGGATATTTTG ATCCATATCCGCCGACGGTGTTTTGAGCGATCGCGCCACGGGTTTGGCGGGTACGCCGAC

AACCGTGATGGACGCGGCACGTCTGAAACCACGACGCTGCCCGGCCCCGATTTTGGCATT GCTGCCGATGCGGATATTGCCCAATATCGAGGCGTTTGCGCCGATCATCACGCCGTCGCC GATTTTAGGGTGGCGGTCGCCGCCTTCTTTGCCCGAACCGCCGAGCGTTACGCCGTGCAA AATCGAAATATTGTTGCCCAACACGGGGGTTTCGCCGGCAACAAGCCGGTGGCGTGGTC CATACGGTTTTGCAGGAAATACGCCAGCGTTTTGCGCCCGTCGAGATACAGCCGATGGTT GATGCGGTGTGCCTGAATCGCGTGGAAGCCTTTGAAATATAAAAGCGGCAGCGAATATTC GTCGCAGGCGGGATCGCGTTCGTAGATGGCTTTTAAGTCTGCTTCGACGCATTTGCCGAT CGGGCTGCCGAGTTTGCTGGAAAGGTGGTAGGCAAGGACGGAGCCGAGGGACTCGTGGCG CAACACGGTTTGGTGCAAAAAACTTGCCAGCATCGGTTCGGCGGGAGACCGCGGCCGCGGT TTCTTCGCGGATGGTGTCCCAGAGGTCGAAACCGGTTGTGTTTAAATGGTCTTTTTTCAT GAGTGATGACGTTTGAAAATCGATATGGTCGGCAGTATCTTACCGTCTATATTATTTTTT CGGTAGGGGATTTGAAAATGAATTTGAAATTCTCTGCTTTTGCTTGAAAAA TGTCCTTATCTTGCGCGGGTAATAACTGGATTTTGATTTCCAATTTGTTTTAAGGGATAC GATATGAGCGAACAGACAGCAGCAGCAAAACAGTGAAGAAGCGGTTGAAAATGTGGAGGCG GTGGAAACCGTCGAGACAGTAGGAAATGCGGACGGTGTGCAGGAACAGGCTGCCGCAGAG CCGGCTTATGAGGATTTGCAGGCGCGGATTGCCGAGCTGGAAGCGCAGTTGAAAGACGAG CAGCTGCGCGCTTTGGCAAACGAGCAAAACCTGCGCCGCCGCCACCAGCAGGAAATTGCG GATACGCACAAGTTCGCCGGACAGAAGTTTGCCGTGGAAATGCTGCCGGTCAAGGATTAT CTGGAAATGGCGCTTTTGGATCAGAGCGGCAATTTCGATGCGCTGAAAATGGGCGTGCAG ATGACTTTGAACGAGTTGCAGAAAGCATTTGATGCTACGCAAATCAAGGAAATCAACCCT AAAGCGGGCGATAAGCTCGATCCGAATATCCATCAGGCGATGCAGGCGGTGGCAAGCGAA CAGGAGCCGAATACCGTGGTGGGTGTGATGAAGAAGGGTTATACGCTGTCCGACCGCGTG TTGCGCCCGGCTATGGTTACGGTGGCGCAGAAGGAAGCCTGAAGGCGTCTGGGGAATAAT CTGATTTATTTCCTGAAGCGCGTTTTGCGTATAAACCGATCGAAGTAAAGCGGCAATGCC GTCTGAACCCGCCTGTCGGGCTTCAGACGGCATTTTATAGTGGATTAACAAAAATCAGGA CAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGTGCTTCAG TACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCTGTACTGGTTTTTGTTA CAGTTTCTTTTGCAGGGTGTCGCAAGGTGTGTCGCAGTCGCACATTTTTTTCATACCCAA GGCAGTAATGCCGCCGCAACTGCCTTTGATGCTGCGTTTGGAGAAAATATAGCCGACCGC CATACCGATGATGACGGTCAGGAAGATGCCGAAGGTAAGGAGCAGGGTTTTCATGGTGTT TCCTAATCGGTTTGTATGTTTAGCGGAGCAGTTTTTCAAATTCGGAAGACATGGCGGTGC GGTAGCCGCCTTTATCCCTGACAATCAGGAAAACAGCGAGTTTTTCGCGCTCTGCCAGCT TTAAGGCTTCGGTTTCGCCCAATACGAATAATCCTGTGGACAAGCCGTCCGCCGTCATCG CACTGTCTGCGACCACGCTGATGGAGGCGAGGTTGTGGCTGATGGGTCGTTTGTTGTTCG GGTTGATGATATGGGAGAGGCGTTTGCCGTTTTTATCGACGTGGAAAATACGGTAATCGC CGGAAGTGGCAAGCGAACGGTTGTTCAGCGGGACGATAATCTGCGTATTGCCGCCTTGGA CGTGCAACTCGCCGCCGATTTCGACCAGATAATTTTGAATGCCGTATTTTTCCAGTTCGC CCGCAACTTTATCAACGCCGAAGCCTTTGGCAATCGAAGATAAATCCAAATAGGCCTTGG GGTGGGTTTTGCTCAAGGAAGCGTAATCTTTGCCTTGTTTCAAAATGATTTTGTCTATGC CCGTATAAGATGCCGCCTGTTTGATTTGTTCCGGCGACGGTTCACGGGTAACGGATTTGT CGGGGCCGAATCCCCAAAGGTTGACCAAGGGGCCGACGGTTACGTCCAGCGCGCCGTGTG TCAGGCGGTTCAGGCGGACGGCTTCGGCAGTAACGTGTGCGAAGTCGCTTGAAATGCGGA GGGGCTTGCCGGCTGTGTTGTTGGTTGAACCGGCTGATTTCGGAGTCGGGCTGATAGGTGG ACATCTGCCGGTTGACTTCTTTAAGCGCGTCATCGATGCGTTTTTTGTATTTCGGCAGGTG AGGGGAGTTTGTCCCGATTATTTGAAAGGTATTTGACGGTATAGGTCGTGCCCATCGTTT CGCCTTGCAGGGTAACGGTTTGCGCGGTTTGTTCCGAACAGGCGTTCAGGAAGATGAAAC CCAGGGCAAATATCAAGACGCGGATAAAGTTCGGCAGGCGTGTTTCAGACGGCATAGTGT TTGACGGTTTTGGCAAATGGTTTGAATTATATCGCAAAACGGCCGGTATGTTTCTATGCC GATGCCGTCTGAAGGGTGTTCGGATGGCATCGGCATAGAAAAAGGAAGAAACCGAGGTTT CTTCCTTTTGTATTTGAAGCCGAATATTTAACCGCCGAAATCGTCCAAGAGGATGTTTTC GTCTTCCACGCCCAAGTCTTTGAGCATTTTGATGACGGACTGGTTCATAATCGGAGGGCC GCACATATAAAATTCGCAGTCTTCCGGTGCTTCGTGGTTTTTCAGGTGGTTTTCGTAAAC CACGTTGTGAATGAAGCCCGTGTAGCCGTCCCAGTTGTCTTCCGGCAGCGGGTCGGACAG GGCGACGTGCCACGTGAAGTTCGGGAACTCTGCCGCGAGTTGGTCAAAGTCTTCGACATA GAACATCTCGCGTTTGGAACGTGCGCCGTACCAGAAGGTAATCTTACGTTTGGAGTTCAA ACGTTTCAACTGGTCGAAAATGTGGGAACGCATCGGAGCCATACCCGCACCGCCGCCGAT AAATACCATTTCGGCATCGGTGTCTTTGGCGAAAAATTCGCCGAACGGGCCGGAAATCGT AACTTTGTCGCCGGGTTTGAGCGACCAGATGTAGGACGACATTTGTCCCGGAGGCGCATC AGGTACGCGCGGGGGGGGGGGGGGGATACGCACGTTCAGCATAATGATGCCTTTTTCTTC AGGATACGAAGCCATAGAGTAGGCACGCAAAATCGGCTCGTCCACTTTGGAAACGTATTG CCACAAATTGTATTTGTCCCAGTCTTCGTGATATTCCTTAGGAATGTCGAAGTCTTTGTA GGCAACAGTGTGAGGAGGAGCTTCAATTTGAATGTAGCCGCCGGCGCGGAAGGGGACTTC TTCGCCTTCGGGAATGGCAAGCTTGAGTTCTTTAATGAACGTGGCTTTGTTATCGTTGGA GATGACGGTGCATTCCCATTTTTCACGCCGAACACTTCTTCGGGGACTTCGATGTCCAT GTCGGTTTTGACGTTGACTTGGCACGACAGACGGCAGCCTTCGCGTGCTTCGCGTTTGCT GATGTGGGACAGCTCGGCAGGATGTCGCCGCCGCCGCTTTTTACGACGACGCGGCA CGCGCCCAAGAGTTTGCCGCCGGCGGGCATCGTCAGCTCTTTTTCGCCGTTGACTTTGAT GGTGATGTCGCCTTCGCTGACCAGTTTGGATTTGGCAAACAGAATCATCAGTGCCAAAAC CAAAACGATGACGGTAAACATCACGATACCTAAAATAATCTCCATACCGATCCCTTTCTT ATAACTGGATGCCAGAGAACGACATAAACGCCATCGCCATCAGGCCGGCGGCGATAAAGG

TAATGCCCAAGCCTTTGAGGCCTTTGGGAGCGTCCGAATATTTCATTTTTTCGGTAATGC CCGCCAAAGCGACAATCGCCAACATCCAGCCCAAGCCCGCGCGCAAGCCGTATACAACGG ACTCGCCGAAGTTGTATTCGCGTTGCGCCATAAACGATACGGCGCCGAAAATCGCGCAGT TCACGGTAATCAGCGGCAGGTAGATGCCCAATGCGTTATAGAGGGCGGGGACGAATTTAT CCAAGAACATTTCCAAAATCTGCACCAAAGCGGCAATCACGCCGATGAAGGTGATGAATT TCAAAAAGGTCAAATCCACGCCTTCGGCAATCGCGCCGTCTTTGAGCAGCGAGTAAACGA GTTGGTTGACAGGGACGGACAGCCCGAGTACGAAAATTACCGCCACACCCAAACCGAATG CGGTGGATACTTTTTTGGATACCGCCAAAAACGTGCACATACCCAAAAAGAAGGATAGTG CCATATTTTCAATGAAGACGGATTTGATGAAGAGGCTCAAATAGTGTTCCATAGCTTATT CCTCCGCCTGTTCGGGTTTCCAGGTACGCAGTCCCCAAATCAAAAAGCCGATGATGAAGA ACGCGCTGGGGGCGAGCAGGAACAAGCCGTTGGTCTGATACCAGCCGCCGTCCTGCACGG TTTGGAAAACGGTGTAGCCCAAGAGTTTGCCCGAGCCAATCAGTTCGCGGACGGTGGCGA CGACAAGCAGCATTATCCCGTAGCCCGCGCCGTTGCCGATGCCGTCGATCAGGCTTTCCA GCGGCGGCTCTTTCATCGCAAATGCTTCGGCGCGCCCCATCACGATACAGTTGGTAATAA TCAGACCGACGAATACGGAAAGCTGTTTGGACAATTCGTAGGCAAATGCCTGCAAGAGTT GGTCGACCAGCGTAACCAGCGACGCGATAATCGCCATTTGCACGATAATACGGATGCTGT TGGGGATGTAGTTGCGTACCAGCGAAATGAAGAAGCTGGAAAAACCGGTTACCAAAGCTA CGGAAATACCCATCACGATGGCCGTCTGAAGTTTGGTGGTAACCGCCAAAGCCGAACAAA TACCCAAAACCTGCAAGGCAATCGGGTTGTTGTCGATAAAGGGTGAAAACATCAAATGTT TCAAGCGTTTCATATCAGCCATTATTGCGCTCCTGCTGATTTCAATTTGTTCAGGTAGGG GATATAGCCGTTTTCGCCGAACCAGTAGGCGAACGAACCTTGCACGCCTTTGGATGTCAG CGATGCGCCGGAGAGGGCATCTACGCCGTGTTCTTTGTCCGAACCCGCGCCTTTGCCGAC GTGCAGGGCGAGTTTGCCTTGTCCGTCAAACAGTTTTTTGCCGACGAATTTTTGCTGCCA CAACGGATTGCCGATTTCGCCGCCCAAGCCCGGGGTTTCGCCTTGTTCGTAGTAGGTAAT ACCGTTACCGTGCATAGGCAGGATGATTTGCCCGATTTTGCCGTCTTCGCCTTTTACCAA GGCGACGTATTCGCCGGTCGCCAAATCGACACACGTTGCTCGATACGCTCGGCAAAGGT TTTACCGATGTCGGTGTCCTTATCCATCAAACCGGCTACGCTCAAGATATAGCCTTGTTT GTCTTGGAGTTTTTGTTTCTCTTGGATGGGTTTCAAGCCGACGACCGCACCGCAACGAT GACCGAGCAAATCAGGCTGACCGCCAACACGACAATCAGCGTGCCGCTGAAGCTGTCTTT ATCGAATTTCTTAGCCATTGCTGCGCGCCTTTCTGCGTTTGATGTTCGCTTGTGCGACGA ANTAGTCGAAAATCGGGGCAAACAGGTTGGCAAACAGAATCGCCAACATCATGCCTTCGG GGTAAGCCGGATTGACCACGCGGATTAATACGCACATCACACCGATCAGTGCGCCGTACC ACCATTTGCCGACATTGGTAAAGGAAGCGGAAACAGGGTCGCCCATAAACAGCATAC CGATGGCGAAGCCGCCGACCAAGTGCCAGTACCAAGGCATAGCAAACATAGCGTTGG TGTCCGAACCGATGAAGTTGAACAGCGAAGACATCGCAATCATACCGATCATCACGCCGG CAATAATGCGCCAAGAAGCGATGCGGGCAAACACGATAAACGCGCCGCCGATTAAGAGTG TGATGGTTTGACCGGTTACGGCGTTTTTCAGGCCGTCTGCACCGTGTGCCGCCCATTGCG CCAGTGCGGTTGCGCCGGAATAGCCGTCAACCGCCGTCCAAACCGCATCGCCGCTCAAGT TGGCAGGGTAGGCGAAGAACAGGAAAGCACGGCCTGCCAGCGCAGGGTTCATGAAGTTTT CCTGCCACAGCGGCAGCGTGGGCGGAACGATTAAGGCAAACAGAATCGAAGTAACGAAGA **AACCTTCGTTGATTTCGTGTTTGCGCACGGTGGCGAACAAACCTTCCCAGAAACCGCCCA** CAACAAATACAGTCGCGTAAATCGGCAGGAAGTAAATCGCGCCAAACAGCATTTTGTCCG ACACGCCCGCTTCAGACGACATATTGATGCCCAAAGCGTTGGCAAAGGCGTAATGCCAGT CGTTGGCGATGTTTTGTTGCAGCAAATCAGGCGTTAACGCACCGAATGCCTGCGCGCCGA GCTTGGAGTCGAGCGCTCGCGGACGTGCGCCGCTTTGCGCGTTACCGCGCCGGATGTGT AGAAAATTGTCGCCGCAGCTTCGTAGAGGGCATACCATTTTTCATGTTTGCCGCCCGGCA AATGGTTTCCAGCACTTTGCGCAACAGCGGGCCGTATTCGTATTTGCCCGGGCAGACGAA GCTGCACAAAGCGAGGTCTTCTTCGTCCAATTCCAAGCAACCCAATGCCTGCGCGCTGTC GGTATCGCCGACGATTAAATCGCGCAAAAGCAGGGTGGGCAGGATATCCAAGGGCATCAC GCGCTCGTAAGTACCAATCGGCACCATGGCGCGGTCGCCGCCGTTGACGGCTGTGTTGAA CTTGAAGAGTTTGTTTTCAGGAAATGGCCGAGGGTTGTACGCGTGATGGAGTATTTGTC CGGCTGCGGCGAACCCAGCCGAACAGCTCTTTGCTGCGGCCTTCTTCGATAACGGAAAT CTGATTGTGGTAGCGTCCCAAATAATCGTGCGCGCCTTGTGTAATCGCGCCGTTCAATAC CGAACCGGAAATCACGCGGTTGTCTGTGTCAACCAATTCGCCCGCAGTAATTTGCGATAC TTTCGCACCCAAAACGGTACGCAAGAGGCGCGGTTTGTTGACTTGAGAACCACCTAGGGC CGTGCCACTCAAACCGGCAGGATGCGGGCCGCCGAATTCATGTGTTTCGATGTTGGCAGC ATTTTCAGACGGCACGTCTGCGCCAGCTGCCTTACAAACATGGATTTTGCGTTCGGTCAA ACGGCTCAATACCAACAGGCCGCGTTTGAAATCCTCGGCGGCTTCTTTGATAATGACCGT AGGGTCGCAGCCAGCGGATTGGTGTCCATCGCATTGACGAAGATGGCGAACGGCTCGGC ATCGACGCAGGAATTTTGCTGAACGGACGGGTGCGCAGCGCAGTCCACAAACCGGATTG GATCAGGTTGCGGCGCACTTCTTCGCCGCTTAAGTTTGCCAGCGCTTCAGGTGCGTAGCG TTCGCCACGGTGAATCGCGGCGATTTTGCCTGAAGCCGGCGCAGTAAACACCACGCCCGG CATCGAGGGGCGCATACCGGCATATTCTTCGCCAAGCAACGGGACTTCGGTAATGGCCGG GCCGTCGTAAACGGCTTGCTCCGGTCTGCCCGCGATGGGCAGGTTTAGACCTTTTTTGAT

TTTAATCATATTTGCATTACTTGTGATGGTTAAGGTAAAAACGGCGTGTTTTGATACC GTGTCGCGTGGCATCAAAAGCATTGAATAAATTAATGTAGCAAAGTGTTAGATTCTATCA GGAATTGTACCTGTTTGTCAGATTTGCTGCTTTTTTCCTTGCGGAAGCCGTTTTTATAGT GGATTAAATTTAAACCAGTACGGCGTTGCCTCGCCCTTGCCGTACTATTTGTACTGTCTG CGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAAATTGTCGGAAGGGGGGAT ATTGATTTGATTATGCCGGAATTTAAAATGCCGTCTGAATGTTCAGACGGCATAGCGTTT ACAGCAGTTTGAAAACGAAAAAGATAAGGGTATGTACGATGAAGACGGGTGTCAGGAAGG CGACCGACCACATCATATAGCCGAAGAAAGTCGGCATCGGTACGCCGCGCTGTTCGGCAA TGGCCTTGACCATGAAGTTCGGTGCGTTGCCGATGTAGGTCAGTGCGCCCATGAATACCG AACCCATAGAAACCGCCAGCAGCGAATGAAACAGGGTACCCGTCATCAAGGCTTGGGCAT CGCCGCCGCCATATTGAAAAAAACGAGATAAGTGGGCGCGTTATCCAAGAATGCCGACA ATATGCCGCTCATCCAAAAATACATCACATTAATCGGATGACCTGCCGTATCGTGAACCA GCGATACCACCCCGCCCAGCGCGCCTGCCTCGCCTGCTTTCAGAATGCTCAGGACGGGAA AGATGGTGATGAAGATGCCGAGGAAGAGTTTGCCCACTTCGGCGATGGGTTCAAAGTTGA ATTCGTTGCCTGCGCGGACTTGTTTGGGCGTGATTGCCATAGATACGGCGGTCAATGCAA TCAGGATGACATCGCGGACGAGGTTTTGCAGGGCGTAACGGCTGCCGAGGATTTCAAATC CCGGGTGTTCGGGTTTCCAAAGGCCGGACATTAGAACCGCGCGGACCACGCCCGAAAGCA GGAGGAAGTTCCATTTGCCGAAGATGGCGATTTTTTCGGGTTTTTCCTGTTGTGCCGGCG TATCTTGTGCAATGCTTTCCTGTTTGAAGAAACGGTTGTCGATGAAATAGAAGGCGGTCA ACAGGACAGCGGTGCTGATCAGGACGGGGGGGGAACATATGTTTGACCGTCCACATGAAAT CTACGCCTTTGAGGAAGCCGAGGAAGAGTGGGGGGTCGCCCAAAGGGGTCAGACCGCCGC CGATGTTTGCAACCAGGAAAATGAAGAAGATGACGATGTGCACGCGGGGGTACGGTTTT GGTTGGCTTTCAGCAGCGGACGAATCATCAGCATTGCTGCGCCGGTCGTTCCCATGATAG AGGCAAGTGCCGTACCGACGGCAAGCAGGGCGGTGTTGAGCTTGGGTGTGCCGTTCAAGT CGCCCCAAACCAAAATGCCGCCTGAAATGGTGTACAGGGCAAGCAGCAGCAGGATGAAAG GGATGTATTCTTCAACGAGTGCGTGTGCGACGGTATGGATACCGGCGGACGCGCCAAAAA CCAAACTGAACGGGATGAGGAAGAGCAATGTCCAAAAGGCGGTAATTTTGCCGTAATGGT GATGCCAGGTATGCGAAAAAAAAAAAGGGACCCAATGCGATAGACAGCAAAATCAGGGCAA AGGGCAGGCCCACAGCAGGTTTAGGTTTGCGCCGTCCAAATCTGCGGCGTAAACCGATG CTGGGAAAAGCATTAGTGAAAACAGGGGTAGGTGGCGCATCGTGTTTCCTCGATTCAAGC ACTGCCTTGCGCGGCGCGTGGGAGTGATACAGGCACCGTGCCGCCCGGACATAGGCGGAC ATAAACCAGTTTCCCAAACCGGAAGGCGGCGGGAAGGCGGATTGCTGTGCTTGGGAATAT TCTATCGAAAACGAAAAATGAATTTATTTTAACATATATTTGCAATGAAACAGGTTTGCC CCCCCCGTTTGTTTGCCCTTATCCCTTTCAGTACGGCATTCAAGATTCGGGCCTGCGCC ACATCCATATGGCGACAAGGGAACAAAAAACCGATGAAACCGCCCCGACCCACCAGCGTT GGGGAAACTGCCAAAACATTATCAGGCAGGATGCGGTCATCATACTGATGGCGAATATTT TGGCTTTGCGCGGCACTGCGCCGTTTTGTTCCCAGTTATGAACCATCGGGCCGAAATAGC GGTGCCGGTGCAGCCAGCGGGTAAAAGCGCGGGGGATGCCTTTGCCCAGCAGGCGGCGGAGA GGGAAATGCAGCCGCAGGCAATTAAAAGATAACGTATCATTTTGAAATATTTTTCTTATT GTGCGGATAAGGGCAGGATGTGATACCGAGTTTTGCCCAGCCTTCATGTCCCATTTTTTC CAGCAGGCGATATTGCGTTCGAATATTGCCGAAGCGTCGGGAAAGGCTTGTGCGGCTTT GGCAATGCTGTCTTCGCGGATGAGGTGCAGCGTCGGATAGGGAGAACGGTTGGTGTAGTT GCCAATGTCGTCTGAATCCGTGCCTTCAAATTGGAAATCGGGATGAAACGGGGCGATTTG GACGATGCCTTCTAAGCCGTTTTCGACAACGGCGGCATCGGCAATGTCGAGCATATCGTT GAATACGTCGAAATCGGGGAATAGGGTCGGGTGAACCAGCAGGGTGGTTTCCAGTTCGGT GGCGGGTGTATTGCCCAGTCGCTGCAGTTCTTCGTCCAAGTCTTCCAAAAAACCGTCAAG GTGTTTGGCTTCGCTGATCGCGATGCGGACAAGGTTTTTAACGTGGGGGGCTTTGGCAAA GGGACACAGGTTCAGACCGATGACGGCTTTTTCCAACCATTGTCCGGTGTGTTCGGCAAC AGCATCTTTATTTTCGGAAGTATTGATATTCATTATTGTCATGTAAATGTGTTTGCAGAT TGCACGTGCGGAAAATCGGGAAGGGCACTATTCCTTCAGCAGGTGGTTGAGCGGCAGGG AGGTGGTGTTTTGATTTCTTTTAAAACAAAGCTCGATTGCGCATCTTGTACGCCGTGGT GGGACAGGAGCGTATCCAAAACAAAATGGGAAAACGCGTTCATATCGGTAAAAAACGCCT GAAGCAGGTAGTCGGTTTCCCCTGTCAGGGCGAAGCAGCTCAAGACTTCAGGCCATTTTC GAACCGATGCGGCAAAGTCTTCCCGCGCGTCTTTTGCTTTGCGGATGGAAACGCGGATAA ATGCCTGAAGTCCCAAGTTGACAGATTCCGGAGACAGCAGCGCGGCATATTGGCGGACGA TACCGGCATCTTCCAACTGCTTCAGACGGCGCAGGCACGGAGAAGGCGAAAGTGCGACAC GTTCGGACAGTTCGACATTGGTCAGCCTGCCGTTTTCCTGGAGAACCTGTAAGATTTTAA TATCGGTTTTGTCTAAAGTGAGTTGGGGCATATTTGCGTTCCGTTTTAAGGAATTCGGAT TGTCTGTCCGTATGTTTGCGGCAATCCGCACAGATGGAGACCATATTAACATATAAAAAG TTATACCGTCATCCGGGACAAATTTTGTTTTCGGAAAATCATGTGAAAACAGAGGCGGTC **GGTTTGCATCTCTTTAAGACGGCTTGCCCAAACCGCCGATTCAAGACATAATCGGGAAAT** GTGCAGGAGAGTGTTACACCCAACTACAATGTAACCACCGAAGGCGCAGACACCCTTAAA TCGCTCAGGTATCAGGGACTGCACATTGAAACAAACAATCTGGAGAGCGGCGTTGGAATA ACGTCCACCGAAGGGGAGAAGGCCGTCTGAACCACCATTCAGACAACCGCGCAAAGCAGT GAGCAGACTGGTTTGCCATCATGCGGATACAGCCGAAAATCTCAGGTTCAAGGACAGATA GGGTCATCCGCGCACAGGTGCGCGGCGGCATCTGAACAAAAAATCCGGAGAAACTTGAG AATGACTGCTCTGAAAACCACCCCATTTCATCAAGCCCATCAAGATGCAGGCGCGAAGCT GGTCGATTTTGCCGGCTGGGAGCTGCCCATCCATTATGGTTCACAAATCGCCGAACACGA AGCCGTGCGCACCGACGCCGGTATGTTTGACGTATCCCATATGCTCGTTACCGACGTAGC AGGCGCAAATGCCAAAGCCTTTTTCCGCAAATTGATTGCCAACGATGTCGCCAAGCTCGC -TTTTGTCGGCAAAGCCCTTTATTCCGCTTTGCTCAACGACAACGGCGGTGTGATTGACGA CTTAATCGTTTACCGCACCAATGAAGCCGAAACCCAATACCGCATCGTGTCCAACGGCGC

GACCCGCGAAAAAGACACGGCGCAATTCCACAAAGTCGGACAAGAGTTCGGCGTCGCCTT CAATCCGCGCTACGACCTCGGCATGCTCGCCGTACAAGGCCCTAAAGCCATTGAAAAACT CCTGACCGTCAAACCCGAATGGGCAGATGTCGTCCATAACCTCAAACCGTTCCAAGGCGC GGATTTGGGCAACGACTGGTTTGTCGCCCGCACCGGCTACACCGGCGAAGACGGCGTCGA AGTCATCCTGCCCGGCACCGAAGCCGTCGCATTCTTCAAAGCCCTGCAACAAGCCGGCGT ACAGCCCTGCGGCCCCGCGCGCGCGCACACCCTGCGCATGGAAGCCGGCATGAACCTCTA CGGCAACGATATGGACGACGACACCAGCCCGCTCGAAGCAGGTATGGGTTGGACCGTTGA TATGGAAGTGTTGACCGACAAAGGCCAAGGCGAAACCACCAGCGGCGTATTCTCCCCAAG CCTGAAACAATCCATCGCCATCGCGCGCGTACCGAAAGATTTTGACGGCGATACCGCCAA AGTGCTGATGCGTGGCAAAGAAGTGGACGTGCGTGTACTGAAGCTGCCGTTTGTCCGCAA CGGACAGAAACAGTTTGATTGATGCGGTTTCAGACGGCATTTTCATTTCATATGCCGTCT GAAAGCAGGTTTTAATTGTTGTCCGATACGGACGTTTGTAGAAAGCATTGAACAAGGCAT CTGTGGATATTGATTCATGCAGATGCCGTCTGAAAATAACCCCTATCAATGGAGTATCAA CTTGAAGAAGACGGTACGATTACCGTCGGCATTACCCACCACGCGCAAGAGCTGTTGGGC GACATCGTGTTCGTCGAGCTGCCCGAAGTCGGCGCGAACCTTGCCGCTGAAGAGCAAGCC GGTGTGGTTGAGTCTGTAAAAGCCGCGTCCGACGTGTACGCACCGATTGCAGGCGAAGTC GTTGCCGTCAACGAAGATTTGCCAAGCGCTCCGGAAACTGCCAACAGCGATCCTTACGGT GCAGGCTGGTTCTTCAAACTCAAACCGGCAAACGTTGCCGATTACGACAGTCTGCTGACT GCCGAACAATACGCGGGCGAAGTGGATTAAACCGCCCGGCTGCCCGACGGCAACCGCCGG ACAAACGGAAACTGCACCTTCAGACGGCATTTTTGCGGTCGGAGGTGCAGTTTTTTGTCC GTGTTTTAAGGAAGCAGTTAGGCTATAATAACGGTCTATATTCATCTTTACCGATTTTTT CATGCAACTTACCGCTGTCGGACTCAATCATCAAACCGCACCTTTAAGCATACGGGAAAA GCTGGCGTTTGCCGCCGCCCCCCCCTAAAGCCGTCCGCAATCTTGCCCGAAGCAATGC **GGCAACGGAGGCGGTAATCCTTTCTACCTGCAACCGCACCGAGCTTTACTGCGTCGGTGA** TTCGGAAGAAATCATCCGATGGCTTGCCGATTACCACAGTTTGCCGATTGAAGAAATCCG TCCGTATCTGTACGCGCTGGATATGCAGGAGACTGTGCGCCATGCTTTCCGCGTCGCCTG CGGGCTGGATTCGATGGTGTTGGGCGAGCCGCAGATTTAGGACAGATTAAGGATGCCGT TAGGGTTGCTCAAGAGCAGGAAAGTATGGGTAAGAAACTCAATGCCCTGTTCCAAAAAAC CTTTTCCGTTGCTAAAGAGGTCCGTACCGATACTGCCGTCGGCGAAAACTCGGTTTCCAT GGCTTCCGCTCCAAATTGGCGGAACAGATTTTTCCCGACATCGGCGATTTGAATGT CTTGTTTATCGGCGCAGGCGAAATGATTGAGCTGGTTGCCACTTATTTTGCCGCCAAAAG TCCCCGGCTGATGACGGTTGCCAACCGGACGCTGCCGCGTGCACAGGAGTTGTGCGACAA CGACGTAGTGGTTTCTTCAACGGCAAGCCAGTTGCCCATTGTCGGCAAAGGCATGGTGGA GCGTGCATTGAAACAAAGGCAGAGTATGCCGTTGTTCATGCTTGATTTGGCAGTGCCGCG TGACATTGAAGCGGAAGTCGGCGATTTGAATGATGCCTATCTTTATACGGTGGACGATAT CTTGATTAAGGCGTTGCGGGACGAGGGGGGGAAAAGCGCGCAAACAGGTGTTGGAAAATGC ACTGACCAACAAGCTGCTGCATTCGCCGACCCAAACCTTGAATAAGGCGGGGGAAGAAGA TAAAGATTTGGTTCATGCCGTCGCGCAGATTTATCATTTGGACAAATAACGGTGCGCCGG GAAATCCCACATTATATCGATGTAATCACAAAGTATAGTGGATTAACAAAAATCAGGACA AGGCGACGAAGCCGCAGACAGTACAGATAGTACGGCAAGGCGAGGCAACGCTGTACTGGT TTAAATTTAATCCACTATATTATCCCGTATGCGGATTGGTTTTAAGATTTGTAAATTTGA TTTGCATCAAAAAATCGCCGATAGATGATTCATATAATATCAATATTAAAGAGTATCGGT ATATCGGGGATAGTCATGTCCTGTTTTTCAATCAAACGTATGTCCGCGTTTCGGGCGCGG ATAACGCGTTTTTTGCCGCCTTTGTCTTTTTGACGCGGCACTGCCCGCTTATGCGGAG CGTCTGCCTGATTTTCTGGCGAAAATACAGCCTTCGGAAATTTTTCCGGGTGCGGACCGT TACGGCAAGCCGGAAGGTAAGCCTATGGTTGCCCGCGTTTACAAAGGCGATGAGCAGTTG GGCTTGGTCTATATCACGACCGATGCGGTCAATACGCGCGGTTATTCGAGCAAACCGATT GATACGCTGATGGTGTTGGCAAACGACGGCACGATAGCCGGGGGGGAAACTGGTCGACCAT TCAAACTGGCTTCCGGCGTATATAAAACCAAACTTCACATTGACAAACCGATTACGATTG AAGGGCCTGCCGACCGTTCCGCAACCATCGAAGGCGACAGGAGCGGGCGTACCATAGCCG TACACGCGCCGGACGTAACGCTCCGCAACCTGACCGTTACCCGGTATGAGCCTGC CCGCAATGGATGCCGGTATTTATCTCGAAGAAACTGCCCCGCGCGCCCTGATTGAACACA ACAATATTTTGGATAATTCGGTCGGCGTATATCTGCATGGTTCTGCCGATGCGATGGTGC GCGAGAATAAAATCGTCGGCGACGCGACTTTGCGCGTGAACGAGCGCGGCAACGGCGTTA CCGTTTGGAACGCACCCGGTGCGCAGGTCGTCGGCAACGACATTTCCAAAGGGCGGGACG GCATTTTTTCCAATACCAGCACGCACAACACCTACAAAAACAACCGCTTCAGCGATTTGC GTTTCGCCGTCCACTATATGTACACCAACGACAGCGAAATCAGCGGCAATATTTCCGTGG GCAACAATATGGGCTATGTGCTGATGTTTTCCGAGCGGCTCAAAGTATTCGACAATATCG CCGTCGCCAGCCGCGATCAGGGCATTATGCTCAACTATGTCAACTATTCCGATATTCACG ACAACATTATCAACAAGGCAGGCAAGTGCGTATTTGCCTATAATGCCAACTACGATAAAC TTTTCGCCAATCATTTTGAAAACTGTCAAATCGGCATACACTTTACCGCCGCCATCGAAG GCACGTCCTTGCATGACAATTCCTTTATCAACAACGAAAGCCAGGTCAAATACGTCAGCA CGCGCTTTCTCGATTGGAGCGAGGGCGGACACGGCAACTATTGGAGCGACAACAGCGCGT TCGATTTGAACGGCGACGGCTTCGGAGACAGCGCGTACCGCCCCAACGGCATCATCGACC **AAATCATCTGGCGCGCGCCCTATCGCGCCTTTTGATGAACAGTCCCGCAATCAGCATCG** TCAAATGGGCGCAGGCGCAGTTTCCCGCCGTTCTGCCTGGCGGCGTGGTGGACAGCAAAC

CGCTGATGAAGCCTTATGCCCCCAAAATTCAAACCCGTTATCAGGCGATGAAGGACGAGC TACTCAAAGAAGTCGAAACGCGGCAGTCGGAATGGGGCAGGGCGGAAAACGGTTCTTTGA ACTAGTCTGCTTCAGACGGCATCCGGATTCAAATGCCGTCTGAAAACACAAAAGGAACAA CCATGACCACACATCATGTCGAATTGAGGAAGGTAACCAAACGGTTCGGGGCGCAAAAAG CCGTCAACCAAGTCGATTTGGTTTTGAAGGCAGGAGAAAGCGTCGGGCTTGCCGGACACA GCGAAGTGATGCTTTTGGGCGAACGTACCGGTAGCAAAGCGGGGGGCGCGCTTCGCAGCC AAATCGGCTACCTGCCCGAAACCGTTGCGCTGCACCCTTCGCTGATCGGCATCGAAACGC TGGATTTTTATGCCAAACTTAAAAAACAGCCGCTCACGCAGAACCGGGGGCTGCTTGAGC GCGTCGGCATTTCACAGGCGGCACACCGCCGCGCGCGCACTTATTCTAAAGGGATGCGCC AACGCCTTGCCTTGGCACAAGCCCTGCTGGGCGAGCCCAAAGTCCTGCTGTTTGACGAAC CGACAACCGGTCTTGACCCTGCATCACGACAAATGTTTTACGAAGTCGTGCGCGAACTCA ACGGGCGCGCGCGCACCGTATTGCTCAGCACCCACGCCCTTGCCGAGTTGGACGGGCACG CCGACCGCATTATCGTGGATTAAATTTAATCCACTATATGCGGGTATGGCGGGTTTGAGC GGACAAATCAGCCTGACCGTCCCCGTTTTGCTGACCGCTCAGGTTTTATGGGTTATCATT CCGCTTGTTTTGGCAGCCGGAATTTTTAGAAAGCGACAAATATGAAAAAACCCTGTTGG CAATTGTTGCCGTTTCCGCCTTAAGTGCCTGCCGGCAGGCGGAAGAGGGACCGCCGCCTT TACCCCGGCAGATTAGCGACCGTTCGGTCGGACACTATTGCAGTATGAACCTGACCGAAC ACAACGGCCCCAAAGCCCAGATTTTCTTGAACGGCAAACCCGATCAGCCCGTTTGGTTCT CCACCATCAAGCAGATGTTCGGCTATACCAAGCTGCCCGAAGAGCCTAAAGGCATCCGCG TGATTTACGTTACCGATATGGGCAATGTTACCGATTGGACGAATCCCAATGCCGACACGG **AGTGGATGGATGCGAAAAAAGCCTTTTACGTCATCGACAGCGGCTTTATCGGCGGTATGG** GTGCGGAAGACGCGCTGCCGTTCGGCAACAAAGAGCAGGCTGAGAAATTTGCAAAGGATA AAGGCGGTAAGGTTGTCGGTTTCGACGATATGCCTGATACCTATATTTTCAAATAATATT ATAGTGTCGGCAGGAAAGAACCTTCACATCCCGCCGTAATTCGGCCCGCTCGCGCCTTCG GGGCAAATCCAAGTGATGTTTTGCGTCGGGTCTTTGATGTCGCAGGTTTTGCAGTGCACG CAGTTTGCCGCGTTGATTTGCAGGCGCGGATTGCCGTTTTCTTCAACAATTTCGTACACG CCGGCCGGACAATAGCGCGTTTCGGGCGAGGCGTATTCTTTGTAGTTCACGTCTATCATC **GTTTGCGGATTGTTCAGCACCAAATGGTCGGGCTGGTTTTCTTCGTGCGCGAGATTGGCA** GGCTTACACGCGGCGGCTTTTTTAAGCTGCTCGTTGTCTTTGCCGTGATGTTTCAAGGTC CACGGGGCTTTGCCTCTGAAAATCATCTGATCGATGCCGGTGTAGATTGAGCCGAGGTAA ACGCCCCATTTGAATGACGGACGGACATTGCGCGCGCGTAAAGCTCTTGATACAGCCAG CTTTGTTCAAAACGTTGCTGATAATCCGCCGCCTCTTTGCCGCTGTCGAAACCCTCCACT TCTTCAAGGTTTTCCAACAAGGGGAACACGGCTTCGGCGGCGAGCATGGCGGATTTCATC GCGGTATGAATGCCTTTGATGCGCGGCATATTGAGGAAACCCGCCGCATCGCCGACCAAA ATGCCGCCTTTGAACGAGAGCTTCGGCAAACTTTGCAAACCGCCTTCAATCAGCGAACGC GCGCCGTAAGCAATGCGGCGGCCGCCTTCAAAGGTTTTGCGGATTTCGGGATGGGTTTTG AAACGTTGGAACTCTTCAAACGGCGACAGATAAGGATTTTGATAGTCCAAACCGACCACG CTGTCCAGCGGCCAGCCTGCGCTGTGCACCACCAAACCGGGCTGATGCTGTTCGGACGGC TGGAAACGTTCGATGATTTGTTTGGAAAGCGAACCGCGACAACCTTCGGCAAACAGGGTT ATGCCCATATTGCCGGTTGCAATGCCTTTGACCGAACCGTCTTCGTGATACAGCACTTCG GCGGCGGCAAAGCCCGGATAGATTTCCACGCCCATATTTTCCGCCTGCTCCGCCAACCAG CGCACGACTTCGCCCAAGCTGACGATGTAGTTGCCGTGATTGTCGAAATTCGGGGTAATC GGCAGGTTGAACGCTTTTTTCTCGGTCAGGAACAACACTTTGTCCTGCGTTACTGTGCGT GTCAGCGGTGCGCCTTTTTCTTTCCAGTCGGAAATCAACTCATTCAGCGCAATCGGATCG ATAACTGCGCCAGCCAGCGAATGCGCCCCCACCTCCGAACCTTTCTCCACCACGCAAACG CTGATTTCGCGCCCGTTTTGTTCGGCAAGCTGCTTGAGTTTGATGGCGGCAGACAAACCC GACGGGCCTGCGCCGACAATCACGACATCGTATTGCATACTGTCGCGGGTGATGGATTCT GTCATGGCGGTTCCTGTGTATTTATTGTTGAATTGCAAATCCGTAATTATACAACGGGAA CATATAGTTACCAAATACAACAAAGGTCGTCTGAAAACCATATTTTCGGTTTTCAGACGA CCTTTGTCGAAATTTCAATAAGCACGCCACCATTTTACCTGTCCGACCGCAAACTCCGTC ACAACCGCCAAAATCTTACCTGCCAAATTTCCCTCACGGGTTTGCCAAGCATCCAAAAAC TCTATACCGCGCAATACCGAGAAATGATCATCCTTGCGGTATTTCAGATACACGATGACG GGGATTTGCAACTGTGCAAGCTGCTCGAAAGACAGGGCATAGCCTTTCGCTTCAAAACCC **AAATCAGGCATAATGCGCCGCATATCCTCAAACGACGCGGGCATCTGCTCCTTATCCAGT** TTTTTTAACACGTCCTCTTCCGTCAGCTTTTGCCCGTAAAAATTGTTCAAAAGCGTCACC ACCGAAGCCGCCCGCAGGAAAAATCCAAATCCTGCTTTACAATATTGAAATCGCGCCTT TCTTTCCAACTCTGCACTTTGATTTTTCCATAAGCAACAGGATTATAGTGGATTAAATTT AAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATCTGTACTGTCTGCGGCTTCGTCGC CTTGTCCTGATTTTTGTTAATCCACTATAGGTTTCCGTGCGGACGTGTTCAGATTCCCGC CTTCGCTGGAATGACGGCGGAGCGATTTCTACTTTTCCGATAAATGACCGTAACTTAAAA TCCCGTCATCCCCACGAAAGCAAAAATCCCGCCTGTCGGATTTCGGTTTTTTTGGGCGTT TCGGGAAACTTATAAATCGTCATTCCCGCGCAGGCGGGAATCCGGTTTGCTCGGTTTCGG TTTTTCGGGCGTTTCGGGAAACTGATGAATCGTCATTCCCGCGCAGGCGGGAATCTAGAA CGCGGGACGGCGCAATATTCAAAGGTTGTCTGAAAATTCAGAGGTTCTAGATTCCCACT TTCGTGGGGATGACGGGATATAGGTTTCCCTACGGACGTGTTCAGATTCCCGCTTTCGCG GGAATGACGGCGGAGCGATTTCTACTTTTCCGATAAATGACCGTAACTTAAAATCCCGTC ATCCCCACGAAAGCAAAAATCCTGCCTGTCGGATTTCGGTTTTTTTCGGGCGTTTCGGGA

AACTGATGAATCGTCATTCCCGCGCAGGCGGGAATCTAGAACGCGGGACGGCGGCAATAT TCAAAGGTTGTCTGAAAATTCAGAGGTTCTAGATTCCCACTTTCGTGGGAATGACGGGAT ATAGGTTTCCCTACGGACGTGTTCAGATTCCCGCTTTCGCGGGAATGACGGCGGAGCGAT TTCTGCTTTTCCGATAAATGACCGCAACCTAAACCCCATCCTTCCCGCAAAAACAGAAAA ACAAAAACCTAAAATCCCGTCATCCCCACGATAACAGTTGCGTAATTGCGTAGAGTGGGC TTCAGCCCACCGTTTTTTCTTTTTCGGTCGTTGATTGGTGGGCTGAAGCCCACCCTTGTA CACACAACCGTTGCGTAGCACAGGGAGCGGCAGGGCAACCCATCGACACAACCGGACAGT TGCCGGACAACACCGAATGTAAGGCAGGTTGATGATGAGTACCCGATACCATTACGC **AGGTATAGTGAATTAAATCTAAGGGGCTGTACTAGATTAGCCCTAAATTCCACACCAATC** CCGCAGGATTTTAAGCTGTTGAGACGGTGTGCCGAAGTTAAATCGAAATTCGCATTCTTT CAAGAACAGCGGGAAAGATTTACGATCGATTCCGTTGTATTTTCGCAAGACGCGTTTTGC CTGATTCCAAAAGTTCTCAATGCCGTTAATGTGGTTCTGACGGTCTGCACACTCCTTGGA ATGGTTGATGCGGTAATGGATAAAACCGCTCACGTCCAACTTGTCGTAGCTGCTCAGACT ATCGGTATAAACAATACTATCCGGCATGATTTTCTTTTTGATGACAGGGAGTAACGTTTC AACAACCACTTTTCCTGCCGCACCGCGACCACGTCTGCCTTTACGCCGTCCGCCGAAATC GCTTTCGTCCGGCTCGACAGGCCCTCAAAAACCTCATCGGCAGCCCAAGGCCAAATGATG ACTTTTTCTTTAATTTGCAGTGCGTTATCTTCATATTTCGAGGGTAACATATCTGCTAA TCTAGTACAGCCCCAAAAATATACCAAAAACAGCAAAACAAATTGTAAGGATACGTATAG GCTTTGTAAAGGTAAATTGTGAAAAAAGCAGTTTTTTAAACGAATGAAACGGCTTCGGGC TGAAATATATGCTGATGCCCTGTTCTTCCCGTATTTCTCGTGTGTTGTCAAAGTGCAGGC TGCTTTGAAATCGGTATTGCCATCTATGAACCACCACTTTGCTTTATTTCAGCGGGCTTG AGATGTGTATAAGAATATTGTTTTGAATAAATTTAAAGAAAATGATAATCGTTATTGACG **AATATCTACTGCTTGGGTATAGAGCATATTTCACAACCCGTAACTATTCTTGCGGAAACA** GAGAAAAAGTTTCTCTTCTATCTTGGATAAATATATTTACCCTCAGTTTAGTTAAGTAT TGGAATTTATACCTAAGTAGTAAAAGTTAGTAAATTATTTTTAACTAAAGAGTTAGTATC TACCATAATATTCTTTAACTAATTTCTAGGCTTGAAATTATGAGACCATATGCTACTA CTATTTATCAACTTTTTATTTTGTTTATTGGGAGTGTTTTTACTATGACCTCATGTGAAC CTGTGAATGAAAAGCAGATCAAAAAGCAGTAAGTGCGCAACAGGCTAAAGAACAAACCA GTTTCAACAATCCCGAGCCAATGACAGGATTTGAACATACGGTTACATTTGATTTTCAGG GCACCAAAATGGTTATCCCCTATGGCTATCTTGCACGGTATACGCAAGACAATGCCACAA AATGGCTTTCCGACACGCCAGGGCAGGATGCTTACTCCATTAATTTGATAGAGATTAGCG TCTATTACAAAAAAACCGACCAAGGCTGGGTTCTTGAGCCATACAACCAGCAAAACAAAG CGCACTTTATCCAATTTCTACGCGACGGTTTGGATAGCGTGGACGATATTGTTATCCGAA AAATGCCATCTGCCTATCCTGAATACGAGGCTTATGAAGATAAAAGACATATTCCTGAAA ATCCATATTTCATGAATTTTACTATATTAAAAAAGGAGAAAATCCGGCGATTATTACTC ATTGGAATAATCGAGTAAACCAGGCTGAAGAAGATAATTATAGCACTAGCGTAGGTTCCT GTATTAACGGTTTCACGGTACAGTATTACCCGTTTATTCGGGAAAAGCAGCAGCTCACAC AGCAGGAGTTGGTAGGTTATCACCAACAAGTAGAGCAATTGGTACAGAGTTTTGTAAACA CCAGAACAAATCCAAACCTTGCGTGGTTATGCTTCCCGTGGCGATACCTATGGCGGTTGG CGTTATTTGGCTAATTTGGGTGACCGTTATGCGGATGATGCTGCTGCAATTGTCGGTAAG GATGCAAACTTAAATGGTTTGAATTTATGGATGAAAAAAGGTGTGGAAAACCTATGGGAT GATACGGTCGGTAAAAAGACCCGTTTAGAGAAATTTGATCGGGTTGCATTGCAACATTTC AGCCAATATGTAGATCTAATTAATGAAAATAATGGTAGATTACCTAACACTAGTGAAATT GAGAGAAGTTACTATAAAGCCGTTACCGAAAATGGTGTTTCTTCTAGTGCAGCTATTGAT TTAGTTATTAATCGCTCACTTCCGGATATGGCAGATGGTTATTGGGCATTAGGTTTGGGG ATAGAAGCCGAACGTATCCACAATGAGCAAGCAGTAAATAATCCGAACGGTAGCGAAAGG GATAATAGAAAGCAGTTAATATCTGCTTTAGATAAAGGATTTGATGGATCTTTTAAAGAG AAGCATTTTACTTTTTTACAATCTGTGATAATGGATGTAACAAAGTTAGGTGTTGAATAT ACAATAGATGGTTGGCAAAAAATTGGAGGTTGGGGTAATGGGATAATCAATGATTTATAT AAAAGTGTTGTAAAAAGAGAGTGGACTGGAATATTTGAGATCGTTAATAATAACATCAAG CAATTTAGAGATCTGTTCCCAAATCCGGAAGGCTGGATCGATGATGGTCACCAATGTTTC GCTCCTTGGGTTAAAGAAACTAAAAAACGCAATGGCAAATATCATGTCTACGACCCCCTT GCCCTAGATTTGGACGGAGACGGCATAGAAACTGTCGCTGCCAAAGGCTTTTCAGGCAGC TTATTTGATCACCAACAACGGTATCCGCACCGCCACCGGTTGGGTTTCTGCCGATGAC GGTCTGCTTGTGCGCGATTTGAACGGCAACGGCATCATCGACAACGGTGCGGAACTCTTC GGCGACAATACCAAACTGGCAGACGGTTCTTTTGCCAAACACGGCTACGCGGCTTTGGCC GAATTGGATTCAAACGGCGACAACATCATCAACGCGGCAGACGCCGCATTCCAATCCCTG CGTGTATGGCAGGATCTCAACCAGGACGCCATTTCCCAAGCTAATGAATTGCGTACCCTT AACGGTAACACTTTGGCTCAGCAAGGCAGCTATACCAAAACAGACGGTACAACCGCAAAA ATGGGGGATTTACTTTTAGCAGCCGACAATCTGCACAGCCGCTTCAAAGACAAAGTGGAA CTCACTGCCGAACAGGCAAAAGCCGCCAATCTTGCGGGCATTGGCCGTCTGCGCGATTTG CGCGAAGCTGCCGCATTGTCCGGCGATTTGGCCAATATGCTGAAAGCTTATTCTGCCGCC GAAACTAAAGAAGCACAGTTGGCATTGTTAGATAATTTGATTCACAAATGGGCGGAAACC GATTCGAACTGGGGCAAAAAATCGCCAATGCGACTTTCAACCGATTGGACGCAAACGGCT AATGAAGGTATTGCACTGACACCATCCCAAGTAGCACAACTAAAAAAGAACGCTTTAGTT .TCCCTTTCTGATAAAGCTAAAGCAGGTATTGACGCCGCGCGCCCGCATTGCCGTGCTT GATGCCTACACGGGGCAGGATTCCAACACACTCTATTACATGAGCGAGGAAGATGCGCTT

AATATCGTCAAAGTAACCAACGATACATACGACCATCTCGCCAAAAACATCTACCAAAAC CTGTTGTTCCAAACCCGTTTGCAGCCATATTTGAATCAAATCAGTTTCAAAATGGAAAAT GATACGTTCACTTTGGATTTTAGTGGTCTTGTTCAAGCATTTAACCATGTCAAAGAAACT AATCCGCAAAAAGCTTTTGTGGATTTGGCCGAGATGCTTGCATATGGCGAACTTCGTTCT TGGTATGAAGGCCGAAGACTAATGACCGATTATGTGGAGGAGGCAAAAAAAGCAGGTAAA TTTGAAGATTACCAGAAAGTGTTGGGTCAGGAGACCGTTGCATTATTAGCTAAAACATCG GGTACGCAAGCAGATGATATCCTGCAAAATGTAGGCTTTGGTCATAATAAAAATGTTTCT TTATATGGTAATGACGGCAACGACACTCTAATCGGCGGCGCCGGTAATGACTATTTGGAG GGCGGCAGCGGTTCGGATACTTATGTCTTCGGCGAAGGCTTCGGTCAGGATACGGTCTAT AATTACGACTACGCTACCGGACGCAAAGACATCATCCGCTTTACCGACGGTATTACAGCC GATATGCTGACTTTTACCCGAGAGGGCAACCATCTTCTTATCAAGGCAAAAGACGGCAGT GGACAAGTGACTGTTCAGTCCTATTTCCAGAACGATGGCTCAGGTGCTTACCGTATCGAT GAGATTCATTTCGATAACGGCAAAGTACTGGATGTTGCCACTGTCAAAGAACTGGTACAG CAATCCACCGACGGTTCGGACAGATTGTATGCCTACCAATCCGGAAATACCTTAAATGGC GGATTGGGCGATGACTATCTGTACGGTGCCGACGGGGATGACCTGCTGAATGGTGATGCA GGCAACGACAGTATCTACAGTGGCAATGGCAATGATACGCTCGATGGAGGAGAAGGCAAC GACGCCCTGTACGGCTATAATGGTAACGATGCACTGAATGGTGGCGAAGGCAATGATCAT TTGAACGGCGAAGACGGTAACGACACTCTAATCGGCGGTGCAGGCAATGATTACTTGGAG GGCGGCAGCGGTTCGGATACTTATGTCTTCGGCAAAGGCTTCGGTCAGGATGCGGTCTAT AATTACGACTACGCTACCGGACGCAAAGACATCATCCGCTTTACCGACGGTATTACAGCC GATATGCTGACTTTTACCCGAGAGGGCAACCATCTTCTTATCAAGGCAAAAGACGGCAGT **GGACAAGTGACTGTTCAGTCCTATTTCCAGAACGATGGCTCAGGTGCTTACCGTATCGAT** GAGATTCATTTCGATAACGGCAAAGTACTGGATGTTGCCACTGTCAAAGAACTGGTACAG CAATCCACCGACGGTTCGGACAGATTGTATGCCTACCAATCCGGAAATACCTTAAATGGC GGATTGGGCGATGACTATCTGTACGGTGCCGACGGGGATGACCTGCTGAATGGTGATGCA GGCAACGACAGTATCTACAGTGGCAATGGCAATGATACGCTCGATGGAGGAGAAGGCAAC GACGCCCTGTACGGCTATAATGGTAACGATGCACTGAATGGTGGCGAAGGCAATGATCAT TTGAACGGCGAAGACGGTAACGACACTCTGATCGGCGGTGCAGGCAATGATTACTTGGAG GGCGGCAGCGGTTCGGATACTTATGTCTTCGGCGAAGGCTTCGGTCAGGATACGGTCTAT **AATTACCATGTGGATAAAAACTCTGACACTATGCACTTTAAAGGATTTAAAGCAGCAGAT** GTTCATTTTATCCGTTCCGGAAGTGATTTGGTGCTTAGCGCTTCTGAACAAGACAACGTA CGTATTTCCGGATTTTTCTATGGTGAAAACCATCGTGTAGATACATTTGTCTTTGATGAT GCAGCTATCAGTAATCCAGATTTTGCCAAGTATATTAATGCTGGCAATAATTTGGTACAG TCTATGTCTGTGTTCGGTTCTAATACTGCTGCGACAGGAAATGTGGATGCCAATATA CAATCCGTACAGCAGCCGTTATTGGTAACGCCATCTGCATAAGGAGCCTAATTACATTCA TGGCTTAAACTGAAAAACAGCAATCAAGTTTATTTTGATTGCTGTTTTTCTTAATATTGG GATAAGGGTCGTATTTTAATTAACCTTAATCGGTGCACTTCTAGCAATATAGTGGATTCA CAAAAACCAGTACAGCGTTGCCTCGCCTTACCGTACTATCTGTACTGTCTGCGGCTTCGT CGCCTTGTCCTGATTTTTGTTAATCCACTATAATTTTCAGACGGCCTTTTGCCTTTTCAA ATTCAAACCAATCAAACGGTTTTATTGCTTCATCGCGTTGGTCAAGGCTTTGATGTTGTG GCGGTACATTCCGATGTAGGTGTCTCGCGGGCGCGTTGCCGAGTGCGTCGGAATACAGTTT GCCGCTGACGTTGACACCGGTTTCTTTGGCGATACGGTCAACCATACGGGTGTCCTTGAT GTTTTCGGTAAAGACGGCTTTGATGCCTTCGCGTTTGATTTGTCGGATGATGGCGGCGAC TTGTTTGGCCGAAGGCTCGGCTTCGCTGCTCACGCCTTGCGGGGCGATGAATTCGATATG GTAACGTTTGCCCATATAGGAAAAGGCATCGTGCCCGGTCAGGACTTTGCGTTTGGCAGC AGGGACGCATTAAATGCGGCTTGTGCGTCGCTGTGCAGTTTTTTGAGCTGCATTTGGTA GTTGCCCAAGCGTTGTTGATAATAAACTTTGCCTTCGGGATCGGCCTTTATCAGGGCTTT GGCAACGTTTTGGGCATAGGCGGACATAAGGACGGGGTCGTTCCAGACGTGCGGGTCATA TTCGCCGTGGTCATGGTGTGTCCTTCGTGGTCATGATCGTGGTCGTGATGGTGTCCGCC TTCTTCTTCGGCTTTGAGGGGTTGGATGCCTTTGGTCGCTTCGGTATAGGATACTTTGCT TTGTTTGACGGCGCGTTGCACATCGGCAGCTTCAAGTCCTAAGCCGTTGAGCAGGACGAG CAATGCGGCAATAAGGGTGAGTTTGAGGTGTTTCATAACTGTTCTCCTGTGATATAACGT **AACATCTGTTATGGTAAAACAAGCCGCCTGTTTGTTCAAGCGGCTTGCGGGGTCAGGTGG** TGTGGTGGCGGTGGTTTTTGAGCCATTTGGTCAGAATGCCGCCTTCTTTGCCGAGTATGA TGTGGTAGGAAATGAGCAGTCCGCTCAAGCCGCACAGCAGGGCTGTCAGAACGGATAGGA GTCCGACGGACATGAGTGTGCCGAGGGCTTGAAAGCCGGATACGAGGTTCATGACGACCA GGACGAGAAAGAGGACGTGCCAAAGCCCGCCTTTGCCGCCGACGGATTTGAGAAACAGGG GGTCGATGCTTTCGAGTACGAGCGGGCGGTAGATGACGGCAAGGGTAATGAGCGTGAGGC TGGAGACGGCGGCATGAGCTGCAGGGCAGGAATATCGACGGCAAGTACAGAGCCGAAAA GGAGGTGGAGCAAATCGACGCTGCTCCCGTTTTTGCTGACGAGGACTACGCCGATGGCGA GGCTGCTGAGATAAAAGGCGGCAAAGTTGGCATCTTCTTTCAGGGTGGTGAAGCGGCTGA CGAGTCCGGCAAGCAGTGCCATCAGCATGCCTGCGGCTACGCCGCCCAAACCCATGGCGG GCAGGCTCAAGCCGGCAAACATGTAGCCGACGGCGCGCACCGGGCAGGACGGCGTGGCTCA ATGCGTCGCCTATCAGGCTCATACGGCGCATGACGAGGAATACGCCGACGGGTGCGGCAC TGAGGGACAGGCAGAAGACGGATGCGAGGGCGTAGCGCATAAAGTCGAATTCTGCAAAGG GGGCAAGGAGCAGGTCGTAGAGATTCATGGTTTTTCGGTTTCAGACGGCATTTATGAGGC GCACCAGTCGGGGCTTTCCTGTTGCTGCATTTTGGCGTTGGCTTGGGCGAGGTAGGGTTC TGTCAGAATGGTCTCGGTTGCGCCTGCCGCAATTTTTTCGCGGGCGAGCAGCAGGGTATT GGGAAAGTAGGCACGGACTTGTTCGTAATCGTGCAGTACGGCGATGATGGCGTGTCCGCC GCAATGGCATTTCTGCAATACGTCGAGAAGCTCGTAGGTTGTCCGTGCATCAACGGCATT

GAAGGGTTCGTCGAGCAGCAGGAATTTGGCATTTTGAACCAGCATTCGGGCAAAAAGGAC ACGCTGAAATTGTCCGTTTGAGAGATAGGCAATCTGACGGTCGGCAAACCGTTGCATTCC GACGCGCTCCAAGGCTTCGTGAACGCGTTGTTTTTTGAGCGGTATTTATCCCTTTGAAAAA GCCGATTTCATACCATAGCCCCATTGCCGCCAAGTCGAAAACGGTCATAGGCTGGGAGCG GTCGATATCGGACTGCTGGGGAAGGTAGGCGATGTTCTGACGGGTCAATCCGTCCAGCCG GATGCTGCCTGTATCGATAGGCTGCAATCCCATCAAGGATTTGAGAAAGGTGGATTTCCC TGCGCCGTTGGGACCGAAAACCGCCCACATACTATGTTCTTCAAAAGTAATGTCCACATG GTGCACGGCAGGTCGGCGGCGGTAGCTGACGGTCAGGTTTTCGACAATGATGCTCATGCG GATACTGCCCAAAAGTAAACGCCCCATAAAAGGGATACGGCAATCAGGGCAAGGATGAGG CGGAAGGTCAATCCTGATAGTAAAAGGGAAGGTGTCATGATGATTTGCGGTTTTGAAAGG GAAGGCGGTAAAGCGTTTATCGTTATATGGCTGATATGATACTGTATAACGTTTGGTCTG TCGTTGACTTGCCGGCATCGCAGCAATAAGAAATGCCGTCTGAAGGTTCAGACGGCATTG GGGGAAAACGGTTTGAATCAACCTTTGCGTGCAGGCAGTTTTTCTTTGATGCGTGCAGCT TTACCGGTCAGGCCGCGCAGGTAGTACAGTTTGGCACGGCGTACGTCGCCACGGCGTTTG ACTTCGATTTTTCGACGGTCGGAGAGTACAGTTGGAAAGTACGTTCAACACCTTCGCCG CTGGAGATTTTGCGGACGATGAAGTTGCTGTTCAGACCACGGTTGCGACGGCAATAACC ACGCCTTCGTAGGCTTGCAGACGGCTGCGGGTACCTTCCACGACGCGTACGGATACGACT ACGGTGTCGCCCGGTGCGAATTCGGGGGATTTCTTTATTCAGGCGGGCAATTTCTTCTTGC TCGAGCTGTTGAATCAGGTTCATTGTTTTTTTCCTAAATTATGATTGGATTTCCCGTTGC TCTTGCCGGATGGTTTCTAAGAGGCGGGATTCCTTTGGGATTAAAACGCGCTTTTCCAAA AGATCGGGTCTGCGCTCCAAGGTGCGGCGCAGCGATTGTTCCAACCGCCATTCCGCTATC AAGCCATGATTGCCGGAACGCAATACTTCCGGAACAGCCATACCTTGAAATTCTAAGGGT TTGGTGTAGTGGGGGCAGTCCAAAATGCCGCTTGAGAACGAATCCTGTTCGGCAGACTGC AGCTCTCCGCCGGAAACAACGAAGTCTCCGATGCTGATTTCTTCATCGACGCTGCTTTGC AGAAGCCTTTCGTCTATGCCCTCATACCGTCCGCACAGCAGAATCAGATGCGGAAGTTCT GCCAGTTCTACCGCTTTTTGGTGTGTCAAGCGGTTTCCCTTGGGGGCTGAGGTAGATGAC TTTTGCAGCTTGGGAGGATTGTGTTTTGGCGTGTTCTATTGCCGCATGAAGCGGCGGAGC CATCATAATCATTCCCGGGCCGCCGAACGGGCGGTCGTCGATGTAGCCCAATCTGTT TCCCGTTACGCCGTAGCGGGTAATGCTGTCGAACATTTCGGGGGAAAATGGTAACTGCCTG GATAAGCATCAGTAGTCCAAACCCCAGTCGGCAGTAATGGTCTTGCTGCCGGTATCGACG GTTTCGATATATTGGGAAACGAACGGAATCAGAATCTGCCCGTGTTCTCCGTCAATCATC AATACGTCGTTTGCGCCGGTTTCCATCAGGTTGCTTACCTTGCCTAAAACGGTATGGTCT TTGTTGACAACGGTCATGCCGACCAAGTCTGTCCAGTAGTATTCGTCTTCTTCTGTCGGG GCGAATGCTTCACGGGGTATTTCGATGGTGTAACCGCGCAATGAGAATGCCAAGTCGCGG TCGTTTATGCCTTCGAATTTGACTTGGAGTTCGCCGTTGACGACTTTTCCGGCTTCAAGG GTAACGCTGATGGTTTTGCCGTCCTTGACCAAATGCCACTCGGGGTAGTCCAAAAGGCTG TCGGAATATTCGGTGTTGGCGGCAATTTTCAACCAGCCTTTTATGCCGAATACGCCTTTG ATGTAGCCCATGGCTACCCGGTTTTGAGTGTCTGTCATGGCGGCAAATGCGGATTAGGCG GCTTTTTGTTCTTTAATCAGTTTTGCAACGGAGTCGCTGACTTGCGCGCCCTTGTGCAATC CAGTGGTTCAGGCGGTCTGCATTGAGGCGGACGCGCTCTTGTTTTTCGTTGGCTACGGGG TTGTAGAAGCCTACGCGTTCGATGAAGCGGCCGTCGCGGCGGCTGCGTGAGTCAGTAACG ATGACGTTGTAGAAGGGGCGGTGTTTCGAGCCGCCGCGTGCCAAACGGATAACTACCATT TTGAGTCCTTTTGAGAAAATCGGATATATGGAAACTGCCGATTTTAGGTTATTTTGTGGT CGGTGCGCAAGTTTTATTTGTTTTTTCTGTTGTTTTTGTCTGCCGCAAGGTTCAGATATG CGCGGTACAGGTTTTTTTCGGTGTCCGATTCCTTGAGGGTAAATCCTGATTTTTCAGCAA GTTTGATCATGGGGGTATTGGTTTTGAGAATGTCGGCACTCATAGTCCGGTAGCCTTGCT GTGCGGCGGTTTGGATGATGAGTTCCATCATTTTCTGTGCCAGTCCGCTGCCGCGCATAT GTTCCGCCAGTGTGATGCCGAATTCGCATTCGTTGCGATTCAGGCGGCTGTGGCGGACGA CGGCGACGATGTTGCTGTCGGCATCCTTTGCCGTCCATGCGGCTTCACAGTGGTAATCGG GGTTGCACAGGCGTGCCAACGTGGCTGCGGGCAGTTCGTTGGTGTGGGTCATGAAGCGTG TGTACCGTGCTTCGGGACCGAGGCTGCGGACGAACTGCTGTTTGGCTTCTGCGTCTTCGG GCAAAATGGGGGTAATGGTAACGGTCGTGTTGTTTCTTAGGGACAGTGTTTTGGGGTATG CTGCGGGATAGGGGCAAGTACGTTGGGTACGCTGCTCCGGTTTCGGTTTTGCTGCCGA GCAGTTCTGCGGCGGCTTCGCTTGTGTGGCGGAGAAATTCGGCGGCTGTCGGGTTTTTGT GTTTCAGGTATGCGGCGCACTCTGCATTTTTGCGGCGGCATGTTCGAGGGTTTGGGCGG CTTTGCCTGTGTTCTTGCGTTTGGGCGTGTCGTGTGTTTCGGGTGTCTTTAAGAGGAAAT CGCTGCTGTATTGTCCGCCGTTGAGGTTGAGGGTGATGCCGAGAATGTGTTGGCGGTATT CGGGAATGACGGTCAGTGTGTGCAGGAACTGGTCGAGGGTTTGTGTGCCGTCGAGTTCGG CAAAGCGGGCAAGGTGGCGGCTGTCGAGCGTGGTAAACGGCGGGAGTACGGCAGTGGTTT GTCCGTTGCAGCGTGCGGTCAGGATGTCGCCATAGAGGGGGTGGCTGTCGAATTGGAATT AGGGGTTTGCCGCTGCAAGGGCTTTTTTGATGTTTTTGGGGTTGCGGTGTTTTCAGACGGC ATGGCTGCGGCGGTGCAATGTCGAGCTGTGCCTGTTTCAGGGCGGCGGCGGTGTTGCGGT AGGAAAGGGTGCGGATTGCCTGAGTGGGGGTGTCGAAATGGGTTATGCCGTCTGAAAAGG GGCTGCTGACGAGCAGGGGTTTGGCGGTCTGTTCGGACAGGCGGATAAGGGCGCGTGCTG TTTTTTTGTAATCCTCGTGTCCGGAGGGACTGAGGATGGTTAGGACGGCTTGGGTGTCGG GGTGGGCAAGCTGACGTGAGGCGATGTCGTGGCAGATTGAGGGTGTGGGTGTGCCGGTCA GGTGTCCGTTGCGGATGTGGTGGGGAAGGTTGGGAAAGTGGAGGTTTTTTTGGCG CGTGCGCGTGCAGCCATTCGGCAGGCGTGTCGGACAGGATGTCGAGTCGGGACAGGGGTG GAAGGTCGGACAGTTGGGCGCGCAGTGCGGCTTCGAGGTCGTCGGCGTTGAAACTGACGA AGGTGATGTGGAGAATCAGCGGCGTATGGCGGGTAAATTGGCGGATTGCGCTGAACAGTT

TGCGCTGATCCTCTCAGGGTTGTGGTGTAGGACGGCGGTTTTGGTGTGCAGGCTGTGTC CGAAGCGGTTGAGCCAATCGGCGGATGTGATGGGGCTGATGCCGGGATGCAGGCTGATGT GGCGGGATGTGCCTTGACGGAGTTTGTTCAGGATGTTGTCGATTTGGCGGCTGACGGCGG CATTGCCGGTCAGTATGGCGGTATGGCCTGCGGCGTATCCGTCTTGGGTACTGATGTTGA GTCCGAGTGAGGGCAGTTGGATGCCTGCGGTGGTGCAGGCGGTGATGTTGAGTCCGTTGC CGTGGTGTTTGCGGATGGCAGTTTCGGCGGTGTGCAGTTCTGCGGCAGACAGGTTGTCCC AGTCCTGTATGAGGATGATGTGTCGGAGCTGCTTTTTGCGGCAGGTTTTGAAGAGGGTGT CGTAACTGTCGGGTAGGGTAACGGCAATAATCAGGTCTGCATTGCCGGGGATTTTGTTGA GGCTGGTGTAGGCGGCAGTCCGGCTATGGTGTGGTGGCGCGGGTTTACGGGGGTGATTT TTCCTTGAAAGGGCGTACTCAGCAGGTTGCTGAGTACACGTTCGCCCAGGCTGTACGGTT GTTCGCTCGCGCCTATCAGGATGATGTGGTTGGGCATGAAGAAGTAGCCCGGATCGGTTT GTGCCGACATGATATATTCCTTTGCGGACGGTATGTGCGTGATTTTTGGAGAGACACCCG CTGTGTGTTTTGTGGGGTAACTGTTTGTGCAATGCCGTCTGAAGCCGGTTCAGACGGT ATTATGGTCAGTTCGCACTTTTTTCTGTTTTGGAACCGGTTTTTTTCTTGGGCAGGATAA AGCGCATCCGCAGACCGTTCGGTTTGATGTTTTCGGCGATGATTTTGCCGCAGTGCTGTT CAATAATATGTTGGGTCAATGCAAGCCCCAGTCCTGTTCCGGGTTTGTTGGCACTGGAGT CTGCACGGTAGAAAGCGGTGAAGATGTGCGGGAGCTGCATTTCGTCCACGCCGGGGCCGT TGTCGGTAACGTCGATTATCCAGTGTTTGTGGTCTTGTCCGATGTTGATCAGGATGGTGC TGCCTTCGGGACTGTAGTTGACGGCGTTGCGGATGACGTTGTCGAAGGCGCGGTACAGGT AGCTTTCGTTGGCAAGGATGGTTGTGTTTTCGGGGGATTTTTCCGTCGGCAGACAGGGTAA CCGTTTGTCCGTTTTTCTGGGCAATGCTTTGATTGTCTTCTACCAGGTTGCCCAGGAAGG GCAGGAGTTTCAGGCTTTCTTTTTCCAAAGCCATATTGGAAGTTTCGAGACGGGACAGGG TTAACAGTTCCCCGGCCAGCGTATCCATGCGGGTCAGTTCGCCTTCCAGCCGTTTGAGAT ATTGCTCCTGTTTTTGGGGCTGCGCCTGAATCAGTCCGACAATTGCCTGCATGCGCGCAA GGGGAGAACGCATTTCATGGGAGACGTGATGGAGCAGGTGGCGTTCTTTGGCAACGAGTT TTTCGAGTTTTTCCACCATTTTGTCGAATTGGATGGCAAGATGGGACAATTCGTCGTCGC GGTCGTCGACCTGTTGGGAGATACGGGTTTCAAGTTCTCCGTTTGCCACCCTGTCCATGC CGTTGCCTAAGATTCTGATGGGTTTGGCAATGTTGCCGGCGAGGATATATGCCATCAGCA GTCCGACGATGATGAAGGACAATATGATGAGTTCGTGCCAAATCGGGGCGAGCGGCA GGCCGGGGATCAACAGGGGGCTGGGCAGGCGGCGGGCTTGGAGTTTGTCCCAGTCTTTGG TGAAGAACAGGTATTCTTCGCCGAAGCGGTCGTATTCGATATGGACGAGGTTGGAATGCG **GGTGTCCGGCGGCGAAAAGCCGGGCGCGTTCGATGGTATAGCTGTCGATATACCGGTTCA** GGATATCTTTTTTCTCGTCGCCCTGTATAACGTACACGCCCGATGAGACGGGGCTGTCTT TCCATTCCGTCAGGATTTCGCGCGCACCCGCGTCCCCGCGTGCCCGGAATGCGGAAATGA TGTTCTGCACCAGCCAGAAAGAAAAACTCGCCACAAAGATTGCACAGACGATAACCGCGC AAAATGTGGCGAAAATGCGTTGGAACAGTTTCATTTATCTGTTTATTTCAGTTTTTGACA AACAGGTAGCCCAAGCCGCGTACGGTTTGAATCAGAGAGGCATCGCCCAACTTGTGGCGG **ATGCTGGAGATGTGTACGTCGATACTGCGGTCGAATTTTGCCAGCTTGCGGTCGAGTGCT** TCGACGGACAGGGTTTCTTTGCTGACTACCTGTCCGGCATGGCGCATCAGGACTTCGAGC AGGTTGAATTCGGTGCTGGTCAGTTCGAGCGGCATGTCTTTGACGGATGCCTGGCGTTTG GCGGGGTACAGGACGACATCGCTGACGGAGATGCTGTTGGGTGCGTTGTTCTGTTCGCCG CTGTGTTGTGCGCGCGCAGGATGGCATTGATGCGTGCCAAGAGTTCGCGTGGTGTGCAG GGTTTGGGGACATAGTCGTCCGCGCCCATTTCCAAGCCGATGATTCGGTCGATGTCGTCG CCTTTGGCGGTCAGCATGATGATGGGGGACGGTGCTTCGGGCGCGTACGTTTTTCAAGACA TCCAAGCCGTTCATTTTGGGCATCATGGAATCCAATACGACTACATCGTACTGCCCGCTC AGGATTTCCTGTACGCCTGCTTCCCCGTCGGGAACGCTGCGGACGTTCAGACCTTCGGCG CTCAGGTATTCGGTCAGCAGTTCGGTTAGCAGGCATCGTCATCTACGAGTAATACGCGG AGATTGTTTGACGGTTTATCTTAACACGGCTGCAATGTTTTTTGATAGCGTATTTCCCTA CCGGTTTGCTGTTTTTTGCAATGTCTTGCATGGAGCTTTACATTTCGGGCGGTATCCGCA TCCGCCGGCGCGGGTCATTTGCAGGGTTTTGCTTCCGGATGACCGGGCGCGGCGGCGAAG GCTTTGCAGTCTTTGAGCAGTTCGGGTAGCAGCGCCCCATACGGGCAGTTTGCGGATT TCGTCGGCGTATCGGGGCATCAGGTAGGGGTAATAGGACTGTGTCGCCCGCATCCATTGT TTTGCTTCTGCAACTTTGCCTTGCCGCATCAGGTAGAGGGCGATGCGGTAGGTGGCGGAG TGGGGGCGGTATTTTAGTGATTTGAGGGTTGCTTCTTCCGCCCAAGTCTGGGTTTCGGGG TATTCCGGCAGGGCGAAGTTTACGAGGGAGAAGTCGGCATAAAAGGACAGCATCGGACTG TTTGCGGAAATATAGCGCAACTCGTTGATTTTCCGGTTGAGGGTTTTGGCACTGTCGTCA GTGGCGGGGAAAAGGCGTTAACCAGCCGGGTGTATGTCCAGTCCAAGTGCAGCAATCCT GCGAATATGGCGGCGGAGGCGGTCAGTATGCCGAGATTGGCGGCTTTTTTGAAGGCGATG CCGTCTGAAGCCTCTGCGGGGGACAGGAAGAGCATCAGTCCGAAAGGGATGAGGAAATAG ACATACCACAAAGGATATTCGAGCATACTGTGGCACATACTGACGGCAAGCGTGCAGATT AGGAAAAGCGATGCGGGGGTCAGGGGGGCGTTTAAGCAGCCCGGCAATGCCCGTCAGCAGG GTTGCGGCAACCAGAAGCGTGCCGCTGATTCCCATCTCTGCAAGGAGTTGGAGGACGATG TTGTGGGAATGGGTGAACAAGTTGCTGAGGAGGTTGTCGTATATGTTGTGCTGTTCGGCA TTGATGAGGAAGGTTTGTTGGGCAAAACTGTTCCAGCCGTGCCCGAATATCGGGGCGGAC TGGAAGGCGCAAGGCTTTATTCCATTCGATTTGGCGCGCAAGTCTGTGAAACCGCCG TTGGCGACGCGTTCGACGGCAGTTTCGTAGCGGATGCCAGTAAAGGTTTCCAGAATGGTG TTCATGGAAAATTGGAACAGCGCGGTAAGGAATACGGCTGCGGCTATGCCGAGCATCGTC CGCCTGTTGGATTTGTCCGAACGGAAATACCAGAAGGGAAGGATGAGGGCGATGGCGGCT ATGTAGGTCAAGATGGTGCGCGAGTTGACCAAACCTAAAACGGCGGTCTGCATAATCAGG CAGATTACGCCGAGGGCGGCGGGGATTTTTCGTTGTCCGTTGAGGTAGGCGGCGGCGAGT ATGCCCCACATGAGGTAGTGTCCGAGGTTGTTGCGCTGCCCGATGTGTCCGATTACGCCT TGCCCGCTGTAAACGATGATGTTTTGAAACAGAGGGGTGTCTTCCCAGCCGGCAAACTGG **ATGACGACGATGCAGGATTGAAGCAGGGAGCCGATAAGCAGCGACCAGGCAAACAGGGTC**

ACGATGCGTTCTTGTCCGAAGTGTGCGACCAAGCTCCGGCAGGCCCACGCGCTGACGGCG AGCAAGATGAAAATCCAAGAGACGATGTCGTTCATACCGGGGTAAATCAGGTTCATCAGG TTGACATCAAACAGTTTTTTTCCTGCCGTGAGGAACAACAGGACAATCAGGCCGGCTGCG GCGGCGCATCGTGGTAAAAGTCGGGCGACGGTTTCAGTTTGAGCGCGAAGGTAAAGGGG ACGATGCCTATCCAAAGGAAGCAGGGCAGGATGTAAATCGGCAGTTTGGCGGCGGGGTGC TGCGGGATAGGCGTCGAACAGGCGCATGACGGCTTCGGCAAAGTAAATCAGAACCAGCAT GGGGAGGCTTTGAGCGCGAGCCACGAGCCGCCCGGGCGCAACGGTGCAATCCACAGTTC CCAGGAAAGGGACAGGATTATCAGTGCGATCAGGCTGAAAGAGGCAAGGAGGTAAGCGGT TTGTCTGTTCACGGCGGTCTTTACGGTTTAAGGGCGGACAAGGGGGAGCGGTATCCCAAA TCCTGCAACATCGAAACGGTTTCATAAACGGGCAGTCCCATAATGCCGCTGAAGCTGCCT TCGATAGATTGGATAAAGATGCCGCCTATGCCTTGTACGGCGTAGGCACCGGCTTTGTCC ATCGGCTCGCCGCTTTGCACATAGGCGGAAATTTCTTCCGAACTCAGGGGCTTGAAAACG AGGACGGTATGTTGTTTGCCGGACAATCGGTTTAAAAATTCGATTGCTTCGGCTTGGGAG CGGGGTTTGCCCAATATGATGCCGTCTGAAACGACGCAGGTGTCGGCGGTAATCAGGGGG AAATCGGGCATTGTGCCGTTGGTTTCGCAAAAGAGGGTCAGGGCGGTTCGGTTTTTTCT TCTGCCATCCTTTGAACGTAAGCGAAAGGTGTTTCGCCGGCTTTAACGGATTCGTCGATG CCGGCAGGCAGTTGGATGACGCGGTAGCCCAACTGTGTCAGGATTTCCATTCGGCGCGGG CTGTTTGAACCTAAATAGAGGGTATTCAAAGGTATTCCTTAATCTGTTGCGGTATGAGGC GGAGGTTCGGACGCATAGTGTCAGGTTGTTGCAGGCGGCCGTATGTCGCCATCCTGTTC TGAACGTGGCGTGAAAAAGCGTCCGAACCAAATACCTGCTTCGTATAAGAGAATCAGCGG **AATGGCAAGCAGGGTTTGTGAAATCACATCGGGCGGCGTGATGATGGCGGCAATGACAAA** CGCGCCGACAATCACATAGGGGCGGGGCGCGTTTGAGCTGTCCGGTTGTTACCACACCAAT CCCCAAGATGAAGGAGGGTATTTGTCGATGTCTGTCGCCATATTGACACCGACAGGGGT **AACGCTGGCAAGGAATTTGAAAATGACGGGGAAAACCAAAAAGTAGGCAAATGCCATGCC** GATGAAAAACAGGCTGACGCTGGAGAGGACGAGCGCGTAATCAGGCGTTTTTCGTTTTG GTAGAGTGCGGGCGCGACAAATGCCCAGATTTGGTAGAGCGTATGCGGCAGCGAAATTAA AAATGCCGCCATCAGGGTAACTTTGACCGGCACGAAAAATGGTGCGATGACATCGGTGGC AATCATGCTGGTGTCTTTGGGCAGGTTTGCCATCAGCGGGTCGGCGATAAAAGTATAGAG TTGTTGGGCAAACGGCATTAGGCCGAAAAAGCAGACTAAGATGCCGACAACCGTCCACAT CAGGCGGCGCGCAGCTCGATGAGATGCTCGACAAGCGGTTGGACGGGTTGTTCGTTTTG TGTTTCGGACACCGGATTGCTCTCTTTATGATTTACGGACGCGCAATTTAGGTTTGGCGC GGTGTTTCGGACGAAAATCGCGTTTGCGGCTTATTGCCTGTTTGCGCAGGGAAGTGGTGT GCGGAACAGGCGTTTCAACAGCAGTATCGATATAGCTGACTTCGACGGTCTGTACGACGG GTGCGGCGGCAGAAGCAGTCAGGTATTCCCGCCATGCGCGGTCTTGGTCGGTTTCCGCGG GTTCGGCTGTACTGCCGGTTTGCCCGCTGTCCCCAAGGGTTTCGGCGGAAGCGTAGGAAC GTTCGGACGCATAACGTCGGAAATGCCGTCTGATAGGGTGTTTGCCGCATCGGGAAGCG GATTGCCGTTTTCATCGACACCGAAATCGGCAGGTGTCCGCTGTTCGGGCAGTTTTTCCC AAGGCTTCAGACCGTCGGAAATGTCGTGCAGATTGCCTTCCATATCCGTACCGGTTTCTT TGAGGCTGTCTCGAACCTGAGCGGCGGCGGCAGCTTCAAATTCCTGCTTTGCCTTCCTCAGTT CTTCCAGTTCGATTTGAGTGTCAAATTCCTGTTTGACGCTGCCGACAAAGCGTTGCAGCC TGCCGATGAGCCGTCCGGCGGTGCGGGCGGCCTCGGGCAGGCGTTCGGGGCCGAGGACAA TCAGGGCGATAATGCCGACAAAAACCAGCTCGCCCAAACCGAAATCAAACATAAATTACG ${\tt CTTTGTCTTCGTCTTTTTGTGTTCGATTACATCGTCTTTTTGGGCTTCTTTGCCGTCTG}$ TACCTTCGTTCAGCCCCTGTTTGAAGTCATGAACCGCACCGCCGAGGTCTTTGCCGACGT TGCGCAGTTTTTTGGTGCCGAATATCAAAACGACGATAATCAGTACGATAATCCAGTGCG TCAGAGAAAAACTGCCCATGATGTATCCTTAAGTAAGTATTAGGGGTTGATTGTGAAATA ACGGTTTATACGGGTGTACCCATGATGTGTATATGCAGGTGGAAGACCTCTTGTCCGCCG CCTTTTCCGGTATTGATCAGGGTTTTGAAGCCGTCTGCCAGTCCTGCCGCTTTGGCGATT ${\tt TCGGGAACTTCAACATCATTTTGCCCAGCAGCATCTGATGTTCGGGCGCGGCGTGTGCC}$ AACGAATCGAAATGGACTTTGGGAATCAGCAGCAGATGAACCGGAGCAGCGGGGTTGATG TCTTTGAAACAAACCATTTCGCCGTCTTCATAGACGGTTTGCGCCGGAATGTCTTTGGCG GCGATTTTGCAGAAAATACAGTTGTCCATAACGGCTCCGATGCCGTCTGAAAAGCGGTCA GACGGATTGAATGTGGGAAAGTGCGGATTTTAATATAAATTCAAGATTCTGTGCGAGCGG CTTTTTCGACCAGCCCCGACAGCCCCTGACGCGCGCAAGTTCGTCCAATACGTCTTCCG CCTTCAGGTCGTGGTGTCAGAAGAATCATGGTGTGAAACCATAAGTCGGCAACTTCGT TCACTTTTTTTAGGATTTTGTCTTCGCCCTTATGCAAGAGCTGTGCGACGTAAGATTCGG ACGGATTGGCAGATTTTCGCTGGGTGATGGTTTGTTGGATGGCGGATAGTACGGAATCTC CCATGATTTTCCTTCTGTTTGTTTCTGTTTCGGAATGATAGGCTAAACGGCTGCTCT CGGGCAATACGCCTGTTGCGCTTCGTTGGAAAATGCCGTCTGAGCGTTTCAGACGGCATT TGTGCTGTTGCAAATGTAATTTGCTTACAGGTTTGGACTCACAATAATTTTAACGGCGGA TTCGTTGTTGTGAATCAGACGCTCGAAGCCTTTGGAAACCAGCTCGTCCAGCTTGATGCG CTGGGTGATGAAAGGCTCAAGGTTGATTTTGCCTTCTTCGACCAGTTTGATGGTTTCGGC GTGGTCGTTGCAGTAGGCAATCGTGCCGCGCACGTCCAACTCTTTCATCACGACGCTGTG GACGTTGATGGTGGCGGGGTGGCTCCAGATGGATACGATAACCAAATTGGCGGCAGGTTT GCAGGCTTCGACCAAAGTATCCAACACTTTGTTGACGCTGGTGCACTCAAATGCCACGTC CACGCCTTCGCCGTTGGTCAGTTTTTTCACTTCTGCAACAACATCGACTTCGGACGGGTC GAGGATGTAGTCGGCAACGCCGGATTCGCGCGCTTTGTCTTTGCGTGCTTTACTCAACTC GGTGATGATGACTTTGATGCCTTTGGCTTTCAACACGGCAGCCAACAGCAAACCGATCGG

ACCTGCACCGCCGACCAATGCGACGTCGCCTTCTTTCGCGCCGCTGCGTACATAGGCGTG GTGTCCGACAGACAGCGGTTCGATCAAAGCGGCTTGATCCAACGGGATTTTGTCGGAAAT GTCATCGCGGATGATGTAGGGTTCGACCACGACGTGTTGGCCGACTTTGATGTCGTCCAC GCCTTCGCCGACGGCATAGACCACGCCGGAGAACTCGTGTCCCATCGTTACGGGTGCGGA CTCGCCGGAAATCGGGTGCGGATGACCGCAAGGCGGAATGAAAATCGGGCCTTCCATGAA TTCGTGCAGGTCAGTACCGCAGATGCCGCACCAGGCGACATTGATGCCGACAGTGCCGGG GGCGACGGTCGGGTTCGGGGATGTCTTCGATGCGGATGTCGCCTTTGTCGTAAAAACGTGC TGCTTTCATTGTAACGCTCCTTGTTTTCAAGTAGGAATACCGTCTGAATCTGGCAGGCGG CGGTTGAAATGGGAATGGCGTGAAGAAGCTTGACCGTTTCCAGTTGAATCTGTTTAGATA TTTTACTACAAGAGGAGACCTTTGCAATAACATAGGTTACTAAAATTTTATGCTCAATCT CATTTTCAAAATGCAAAACTTTTCTGATTTTTCCTACTTTTTGCTCAATATTAGGAAGGT TTTAGGCAATTGAAAATTTTTTGGCGCATTTTTATGCGTCAAATTTCGTTAACAGACTAT TTTTGCAAAGGTCTCAAGAGATGTGTTTAAGCACGCGGAAGGCTTTCTGTTTGCGTCAGG TCAAATAATGATGTCGTCTGAAAACCGAATCGGCTTCAGACGGCATTTATAGTGGATTAA CAAAAACCAGTACGGTGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTC AAGCACCAAGTGAATCGGTTCCGTACTATCTGTACTGTCTGCGGGCTTCGTCGCCTTGTCC TGATTTTTGTTAATCCACTATATGTCGTAACGGTCGGATTGGGTAGGTTGGCGCACCTGT CCGGTTTTCGGTTTGGCAAACCGTTTTTTTTTTTGTTGGGTCCAGTGTTTTCTGATAGGCGGTT GCGGCATCGGATTTGCCCAGCCCTGCCAGCACGCGGATATGCTCGGCAGCAGATTGTGCC AGAGGTTCAAGGGTGTAGCCGCCTTCGAGTACGGATATGATTTTGCCGGGGCAGCCCGAT GCCGTCTGAATGATTTTGTGTGTCAGCCAGGCAAAATCCGCCTCGTGCAGGTTGAGCCTG CCCGATTCGTCTAGACGGTGTGCGTCGAATCCTGCCGACAGCAGCACCAGTTCGGGTTTG AATGCGGCAAGTCGGGGTAGCCACTGCCTGCGGACGGCTTCGCGGAATGTGCGGCTGCCC GTTCCTGGCGGCAAGGGCAGGTGCACCATATTGCCGCCGTCGGGCATATCGTTGTTTTCG GGGAAGGGGAAAAGGTCGGTTTCAAACAGGTTGAAAAACAGGATGCGCGGATCGTCTTTG AATATTTCTGCCGTACCGTCGCCGTAGTGGACATCGAAATCGATGACGGCAATGCGTTTC CATGCTTTACGGTTCATGACCATGTCGACTGCCTGAACTGCCGAACCGGCGGCAAAGCGT GCGGCAGACAGCGATCCTGTGCTGATTGCAGTGTCGTTATCCAGGCGGGAAATCTTGCCT TTTTGGGGCAGGCAAGATTCCAAACGGTTCAGATATTTGCTCGAGTGGACAAGTGCGAGG CGCGTATCGCTGATTTCTTCCGCCTCTATGGTTTGGAGGTGCTGCCAAATACCGGCGCGG CGCAATGCCTCGATGCAGAGGATGCGGTCGGGCGAATCGGGATGGTTTGCGCCGGGT TCGTGCCCGGCACAGGCGGGATGCGAAATCCATGCGGTGCGGGCGTTTTTTGCCCAAAAAA AGGCGCAACAGTGCATAGAATTTCAAGATTAGGCGGGTCAAGGACATGGGTTTGTGGACG GGCAGGCTGCGGTATACGGTCGGTACGGACGGCAAACCCGATATATTGTTTACGGTCTTA CAAGCTGTTGCACAATTTGCTCCTTTAGTGTTGATTATGGTGGTGTTCTACTTCCTGATC ATGCGTCCGCAGCAAAAGAAATTCAAAGCGCATCAGGCAATGCTTGCCGCCTTGAAAGTC GGCGACAAAGTGGTCTTGGCGGCAGGTTTCAAGGGTAAGGTAACCAGAGTCGGCGAACAG TTTTTTACCGTGGATATCGGACAGGGTACAAAAATCGAGGTCGAAGTGGAACGCAATGCG ATTGCCGCAAAAGTCGATTGATTTGTGCCGACAAGCCGCATCTGGAAAGCCCGAATGCGG CACTTTGTTTTGAATTCCAACCGAAGGCTTGACCATGTTCCGACACGCAGGGCGGCATAT TCAGGATGCCGCTTTCCGGTCTTGCCTGGCTGGGAAGGGTTTTTGCCTCTTCTGAAATAG CCCGATTCCGACACCACCGAAAGGGTGGGGTTCCAACCATTAAGGAACAATGATGAACCG TTATCCTTTATGGAAATATCTGCTGATTGTGTTCACGATTGCGGTTGCCGCAGTGTATTC GCTGCCCAACCTATTCGGCGAAACACCCGCCGTGCAGGTATCGACCAACCGACAAGCCAT CATCATCAACGAACAGACTCAATTCAAAGTGGATGCCGCGCTGAAAAACGCAGGTATTCA GACCGACGGGATGTTTGTTGTGGACAATTCACTGAAAGTGCGTTTCAAAGACACAGAAAC GCAGCTTAAAGCGCGCGACGTCATCGAAAACACTTTGGGCGAAGGGTATATTACCGCGCT CAACCTGTTGGCGGACAGCCCCGAATGGATGGCGAAAATCAAAGCCAATCCGATGTTTTT GGGTTTGGACCTGCGCGGCGGCGTGCATTTCACCATGCAGGTCGATATGAAAGCGGCGAT GCAGAAAACGTTTGAACGTTATTCGGGCGACATCCGCCGCGAACTGCGCCGCGAAAAAAT CCGCAGCGGCACGGTGCGTCAGGCTGGAAACAGCCTGACCGTCCCTTTGCAGGATGCAGG TGATGTGCAAAAGGCTCTGCCGCAGTTGCGCAAGCTGTTTCCTGAAGCAACGCTGAATTC AGACGGCAGCAATATCGTCTTGACGCTTTCGGAAGAGGCGGTCAATAAAGTGTGTTCCGA TGCGGTCAAACAGAACATCACTACCCTGCACAACCGTGTGAACGAGTTGGGCGTGGCCGA GCCCGTCATCCAGCAGTCCGGTGCAGACCGTATCGTCGTGCAGCTTCCGGGCGTTCAGGA TACTGCCAAGGCAAAAGACATCATCGGCCGTACCGCGACTTTGGAATTGCGTATGGTGGA GGACGATCCTGCCAAGTTGCGCGAGGCATTGGAAGGCAACGTGCCGAGCGGTTATGAGCT GCTTTCAAGCGGCGGAGATCGTCCCGAAATTCTGCTGATCAGCAAACAGGTCGAGCTGAC GGGCGACAACATCAACGATGCGCAACCGAGTTTCGACCAAATGGGCGCACCTGCCGTCAG CAAACGCATGGCGATGGTTTTGATCGACCAAGGAAAATCCGAGGTTGTAACCGCGCCGGT TATCCGTACTGCCATTACCGGCGGACGCGTGGAAATTTCCGGAAGCATGACGACAGCCGA AGCCAATGATACGTCTTTGCTGTTGCGTGCCGGTTCTCTTTGCCGCACCGATGCAGATTGT CGAAGAACGTACCATCGGTCCGTCTTTGGGTAAGGAGAACATCGAAAAAGGCTTCCATTC GACTTTATGGGGTTTTGCCATCGTTGCTGCATTCATGGTGGTTTACTATCGTCTGATGGG TTTCTTTCTACCATTGCATTGAGTGCCAACATACTGTTCCTAATCGGTATTTTGTCTGC CATGCAGGCAACGTTGACGTTACCGGGTATGGCCGCGCTGGCGTTGACTTTGGGTATGGC AATCGACTCCAACGTCTTGATTAACGAACGTATCCGCGAAGAATTGCGTGCCGGCGTGCC GCCGCAGCAGCAATCAATCTCGGTTTCCAACACGCATGGGCGACCATTGTCGATTCGAA CCTGACTTCGCTGATTGCCGGTATCGCGCTTTTGGTATTCGGTTCCGGCCCGGTACGCGG

TTTTGCGGTCGTACACTGTTTGGGTATTCTGACTTCGATGTATTCATCCGTCGTCGTATT CCGTGCGTTGGTCAATCTGTGGTACGGACGCAGACGCAAATTGCAGAATATTTCCATTGG TTCGGTGTGGAAGCCGAAAGCCGAAATGGCAGGAGGCAAGGAGTAAGCTATGGAACTCTT TAAAATCAAACGCGATATTCCGTTTATGAGCTACGGCAAACTGACGACCTTCATTTCGTT GGTTACGTTTATCGCTGCCGTGTTCTTTTTGGTTACCAGAGGTCTGAATTTCTCTGTCGA ATTTACCGGCGGTACGGTAATGGAAGTCCAATATCAGCAGGGTGCGGATGTCAATAAGAT GCGCGAACGCCTCGATACGCTGAAAATAGGTGATGTACAGGTTCAGGCATTGGGTACGAA CAAACACATCATGATCCGCCTGCCGAACAAAGAAGATGTTACTTCCGCACAGTTGTCCAA TCAGGTTATGGATTTGCTGAAAAAAGACAGTCCCGACGTTACCTTGCGCCAAGTCGAATT TATCGGCCCGCAAGTCGGTGAGGAATTGGTAAGTAATGGATTGATGGCTTTAGGTTTTGT CGTTATCGGCATCATTATTTACCTGTCGATGCGTTTTGAATGGCGTTTTGCCGTATCTGC CATTATCGCCAATATGCACGACATCGTGATTATTCTCGGCTGCTTTGCCTTCTTCCAATG GGAATTTTCGCTGACCGTCTTGGCGGGTATCCTTGCCGTATTGGGCTATTCTGTGAACGA ATCCGTCGTCGTCTTCGACCGTATCCGTGAAAACTTCCGCAAGCCGGCGATGCGCGGACA TGCCGTGCCGGAAGTCATCGACAACGCGATTACCGCAACGATGAGCCGCACCATCATTAC CCACGGTTCGACCGAGGCGATGGTCGTATCCATGCTGGTGTTCCGCGGTGCGGCCTTGCA CGGCTTTTCTATGGCGTTGACCATTGGCATCGTGTTCGGCATTTATTCTTCCGTATTGGT TGCCAGCCCGCTTCTGCTAATGTTCGGTTTGAGCCGCGACAATATCGGTAAAGAACCGAA GAAGAAAGAAGAAATCGTGGTTTGAAGCGCATATGCCGTCTGAACATTGCCGTCTCAAGC AGACAATGCTTCAGACGGCATTTTTAACGGTTACTTCCACGGTCTTAAAATATTGTGCAG AAATGCGGGAATTGTCTCATAATGCCACGTTGTCCTATCTTGGGCATAGGGAGTTTGCCG TTGTCTTCAGGCTTGGCAAACTTGTCTGAATCCCTATGGGGATTCTTATATTTTTGGAGT TTTCATTATGGCACTGACCGTAGAACAAAAAGCACAAATCGTTAAAGATTTCCAACGCAA AGAAGGCGACACCGGCTCTTCCGAAGTACAAGTCGCTCTGTTGACTTTCCGCATCAACGA CCTGACCCCCACTTCAAAGCCAACCCCAAAGACCACACAGCCGTCGCGGCCTGTTGAA **AATGGTCAGCCAACGCCGCCGCCTGCTGGCCTACTTGCGCCGTACCCAGCCCGATACGTA** TCGCGCGTTGATTACCCGCTTGGGTCTGCGTAAATAATTACGCTTTCCGACACCGCCCAG **AAAAATGGGCGGTGTTTTCTTTTCTGTTGCTTTCCGACAAGCTCAAATCCATATTTATAG** TGGATTAAATTTAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGCA AGGCAACGCAACGCTGTACTGGTTTAAATTTAATCCACTATATTGCCCGAAAACCGCATA **AACTAATATAAAAGTTCTTTGGAATCTTGTTCCATTTCATGCTGCCCGTGCGCTTT** ACAAGAGTTTCAGACGCATCAAACGTTTAACTCCCGCCAGCAATCAAACAGCTTTTTAT CACCCATTCGAAAATCCGTTTTGCCGGTACTCGTCTTTTTATTGGAGTATTGCCATTATG ACCGCAACCACTGCGTCTTCAGCCAAACCTTATCTCAAAATCCAAGGTTTGGTGAAAAAG TTTGGTGACAATTACGCTGTCGATAACATCGACTTGGACATTTATCAACACGAAATCTTC GCCCTTTTGGGCAGTTCCGGCAGCGGAAAATCTACACTGCTGCGTATGCTGGCGGGTATG GAAAGTCCCAATCAGGGAAAAATTATCCTTGATGGTCAGGATATTACCAAACTTGCACCC TATGATCGCCCCATCAATATGATGTTCCAAAGTTACGCGCTTTTTCCGCATATGACCGTA GAACAAAACATTGCCTTCGGTCTGAAACAGGACAAAATGCCTAAAGGCGAAATCGCCGCG CGCGTCGAAGAATGCTCCGCCTGGTTCAGATGACCAAATTTGCTAAACGCAAACCGCAC CAATTGTCCGGCGGTCAGCAGCAGCGCATTGCTTTGGCACGCAGTCTGGCAAAACGTCCG **AAAATTCTACTGCTGGATGAGCCCCTCGGTGCATTGGACAAAAAACTGCGCCAACAAACC** CAGCTTGAGTTGGTCAATACGCTGGAACAAGTCGGCGTAACCTGTATTATGGTTACGCAC GACCAAGAAGAGGCGATGACGATGGCGACCCGCATCGCCATTATGTCTGACGGTCAGTTG CAGCAAGTCGGCACACCCAGCGACGTGTACGACTATCCCAACAGCCGCTTCACTGCCGAG TTTATCGGCGAAACCAACATCTTTGACGGTGTGGTGATTGAAGATCATGCCGACTATGCC GTTATCGAATGCGAAGGTTTGGAAAACCACGTCCGCATCGATCACGGTTTGGGTGGTCCG AGCGAGCAGGACCTTTGGGTTAGTATTCGACCAGAGGATATTGATTTATATAAAGAAAAA CCCGAATATTTGGGCGACTACAACTGGGCGAAAGGCACGGTAAAAGAAATCGCCTATTTG GGCAGCTTCGCCATTTACCATATCAAGCTCGGCAACGGGCGCGTCGTCAAAAGCCAAGTC CCCGCCCTTACTGGTATGTGCGCAACATTACACCGCCGACTTGGGACGAAACCGTCTAT **ATCAGCTGGCCGGAAAACCAACCGACTCCGTTGTTCCGTTGATTTAAGGGGAATGCAATG** AACCTTAATAAACTGAAAAACAAACTGTTCCGCCGTCCGGGGCAGCGTGCGGTGATTGCC GTACCGTATATTTGGCTTTTGGTGCTGTTTCTGATTCCGTTCGCCATCGTGCTGAAAATC AGCTTTGCCGAACAAGAAATCGCCATCCCGCCGTTTACTCCTTTAACGACGATAGATGAG GATTTGGGTCGTCTGAATATTGCTGTCAGCTACCAAAATTATGCAGACATCTTCCAAAAT TATTGGTCTTCAATTAAGACTGCGCTGACTACGACGGTAATTTGTCTGTTGGTCGGTTAT CCGACCGCCTATGCGATTTCTCGTGCCAATCCTTCTGTCCGCAATGGTTTGCTGCTTGCC ATTATGCTGCCCTTTTGGACATCGTTCCTGTTGCGCGTCTATGCGTGGATGGGTCTGCTC GGGCATAACGGCATTGTAAACAACCTGTTGATTAAAATGGGTATTATCAGCGAGCCTTTG GATTTGTTCTACAATGCCTTTTCGCTCAATTTGGTGATGGTTTACGCCCTATCTGCCGTTT ATGATTCTGCCGCTATACACGCAACTGGTGAAACTCGACAACCGCCTGCTTGAAGCGGCT TCCGATTTGGGCGCGGGCCGGTCAAATCGTTCTTGACGATTACCCTGCCTTTGTCGAAA ACCGGCATTATTGCAGGCTCCATGCTGGTTTTCGTCCCTGCTGTCGGCGAGTTCGTCATT CCCGAGCTGGTCGGCGGTTCGGAAAACCTGATGATTGGTAAAGTCTTGTGGCAGGCGTTC TTCGATCAAAACAACTGGCCGCTGGCTTCCGCCGTCGCCGTGATGGTCGCGCTGCTG GTCGTGCCGATTGCCCTGTTTCAGCATTATGAAAACCGCGAATTGGAAGAAGGAGCCAAA TAATGCAGAAATCCAAATTATCTTGGTTCTTGAAACTGATGTTGGCACTGTCGCTGGCGT TTCTGTATATCCCGCTGGTTGTTTTGGTCATCTATTCGTTTAACGAATCCAAGCTGGTAA CCGTTTGGGGCGGCTTTTCGACCAAGTGGTACGGCGCATTGCTGGAAAACGACACCATCT TGGAAGCCGCTTGGCTGCCGCTGCGGATTGCCGTTGTCTTCGCTTGCCGCCGTCGTTT TGGGCACGCTGGCAGGCTATGCGATGGCGCGGATTAAACGTTTTCGCGGCAGTACCTTGT TGCTGCTGATTATTCAGGTACAGATATTTTTGCAGGGCAGCGAATGGTTACAACATCTCT

ACTTCGATCGTGGCTTTTTCACCATCTTCCTCGGACATACGACGCTGTGTATGGCGTACA TTACCGTTGTTATCCGTTCGCGTCTGGTTGAGCTTGACCAGTCGCTCGAAGAAGCCGCAA TGGATTTGGGCGCGCCCCCTGAAAATCTTTTTTGTCATCACTTTGCCTTTGATTGCCC CTGCCATCGCTTCAGGCTTTCTGCTCGGCATTACCCTGTCTTTGGATGATTTGGTGATTA CCTCATTCCTCTCCGGCCCCGGTTCATCCACATTGCCGCAGGTGATTTTCTCCAAAATCA **AGTTGGGTCTCGATCCTCAGATGAATGTCTTGGCGACCATCCTAATCGGCATCATCGGAA** AGGCTGACCGCATGACTGGGTCAGCCTGTTTTCTTCAACCGATTTTCTGTTTGGACGATA TGGCCCGACAGCCTGTATCATTCCGTCCGAAAATACACCTGATAAAGCAAACACAATGAT TCGCCCTGATTTTCAAGAATATCTGCCTTCTTATTATTTCAGTTCGGTTAATCCTCATAC TGTTTATCCGAAACTTCAATGCCGTCTGAAAACCGATACCTGTATCATCGGCGGCGGATT GGGTGGTTTGTGCACTGCATTGCCCTTGGCGGAGCAGGGACATGAAACGGTTGTGTTGGA AGCCGCGCGTATCGGTTTCGGCGCGTCGGGACGGAGTGGCGGGCAGGTTATCAGCGATTA CGCCTGCGGTATGGGGGAAATTGAAAAACAGGTCGGCTTGGAGCAGGCGCAATGGTTTTG GCAACAGTCTTTGCAGGCGGTCGAACTGGTGGACGAACGCGTCCGCAAACATGCCGTCGA TTGTGATTGGCAGCGCGGTTATGCCACGGTTGCCGTCCGCCAGCATTGGGAAGAGTT GCAGCAGTGGCATGAACACGCCCAACGGCATTACGGTGCGAGTCATTATCAACTTTGGGA TAAAGCCGAGTTGAAACAGCAGCTTGACAGCGATATGTACCAAGGGGCACAATTCGACCC CTTATCCGGACACCTGCATCCGCTCACTTACACTTTGGGCATCGCTCGTGCCGCTGCCGA AGCCGGTGCGCAGATTTTCGAGCAATCCCCGATGACGTGCATCGAACCGCATCAAAACGG TTGGCTGGTTTACACGCCCGAAGGCAGCGTCGAGTGCAAAAATGTGGTCTATGCTGTCAA TACTTATGCAGGTTTGAACCCGATATTCCGGCCTTTGGAACGCAAGGCGATTGCTGTCAG CACCTTTATTATTGCGACCGAACCCTTGGGGGCGCGCAAAAGGGCTTATCCGTAACAA TATGGCAGTATGCGACAACCGCCATATTTTGGATTATTACCGCCTCAGCGCGGACGGCAG ACTGCTTTTCGGCGGTAAGGATAACGAGTTTATCGACAATCCTGAGCGTATGACCGAGCT TGTCCGCCAAGATATGCTTAAAGTTTTTCCGCAGCTTGCCGATGTCAAAATCGAATATTC GTGGGGGGGGGGGGCGACATTACCGCCAACCTTGTCCCGCATTTCGGACGTTTAGCCCC GAATGTTTTTTATGCGCAAGGTTATTCCGGACACGGGATGGCGATAACAGGCATTGCAGG TCTGGCGGTTGCCGAAGCAATTTTAGGGGACGAATGCCGTCTGAAGCCGTTTGAGCGGTT GCGCCAGCCGAATATTATCCTGCAACCGTTTTTGCGCAAACTCGGTTCTTTCCTCGGCTC AAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAG CACCAAGTGAATCGGTTCCGTACTATCTGTACTGTCGGGCTTCGTCGCCTTGTCCTGA TTTTTGTTAATCCACTATATGTTTATCCATCGGCGGCAAACGTGAAAAATGCCGTCTGAA ACCCGATTTTCAGGCTTCAGACGCCATAGCCGCCCTTATTCCACGCGTTCGCCGTGGATA TTCAGATCCAAACCTTCGCGTTCGACATCCTTGCCGACGCGCAGGCCGCCGCAGATTTTC CCCACGACCTTCAAAATCGCCCAACTCATTAGCCCGCTGTATGCCGCCATAACGACCCCG TCTTTTACCTGTATCCACAACTGCTGCCAAACTGCCGCCATCCCCGCCGAAAATGCGGTTG TCGAAAAAGATGCCGGTCAATATTCCGCCCACCAGCCCGCCGAATCCGTGTATGCCGAAA GCGTCCAAAGAATCATCGTAACGCAATTTGTGTTTGACGACGGTGACGGACACAAAGCAC TGTCCCGCTATTTTTCGCAGGCAAGCCAGCCTGCCGCGCGAATACGGCCGACACCTGC GTTACCGCCATCGCCATACCCGCCGCCGCGTCTGCCGCAAGCGCCGATCCGGCGTTAAAG CCGAACCAGCCGAACCACACATTGCCGCGCCGATCAGTGTCATCGCCATATTGTGCGGA GGCATCGCCTCGCGCCCGTAGCCTATGCGCCTGCCCAAAACCAAGGCGGCGACGAGTCCC GCGATACCGGCATTGATGTGCACCACCGTACCGCCGGCATAATCCAATACGCCGCCCTTG CTCATAAAGCCGCCGCCCCACACCCAATGCGCGCCCGGCACATAAACCAATAAAACCAT ATGCCCGAAAACAGCATCATTGCCGAATATTTCATCCGTTCGGCAAACGCGCCGGTAATA ATGGCGGTCGAAATAATGGCAAACGTCATCTGAAAAAACATAAATACCGGTTCGGGAACA GTCGGCGCATTGGGCGACACGGTCAGCATCTGTGCGGTAGCGTCTATCTGCATCCCGCTT AAAAATACGCGCCCAAACCGCCGATAAAGGCATTTCCCGGCGTGAACGCTAAAGAATAG CCGACGGCGACCCAAAGGATGCCCACCAATGTCGCGATGGAAAAGCTGTGCATCATCGTC ATCAACAGTACCAAGGCAGCCGCAGTCATCACCCAGGCGGTATCGCCCGAATTGACGGCG GAATAAGGCTTCCACCAGTTTAAAGGTTCTGCCGATAGGGATGCCGGCAGCAAAGATGCC GCCCATATGTGTTTTTCATTTTGACTAAAGTTTCCTTAATGGTTGAGCCCGTCTTTCGG AAAGGCGGGGTCGGGGGCTTGTCCGGGAGGGACGCAAGCCCTGCCGGACCGGGGCGGCGCG GGGATTTTGCCGATGTGCCGCCAATCCCTTGTTTGAATATGGAAATATCGCATCCGATCC CTTGCACCCGTTGTCCGGCGGGGGGGTTTTATCCTTAGGCGGCGCATATGTGGGCGTATGG **ATTGTCAACAATTTACTGTAGGAAAATATACAGAGGTTTGGGCGATAAGGCAAAATATTG** TGGAAATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAA TAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTA AGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATAAAAATTTATGGGGCTGTCC TAGATAACTAGGATAAACTCGATTTTACTAATTGTTTTAAAATGGAAATTTGAACTTTTA TCTCGCTGTTGTTAAAACGTCGTTCGTACCCCTTTAAATACAGCTCAAAATGCGCTTTGG GAATGCCGTCAAACTTGCGTAAATGACGTTTTGCCCGGTTCCAAAAGTTCCCAATTCCAT TGATATGGTTTTGTCGTTCAGCAAAATAACTTTCATCTGCTTCTACTTCGCCGTCAAACA TTTCCAAATGCGGACTGTTTTGATAAATAAGTAATCGTAAACGATGAAAATAATAGGCTG **AGGTACTTTTATTAACGCCTACTAACTCTGCTGCTGTTCTTGCAGTTACACCTGCGACAA** ACAGTTCAATGAGTTTATTTTGTTTATACCGGCTTAGACGAATTTTTCTCATAGGGGCAA CTCTAACTTAATTTGAATTTCCCTAGTTATCTAGGACAGCCCCAAATTTATACAAAAATG AGTGCGGTTCGGCGCAACCTTGAATCAAGTTCCCGCATCGGTTTTCATTGCCGGTACGGA

TGCGTTCAAGCCGGCTTTGCAAAGGCCGCGCTTTCGGCAAGCGGACACGGACACTGCCGA TCTGAAACCCGATTTTCAGGCTTCAGACGGCATTTCGCATTAATGCGGGCGCGCGTTTA TTTGCCGCGCATCAGTTCAAAGAAATCGTCGTTGTTTTTAGAGGCTTTGATTTTCCCGAT TAAAAATTCGGCTGCCTCGATTTCGTCCATCGGGTGCAGGAACTTGCGTAAGAGCCACAT GTTGATGGCGGGGAAGAGGCGTTTTTCCGCCATACGGCGGTCAAGGTGCAATTCCATATT GCCGGTGCCTTTGAATTCTTCGTAAATCACATCGTCCATACGGCTGCCGGTTTCAACCAA TGCGGTGGCGATGATGGTCAGCGAACCGCCTTCTTCCACGTTGCGCGCCGCCGCAAGAA ACGTTTGGGACGATGCAGCGCGTTGGCATCGACACCGCCGGTCAGGATTTTGCCCGAGGT AGGCACGACGGTATTGTAGGCGCGGGCAAGGCGGGTAATCGAATCCAGCAGGATGACCAC GTCTTTTTTGTGTTCCACCATACGCTTGGCTTTTTCAAGCACCATTTCGGCAACTTGGAC CATTTCGGTTACTTCTTCGGGACGTTCGTCAATCAAGAGGACGATGAGTTCGACTTCGGG ATAGTTTGCGGTAACGGCGTGGGCAATGTTTTGCAGCATCACGGTTTTACCGCTTTTGGG CGGGGCAACCAAGAGGGCGCGCTGACCTTTGCCGATAGGGGAAATCAGGTCGATGGCACG CAGCGGGGTCAGGTTTTCAAACAGGATTTTATGGCGGCATACTTCCGGGTGGTCGCCGTT GATGGTATCAAGCCTGACCAGGGCAAAATAGCGTTCGTTGTCTTTTGGGACGCGCACGCT GATGTCGTCGGGGCCGGCAAGATAGGACGTGTCCGCGCTGCGGAGGAAGCCGAAGCCGTC GGGCAGGATTTCAAGCGTGCCGGAGCAGGTGAAACCCTCGCCTTTTTTCATCATCTGGCG GACGATGGCAAATACGAGGTCTTGTTTGCGGAATCGGTTGGCGTTTTCGATGCCGTGTTC TTCCGCCAATTCTAAGAGTTTGGAAATGTGCAGGGTTTGTAATTCGGAGACGTGCATAAT **AATGATGTATTTTGAAGAGGAAAAAGACAGGCAGATGCCGTCTGAAAGAAGAAGCTGACC** GTTGCCGGTTGCTCGGGGAAGGGGGAATTGTAGGCAGTCGGCGCGTGGGTGTCAAATATT ATCGCGGACGGGCATCGGCAGGAAATGCCGTCTGAGCGGAGCTGCTTGGAAAAAAATAC ATATAGCCAAGTTTCGATGACGGTATCCGGGTTCAGGGAAACGCTTTCAATGCCTTCCTC **AACCAGCCATTTGGCGAAGTCCGGATGGTCGGACGGCCTTGACCGCAGATGCCGACATA** TTTGTTCTGCTTGCGGCAGGCGGAGATGGCAAGGTGCAGCATCACTTTGACGGCAGGGTT GCGTTCGTCAAACGATTCGGATACCAAGCCGCTGTCGCGGTCGAGACCGAGGGTCAGTTG GGTCATGTCGTTCGAGCCGATGGAGAAGCCGTCGAAGTATTGCAGGAATTGTTCCGCCAA TACCGCGTTGCTCGGCAGCTCGCACATCATAATCAGGCGCAGGCCGTTTTTGCCGCGTTC CAAGCCGTTTTCTTTCAGGGCTTTGACAACGGCTTCGGCTTCGCCCAAAGTGCGGACGAA CGGAATCATGATTTCAACGTTGGTCAACCCCATTTCATCGCGGACGCGTTTCAAGGCTTT GCATTCCAAGGCGAAACAGTCTTTGAAGTTGTCGGCGACATAACGCGCGCACCACGGAA GCCCAACATCGGGTTTTCTTCATGCGGTTCGTATACGTTGCCGCCGACCAGGTTGGCGTA TTCGTTGGATTTGAAGTCGGACATACGGACGATGGTTTTACGCGGATAAACCGATGCGGC CAATGTCGCCACGCCTTCGGCGATTTTATCGACGTAGAAGTCGACAGGGGACGCGTAACC GGCTTTGGGGTGGATACCGATTTGGCGGTTGATGATAAATTCCATACGCGCCAAGCCGAT GCCTTCGCTGGGCAGGTTGGCGAAGCTGAATGCGAGTTCGGGATTGCCGACGTTCATCAT GACTTTTACAGGTGCTTTAGGCATATTGTCTAAGGCGACATCGGTAATCTGTACGTCCAA CAGACCGGCATAGATAAAGCCGGTATCGCCTTCGGCACAGGATACGGTAACTTCTTGACC GTTTTTCAGCAATTCGGTTGCATTGCCGCAGCCGACAACGGCAGGAATGCCCAATTCACG CGCGATGATGGCGGCGTGGCAGGTACGGCCGCCGCGGTTGGTAACGATGGCAGAAGCACG TTTCATCACGGGTTCCCAATCCGGATCGGTCATGTCGGTAACGAGTACGTCGCCGGCTTC GACGGAATCCATCTCGGAAGCATCTTTAATCAGGCGCACCTTGCCCTGACCGACTTTCTG ACCGATGGCGCGGCCTTCGCATAATACGGTTTTGTCGCCGTTGATGGCGAAGCGGCGCAG GTTGCGGTTGCCCTCTTCTTGGGATTTTACGGTTTCGGGACGGCTTGCAGGATGTAGAG TTTGCCGTCCAAGCCGTCGCGTCCCCATTCGATATCCATCGGGCGGCCGTAGTGTTTTTC GATGGTCAGTGCGTAATGCGCCAACTCAGTAATTTCTTCGTCGGTAATGGAGAAGCGGTT GCGGTCTTCCTCGGGGACATCGACGTTGGTTACGGATTTACCGGCTTCTGCTTTGTCGGT **AAAAATCATTTTGATGTTTTTGAACCCATGGTTTTACGCAGGATGGCGGGCTTGCCCGC** TTTGAGCGTGGGTTTGAACACATAAAATTCGTCCGGGTTGACCGCACCTTGTACGACGTT TTCGCCCAGACCGTAAGAGGAGGTAACAAAGACGACTTGATCGTAGCCGGATTCGGTGTC GAGGGTGAACATCACACCTGATGCGCCGCTGTCGGAACGCACCATGCGTTGAACGCCGGC GGAAAGGCGACGATGTCGTGTTCGAAGCCTTTGTGGACACGGTAAGAAATGGCACGGTC GTTATACAGGGAAGCGAATACATGGTGCATCGCTTCTTTAACGTTATCCAAGCCGTTGAT GTTCAAGAAGGTTTCCTGTTGTCCAGCGAATGATGCGTCCGGCAGGTCTTCGGCAGTTGC GGAAGAACGTACGGCAACGGAAATGTCCGCACCGCCGCCATCGGCAACCATTTTGTTCCA TGCCGCTTCGATTTCGGCATCGAGCTGTTCGGGGAAAGGCGTATCCAAAATCCATTGGCG GATTTCTTTGCCGACGCGTGCCAGTTCGGCAACGTCTTCGACATCCAATTTTGCCAGTGC GGCGGAAATGCGTTCGCTCAGACCGTTGTGTGCGAGGAATGCGCGGTAGGCTTCGGCCGT CAGCGAGGCGTTTTTACCGCCCACGCGTTCAACATCTGTCATACGCAGGTTTTCAAACCA GATTACGTAGTTGTCGGCCATTTGTGTGTCCAATCCAAAATATGTTAAAAAAGAAACAAA TCCGCGTGCTTATTTTAAGCGATTCGTTCCTCTGCTGTCATGTGTTTTATCCGTTTTAAA ATCATGATGCCGTCTGAAAAATTGCGGTTTCGGCGTGTGTAGCGGTTTGAAACTTACAGC CGGTATACTTCTTTTTTGGGTATTTTCTTTGTAAAACAGGTGGTTTGAATAGGTTAATG TTTTTTCTGTTTGATTTTTTTTTTTTTTAAAATTTTCTGCCAAAAAATACTTTATA CTGCGGGTGETTTCCTTGTGTCTGCTGCTGCTGTTATGATGGGATTTTAAACCTGTGTTT TAAGGATGGAAGATGAGCAGTCCGCGCCATGTGTTTTACATTTCCGACCGTACCGGTCTG

ACTGCTGAGAATATCGGCGAGGCGTTGCTGAACCAGTTTGGCAATCTGTCGTTCAAACGC CATACGCATCCGTTTGTCGATACGCCGGAAAAGGCGCGCGGCGGTGGTGGAGAAGGTCAAT CGGAGCCGGCAGGAAAACGGTCAGCGTCCGATTGCGTTTGTCAGTGTGGTTGATGACGAA ATCCGTCGGATTATCAAAGGGGCGGATGCTTTTCAGATTAATTTCTTTGAGACTTTTTTG GGACTGTTGGAGAAGGAACTCAATACCGAAGCCACGGCATCCGGGCAGGGGCATCACAGT ATCGGTAATACGAAGCGTTATGATGCGCGTATGGAAGCGGTCAATTTTTCTTTGAACCAC GACGACGGGGTCAGCGATAAGAACCTTCAGGAAGCGGATGTAATCTTGATGGGTGTATCG CGTTCGGGCAAAACGCCGACCTGCCTTTACCTCGCCCTGCAATACGGCATCCGTGCGGCA AACTATCCGCTGATTCCCGACGATTTGGAATCGGCCGATCTGCCGCGTATGGTCAAGCCT TATAGGGATAAGCTGTTCGGGTTGACCATCCAGCCGGAACGTTTGCAGGCCATCCGCCAA GAGCGCCGCCGAATTCAACTTATGCCAAAATCGATACATGCCGCAGCGAGGTGGCGGAC GCGCAGAGTATGTTCAGACGGCATGGGATTCCGTTTGCGAATACGACGGATAAGTCGGTT GAGGAATTGGCGGTACACATCCTTCAGGCGTGCAAGCTCAAACGCAGGTTTTGACGGGCT TTGATTCGGTTTGAAGGCGGAACTGCCGTCTGAAATCAGGTTTCAGACGGCAGTTTTATA GTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAG CCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCA ACGCCGTACTGGTTTTTGTTAATCCACTATATGTTTGTGGGGCGGATATTTTTCAGGGCT GTATTTTGTCCAGACATTCGAGCAGATCGAGTGGCGTGCGGATGTGGAAATCCGCCTGCC ATGAGCCGGTATCGTCTTCGGGAGCGATGTAGCCCCATTCGGCGAGGACGGTCGTCATAC GGTCGGCGTGGATTTGTCCGCACGCATACAGCATGGGTTTGACGCTGGGCTTGGGCTCGC CGCAGGTGTCGCCGCTGACGACGACGGCGGGTGGGATGATGAAGCCGAGTTTGGGGACGA GTTTGTCGGTGAAGCGCATGGGTTTGTTGGTGATGATGCCCCATTTGATGCCGCGTTTTC CGAGTTCGGCGATGAGTTCGTTTACGCCGTCGAAGAGGGTGGTGTCTTGGGCGTAGCGGC TGTCGTATTCGTCAAGGTATTCGGTGCGCCATCGGGCATAGTCGGGATGGTCGGGGGTGA CTAGGGCGGTGTCGGCGAGCGTGCCATCGAGGTCGAACAATACGGCTTGTATCATGTGTG TTCCTTTTTTATAAAGTGCGGGACGAAGGGTTTCAGACGGCATGTTTATTTTGTTTCAAA CCCTGCTCGAAATCTTCCAACATATCCAATTCAAAGCGGCTGAAGCCTGCTTTTTCGCGC GCTTCGATGTTCACATAGCCCCGGAAGATAAACATATCGTAACGGGCAATCAGGCTGCGG AACAGGGCGACAGGCTCCAAACCGCGTTCGCGGCAAAGGTGTTGATACCACCGGTTGCCG ATGGCGACGTGTCCCACTTCGTCGCGGTAAATGATGTCCAACACGCCGCAGGTTTCCGAA TCACCGCGCTGCGCCACCTTCGCGCGTATGCCGGGCGTAACGTCCAGCCCGCGCGCTTCC AAAACGCGCGCACTAAAGCCATACGCAACAAAGGATCGTAGGCGGTTTTGTATGCCATA TCCCATAAATGATTGTGTGCTTCAAAATCGCCGTAATCGAAGCCGAAAGCGCGCAGCCTT TCGCGCATCAGGCGGAAATGGTACACCTCTTCCTTCGCCACTTTCACCCAGTCGCGGACA AACTGAAACGGCAGCGTGCGGAAACGGTATGCCGCGTCCAAAGCCAGATTGATGGCGTTG AATTCGATATGCGCAATCGCGTGCAGCATCGCCGCATAGCCTTCGGTTGTTCATTTTG CGTGGCGTCAGCTGCGACGGCGCGACCAAAACAGGCTTGTCCGGTCGTCCCGCGCGGGGG AAGTCCGCCGGCGGTGCGTTTGTTTCCGCCCCGTCCGCATTTTGAACGGCGGCAAACGCC TCATCCGTCAGCCGTCCTTTTTCATCTGGGTCGCCCGAAAGCAGGGCGCGTTCCAGCAAA GCATAAATATCGGGTTTCATCTCAAGTCCGCCGTGTTCGGAAAACAAATATTATAGCGTT TAAAAAAAACAAGATGAGGCATATAATCTCCGCGATTCGGCATTCCGCGCCCAAACCGTC AAATATAGTGGATTAACAAAAACCAGTACGGTGTTGCCTCGCCTTAGCTCAAAGAGAACG ATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGCTCCGTACTATTTGTACTGTCTGCGG CTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAACGCGGCACACATTAAAGGGCA GCGTGGCGCCCCCTTTTCCGGTGGGCAAAAATCAGCCCTCGGAAAACGCGGTTTGCA AAATGCAAACCGCCCGTAACGCCGCCCGTATGATTGTTTTGCTGCGCCGATACTTTACGC CACACTCATCCCGACAAGGAAAAATAATGATGAAACCGCACAACCTGTTCCAATTCCTCG AGCAATTCAACAACGATGCCGACGGTATCAGCGGCAGCTTCACCCAAACCGTCCAAAGCA AAAAGAAAACCCAAACCGCGCACGGCACGTTCAAAATCCTGCGACCGGGCCTTTTCAAAT GGGAATACACCAAACCTTACAGGCAAACCATCGTCGGCGACGGTCAAACCGTTTGGCTCT ACGATGTTGATCTGGCACAAGTGACCAAGTCGTCCCAAGACCAGGCCATAGGCGGCAGCC CCGCCGCCATCCTGTCGAACAAAACCGCCCTCGAAAGCAGCTACACGCTGAAAGAGGACG GTTCGTCCAACGCCATCGATTATGTGCTGGCAACGCCCAAACGCCAACACGCCGGCTACC AATACATCCGCATCGGCTTCAAAGGCGGCAACCTCGCCGCCATGCAGCTTAAAGACAGCT TCGGCAACCAAACCTCCATCAGTTTCGGCGGTTTGAATACCAATCCCCAACTCTCGCGCG GCGCGTTCAAGTTTACCCCGCCCAAAGGCGTGGACGTGTTGAGCAACTGATGCCGTCCGC CCCGATGCCGTCTGAAAGCCGCCGAGGCTTCAGACGCCATTTTTACGCAGGCGGAACAAT GTCCCGCATTACCGCCCGATCGGGCACCGGAACGGCAAACCGGTGAAAATTAACGGTTGC GCCCCGGCTGTTTTTGCCGTTTAATGCAAACCTTGCTGCACCAAGGGCCAAGAAAGCCGA TTTGAACGAAAGGTCGAAAACCATGAAAAAAACACTGGTGGCGGCGGCAATCCTGAGCCT CGCCTTGACTGCGTGCGGCGGGAAGCGATACCGCCGCCCAAACCCCCTCCGCCAAGCC CGAAGCCGAACAATCGGGCAAACTCAACATCTACAACTGGTCGGATTATGTCGATCCCGA AACCGTTGCCGCCTTTGAAAAAGAAACCGGCATCAAGACGCGTTCCGATTATTACGACAG CAACGAAACACTGGAGGCAAAAGTCCTGACCGGCAAATCCGGCTACGACCTGACCGCGCC GTCCATCGCCAACGTCGGCCGGCAAATCAAAGCGGGCGCGTATCAGAAAATCGACAAGGC GCAAATCCCCCATTACGGCAACATCGATAAAGATTTGCTGAAAATGATGGAAGCCGTCGA CCAGCAGGTGAAAAAAGCATTGGGTACGGACAAGCTGCCCGAAAACGAATGGGATTTGGT GTTCAAACCCGAATACACCGCCAAACTCAAATCCTGCGGCATCAGCTATTTCGACAGCGC AATCGAACAGATTCCCTTGGCGTTGCACTATTTGGGCAAAGACCCCAACAGTGAGAATCC

CGAAGACATCAAAGCCGCCGTCGATATGATGAAAGCCGTCCGGGGGGGACGTGAAACGCTT CAGCTCTTCCGGCTATATCGACGATATGGCGGCGGCCAACCTGTGTGCCGCCATCGGTTA CGGCGGCGATTTGAACATTGCCAAAACCCGTGCCGAAGAAGCCGCAAACGGCGTGGAAAT CGACGCGCAAAACGTTGCCCAATGCCCACCGCTATATCGACTACACGCTCCGGCCCGAGGT CATGGATGAAAAATACACCTCCGACGCATCGATTTTCCCGAACAAAGAACTGATGGAAAA AAGTTTCATCGTATCGCCCAAATCCGCAGAATCCGTCAAACTGGGCGTGAAGCTGTGGCA AGGGCTCAAAGCGGGCAAATAACCGGAATCCCTGCCGTCTGAAACCTTTCGGGCGGCAGG AAACGGCGCGTCCGTTATCAAACAGGGGGGCGTTTCCCCTCCTGCCGGTTATGATTGGGT TAAGATTAAAATGATTTAGTAAAATGAGAAAGATATGGATTTAAGTATCGTAGTTCCTAT TTATAATGTCGAAAGTTATTTGGAAGCGTGTTTAAGTTCCATAGAATCTATATTAAGTAA TGAAAATGTCGAACTTATCCTTGTGAATGACGGGTCAAAAGACGGAAGTGAAGATATATG ACAACAAACAACAAACAACAAACAACAAACAACAAACAACAAACAACAAACAACAAACAA CARACARCARCARCARCARCARCARCARCACACACCGGACACCARATATCARATATATAT ATCAGGATAACCAAGGGTTGTCGGAGGCGAGAAATACCGGAATAAAAAATTCAAACGGAA **AATATATAGTCTTTATTGATTCGGATGATTTTATTAACTGTCAGATTTTGCTGGATTTTC** TTAGTAAAGATGATACTGATATGCCGGATGTGGTGTTTTTTAAATGCGGTTAAATATGATA AAGTCGAAGTTTTGAAAGGATTATGCCGATTTAGAAAATTTCCGGGTTCGGCGTGGAATA AGATTATAAAAAGAGAATTGATTATTAGAGAAAAACTGTTTTTTGAAAGGGGAATTTATT CTGAAGATATCGAATGGTCAATGAGGTTATTTAATGCGGCAACAACTTTTTCTTATTTGG ACGGTTGTTATTACTATTATCGGCAGGGAAGAAAAGATTCTATTACGGGAACTGTTTCGG AAAAAGTATAAAGTCATTATTATATTTTTGGAGAAAAATGCGGAAATGGAATTTAATA GGGATATATCGAGTTATCTTTATTCTTTTCTTTCCTACGAATATCTCGTTTTGCTTTTTA TAATGACGAGTAAAAATATAGAGTGTGATGCTGATATAAAAAGAAGGGCGTATCATTTAA GGTTTATGCTGTTAAAGTCCAATAAATTGATATATAAGCTGATATTCCCGATAATCACAT TACTCGGGGTCGATATTACAGGCAGGATTTTAAAAGCAATCAGGGGGAATATTTAATAAA TCCTTTAACAATATATACCTTACCGAAGGAGGAAAAATGAACGCAATCCGAACTTTCCAA AACCGCACGCCCGAAATCCACGAAACCTGTATGATAGACGAAGCCTGCGTCGTCATTGGC GAAGTGTCGCTTGCCGAAGATGTTTCCGTGTGGCCGTGCGCCGTGTTGCGCGGCGATGTG AACAGCATCACCGTCGGCGCGCGCAGCAATATACAGGACGGCAGCGTCTTGCACGTTTCC CACAAAACCGCCGCCAAACCCGAAGGATCGCCGCTGGTTATCGGCGAAGACGTTACCGTG GGGCACAAAGTGATGCTGCACGGCTGCCGTATCGGCAACCGCGTCCTGGTCGGCATGGGG ACGACGGTTCTGGACGATGCCGTGATTGAGGACGAAGTGATGATCGGCGCGGGCAGCCTC GTTCCGCCGCGCAAACGCTTGGCGGGCGGCTATCTTTATGTCGGTTCGCCGGTCAGACAG GTGCGCGTGCTGACCGATGAGGAAAAAGCCTTTTTGAAATATTCCGCCGCGCATTATGTG AAGCTGTCGAAACAGTACGGGATGTGAAATCACATCGGCGTTCTTGCGTCAGCCCCAAAT TCATGCGGATGGGACGCATCCGATAACGGTATCCGATGCGCCTTGATTTTGACCGTCTGC GTTTGAATTGCAGGCAAAAATGCCGTCTGAAAGCCTTTTTTCGGGTTCAGACGGCATTTT ATTGCCGATTGTTTTTTAAAGTTTGACCGAATGTTCGCGCGTTTCGTGGAACACGATGTC CGGCCAGCGTTCTTGCGTCAGCCCTAAATTCATGAGGACGGGATGCCCGATAACGGTATC CGATGCGTCTTGATTTGATCGGTGCATTTGAGTTGCAGGCAAAAATGCCGTCTGAAAGC CTTTTTTCGGGTTCAGACGGCATTTTATCGCCGATTGCTTTTTACAGTTTGACCGAATGT TCGCGTGTTTCGTGGAACACGATGTCCGGCCAACGTTCTTGCGTGAGTCCCAAATTCACG CGGTTGGGGGCGAGGTAGGCGAGGTTGCCGCCTGCGTCGATGGCGAGGTTGCCCGCGTTG GCTTTTTCAAATTCAGCCAGTTTTTTCTTGTCGTCGCACGATACCCAGCGCGCCGACCAG ATGGATGCGCTGTCGAACACGGCTTCTACGCCGTATTCGTTGGCGAGGCGCGAGGTAACG ACTTCAAACTGCAACACGCCGACCGCGCCCAAAATCAAATCCGCGCCGCTCATCGGTTTG AACACCTGCACCGCGCCTTCTTCGCCGAGCTGTTGCAAGCCTTTTTGCAGTTGTTTGATT TTCAGCGGGTTTTTGATGCGTACGCTGCGGAACAGTTCGGGTGCGAAGAATGGGATGCCG GTGAACGCCAGTTGTTCGCCTTCGGAGAAGCTGTCGCCGATTTGGATGTTGCCGTGGTTC GGGATGCCGATAATGTCGCCGGCGTAGGCTTCTTCAACCAGCTCGCGGTCGTGCGACATG AAGGTAACCACGCTGGAGGCGGCGATTTCGCGGTTGATACGCAGGTGTTTCATCTTCATG CCGCGCTCGAATTTGCCGGAGCAGACGCGCAAGAAGGCAATACGGTCGCGGTGTTTCGGG TCCATATTGGCTTGGATTTTGAAGATAAATCCGGAAAACTTCGGCTCGTCCGGCTCGACC ATTTCCTGAATACCGAAGTTGTTAATCGCAGAGCCGAAGAATACGGGCGTGAGTTCGCCG GCGAGGAATTCGTCGAGATTAAACTCGTTGGAAGCCGCCTGCACCAATTCGATTTCGTCG CGCAACTGCTGGATTTCCAACGGAAAGCGTTGTTCCAATTCAGGATTATCGATGCCTTTG ATGATGTCGAACTCGTGCGGCAGGCGTTCGCCGCCAGCTTCAAAGAGATAAATTTCATCG TTCAGGATGTGGTACACGCCCTTGAAGTTTTTGCCCATACCGATCGGCCAGGTAACGGGC GCGCAGCGGATTTTTAAAATGTTTTCCACTTCGTCCAAAAGTTCCAGGGAATCGCGCACT TCGCGGTCGTATTTGTTCATAAACGTAACAATCGGTGTATCGCGCAGGCGGCAGACGTTT AAGAGCTTGATGGTTTGCGCTTCCACGCCTTTTTGCCGCGTCGATGACCATTAATGCGCTG TCCACGGCGGTTAAAACGCGGTAGGTGTCTTCGGAGAAGTCTTGGTGTCCCGGCGTGTCC AAGAGGTTGACGGTGTGGTCTTTGTAATCGAACTGCATCACACTTGATGCCACGGAAATG CCGCGCTGCTTCTCGATTTCCATCCAGTCGGAAGTGGCGAATTTGCCGGTTTTCTTGCCT TTTACCGTACCCGCGCTCTGAATCGCGCCCGAAAACAGCAAGAGTTTTTCAGTCAACGTG GTTTTACCTGCGTCAGGGTGGGAGATGATGGCAAACGTGCGGCGGCGGCGCACTTGGTCG AGGATTTCTTGGGACATGGTTTTCTTTGCAAAAAGGTTCAGGCCGCTTTTCAGACGGCCC GGACAGTGTTTGAGACGGCGAAATTGTACAAAAAAATGCCTGATAATTCAATGTTGGAGG CGGTCAGTGCGTGCCGTAAATCTCTTTTTCGTCTTTTCAGGACGGCATCGGCGGTTTC CCACGCGCTGCCACGCCAGACTTTGTAAAAGCAGCTTTCTCGCCCGGTGTGGCAGGCGAT GCCGCCGTTTTGGGCGATGAGCATCACAATGGCGTCGCCGTCGCAGTCGAGGCGCAGTGC GCGGACTTTTTGCGTGTGTCCCGACTCTTCGCCCTTCATCCATTGTTTTTTGGCGCGAACG GCTGTAATAGTGGGCAAAGCCGGTTTCGACGGTTTTTTGCAGGGCTTCGGCGTTCATCCA CGCCACCATTAAAATACGTTTGGTTTCGGCATCTTGGGCGATGGCGCAAACCAAACCTTT TTCGTCAAATTTGACGGCTTCAAGCAGGTTTTTATCCATATTTCCTTTCAGACGGCATAG TCGAGGCGGTCAGAGGCGCACTTCGATGCCGGCTTCGCGCATAGCGCGTTTGGCTTCGCG GATGGCGATTTCCCCGAAATGGAAAATGCCGGCGGCAAGTACGGCATCGGCTTTGCCTTC GGTTATGCCTTCAATCAGGTGCCGGACATTGCCGACCCCGCCGGAGGCGATGACGGGGAT GTCGACGGCTTCGGCAACGGCGCGGGTCAGCGGCAGGTTGAAACCCTGTTTCGTACCGTC TTCCACCGCATCCAAACCGGTCGGATTTCGCCCGCCGTGGGTAAAGATTTCCCAGCGTGT GTTTTCGGGGTTGGCGGCTTTGGCATCGACGGCGGCGACGATGGCTTGCGAACCGAAAAA TCCGGCGGCTTCGTCAATTAAATCGGGACGGGTAACGGCGGCGGTGTTGATGCTGACTTT GTCCGCCGCCATTGAGCAGGCGGCGGATGTCGGCAACGGTGCGTACGCCGCCGAC GGTCAGGGGGATGAAGACTTGTCCGGCAACCTCTTCGATGATGTGCAGGATGGTGTCGCG GTTGTCGGATGAGGCGGTGATGTCGAGGAAGGTCAATTCGTCCGCGCCTTCGCCGTTGTA GCGTTTGGCGGCTTCGACGGGGTCGCCCGCGTCGCGCAAACCGATGAAGTTCACGCCTTT GACGACGCCCCGTCTTTTACGTCGAGACAGGGGATGATGCGTTTTGCCAGTGCCATAAT CGGATGCCTTTAGTCGAGGGAATCTGCCAGTTGCTGCGCTTGGGCAAAATCGATGCTACC CTCGTAAATCGCGCGGCCGGTAATCGCGCCTGCTACGCCATGTTTTTCGGCGGCACACAG GGCGCGGATGTCGTCCAAGCCGGTCAGTCCGCCGGAGGAGATGACGGGAATGCGGACGGT TTGGGCGAGTTTGACCGTCGCGCCGATGTTCACGCCGCTCATCATACCGTCGCGCCCGAT GTCGGTGTAGATGATGCTGTTGACGCCGTCGTCTTCAAAGCGTTTTGCCAAATCAATTAC ATGATGCCCGGTTACGGTTGCCCAGCCGTCGATGGCGGCCATACCGTCTTTGGCATCCAG CCCGACAATAATCCTGCCGGGGAAGGCTTTGCACGCCTCGCGCACGAAGTCGGGGTTTTT GACCGCCGCCGTGCCGATAATCACGTCGTTTAAGCCCAAATCCAAATATTGTCCGATGGT TTTCAAATCGCGTATGCCGCCGCCGAGCTGTACGGGGATGTCTTTGGCGACAGCGGCAAG GATGTCTTTGATGGCGGGCAGGTTTTGCGGAACGCCGGCAAACGCGCCGTTCAAATCTAC GGAAAAGACGGTCGCCTCTTCCATCAGCCCTTGTTTCAGGCGGACGCAGCGTCCTTCTTT CAAATCGATGGCGGGTATCAGCAGCATAATTTTCTCCTTGTGCGGGGCCGTGTCCGGCT TACCAGTTTAAAAAGTTTTTCAACATCGTCAGCCCGGCATCGTGGCTTTTTTCGGTGTGA AATTGCGTGGCGAATACGTTGTCTTTGCCGACGATGCAGGCAAACGGGGACGGGTAGTCG CTTTCGCCCAATATGGTTTCGGGGATTTTCGGGGGGGGAAATAGTAGCTGTGGACGAAGTAA AAACGCGTGTCTTGGGGAATATCTTTAAACAGCGGGTGGTTTTGGGTTTGGCGCACGGTG TTCCAGCCCATATGCGGGACTTTCAGACGCATCCCTGCGGGTCGCGGAGGTCGCGCTCA AAGCGTCTGACTTTGCCGCCGAACCAGCCCAAGCCGTCGGTGTTTCCTTCTTCACTGTGG TTGACTGCCTCGTCCAAACCGTCTCGTTTTAATGCCGCCATACAGTCGGGCATCGCGCCC TGACCGGGAAAAATGACTTTGTCGGCGCGGGACACGCGGTCGGGGTCGCCGCTTAAAAAG AGGTTGCCCATACCGTAATCGATAATGGCGGTTTGCATGGCTTCCTCCTCTTTTTTTGCA ATATGGCTGCGATTTTAACAAACAAATGTGCCGTGCTGATAAAAATGCCGTCTGAAAACG GGAGTCTGTCTTCAGACGGCATAGGGTTTAAACCCGGAAAGCCGTTTGTCAGCCTTCCAT TTGTTTTGCCTGAACGGCAGTCAGGGCGATGGTAAACACGATATCTTCTACCAGTGCGCC GCGGGAGAGGTCGTTGACCGGTTTACGCAGGCCTTGCAGCAGCGGGCCGACGCTTAAGAC GTTGGCGTTGCGTTGGACGGCTTTATAGGTGCAGTTGCCGGTGTTCAGGTCGGGGAAGAC CAAAACGGTTGCCTGTCCTGCCACCGGGCTGCCCGGAGCTTTGGATTTGCCCACACCCGG CACGGTTGCCGCATCATATTGCAGCGGGCCGTCGATGGCGAGGTCGGGGCGTTTTTCCCG GGCAAGTTTGGTTGCTTCGATGACGGTATCGACATCGGGGCCGCTGCCGGAGTTGACGGT GGAGTAGGAAATCATCGCCACTTTCGGGTCGATGCCGAAGGCTTTTGCGGAATCGGCAGA CTGGATGGCGATGTCGGCAAGCTGTTGCGCGGTCGGGTTCGGATTAACCGCGCAGTCGCC GAAGACGAGGACTTGGTTGGGCAGCAGCATAAAGAATACGCTGGACACGAGGCTTGCGCC CGGTGCGGTTTTAATCAGTTGCAAAGCGGGGGGGGGTGTTTGGCGGTGTGTGAACCGC ACCGGATACCAAACCGTCCACATCATTTTGCGCCATCATCATCGTACCGAGTACCACGGT GTCTTGCAGTTGCTTGCGCGCGTCTTCGGGTGTCAGGCCTTTGGATTTGCGCAGTTCGCA CATCGGCTCGACGTATTGTTCGACCAATGAGGCGGGATCGATGATTTCCAAAGAGTCGGG CAGGCTGATGCCGCGTTCTTTGGCAACGGCTTCGACTTCTTCGCGTTTGGCAAGCAGGAC GCAGCGGCCAATGCCTTTTTCGTGGCAGATGGCGGCGGCTTGGACGGTGCGGGGTTCTGC GCCCTCAGGCAGGACGATGCGTTTGTCGGCTTGGCGGCGAAGTCGATCAGGTTGTAGCG GAATTGCGCCGGCGACAGGCGTTTTGCTTCGCGGCCTGCCAATACGGATACGTCTTTCAG CGCGTCGCTCGAACCGAAGAAGGTCAGGCCGGTTTTTTCGGCTGCCGCTTCGGCAACGGA GGCTGCCGCCGTCCACGACAAAACCTTCCAATACGCCCGGCGCGGCGCGAAGAACTG GAAGACGGCTGCCGCGTCAAGGGACAATGCCAGTTCGACGTTTTTGCCTGCGAGGTAGAT TTTGTCGGCATCGGGCGATGCCTTCGATGACGAGGTTGGCGGCATCGAGTGCGGCAAC TTTGCCGACCAGTGGTCGAACCAGTCGTCGCTTTTGCCTTGCGCGAGCAGGGTTTCGGC GGTTGCGTCAACGGCTTGGAAAATTTGTGCGTCCAGTGCTTTTGCAAAGGCTTGTGCGGC GGCGGAGGCGTCCAGTCCGGCAGATACGGGTACGATGAGTACTTTTGCCATGATATATCC TTTCGTATGCTGCGGTGTGCGGCATATGTGGTTGGAAGGGGCGGCATATAGGCAGAAACG GCTGCCTGCGTGCGTGCCGTGTTTGGCTTGAGGCGCGCAGGTTGAATATAGCAAA CAAATTCTGTTTCCAACAAGATAAATATCCGCAGGCTTGTGGATGCTGCCGCCTTTCAGA GGGTATTTCCGGGGAAGAACAGGGCGGGGACCGTCCAAATGGAGGACGGCGGAAATGCCGT

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CGAAGGTAGCGGTAAATGGTGCTGTGGTGGAGCGTGATCTGGTGGTGTTTGCACAGGTAG GCGCATACTTGTTCGGGACTGAGTTTGCGGCGGATAAGGGGGTCGATGTGCTGAATCAGC TGCGAATCGAGCTTATAGGGTTGTCGCTTACGCTGTTTGATAGTCCGGCTTTGCCGCTGG GCTTTTTCGGCGCTGTATTGCTGCCCTTGGGTGCCGTCTGATTTCGCGGCTGATG GTGCTTTTGTGGCGGTTCAGCTGTTTGGCGATTTCGGTGACGGTGCAGTGGCGGGACAGG GCAGGAAAGGCCGTATGCTACCGCATACTGGCCTTTTTCTGTTAGGGAAAGTTGCACTTC AAATGCGAATCCGCCACCGTCTGAACAGGGTTGCTGGAATAGTATTGCCATCCCAGCAGA TACAGTTTGTCGGGGTCTTGCCAATATTGTTCATCCAGACTGTTCAGCAGTGAGGCGGTT TTGTTGTCGAGATGTTATATCCCACATTTCTTTCAGGTTTTTACCTTCCGATTGGAGGCG GCGGATTTCTTTGTCCAATGCGTCTGCCGCCCGATGGATCAGCATTGCGCTGTGTACCGC GCCGATTTTTTCAGAACGGAACAAGTCTTTTCGGCGGGGGAAACCCCAGTTGCAGAC AAATTGCAGTATGCTGCCGTTACCGATATCGGCTTCTGTCCGCCAAATCAAAACCAGCTC CTGTTCCCGCCCGTCCATGCTTTCGAGTTTGCCGTCATGCTGTTCAAAAAGTTTGTCCAC CGCCTGCCACATCATCTGTTCGAAGCGGTCGGCTTGGGTATCCGTATCGGTCATCGTGTT CTTGCCTTTTAAAAATGCCGTCTGAACATTTCTTCAGACGGCATTTGGGGGTTAAGCCAA CATTTCCCGCCAGCGTTCACTTGGAAGCGGACTTGTTCCGGCGCGGTACCGCCCAAGTG GTTGCGGGCGTTTAAGCTGCCTTCGGGTGTCAGCACGCCGTAAACGTCGTCGGCAATCAA ATCGCTGAAACCTTGTAAGACTTCGAGCGGCAGTTCGCTCAAATCGACGCCCGCTTGGTC GGCGTGGCGCACGGCTTGGGCGACGACTTCGTGGGCATCGCGGAAAGGCATGCCTTTTTT GACCAGATAATCCGCCAAGTCGGTGGCGGTAGCGAAGCCCTGCATCACGGCGGCGCGCAT ATTGTCGGGTTTGACGGTTACGCCGCGCATCATATCGGCGTAAATCCGCAACGTGTCGAT AAGCGTGTCGGCGGTGTCGAACAAGGGTTCTTTGTCTTCCTGATTGTCTTTGTTGTACGC CAAGGGTTGGGATTTCATCAGGGTAATCAGACCGATAAGGTGTCCGATGACGCGGCCGGA TTTGCCGCGCACGAGTTCGGGCACGTCGGGGTTTTTCTTCTGCGGCATGATGGACGAACC TGTGCAGAAACGGTCGGCGATGTCGATAAAGCCGAAACGCGGGCTCATCCACAAAATCAA TTCTTCAGACAGGCGGCTCAGGTGAACCATAACCAGCGAGGCGGCGGCTGTGAACTCAAT GGCGAAATCGCGGTCGGATACGGCATCGAGCGAGTTCTGGCAGATTTGTTCAAAGCCCAA TAGCTCGGCGGTGATTTCGCGCTGAATCGGGTAGGTCGTCCCGGCAAGGGCGGCTGCGCC CATTTCGACGTAGGCGAGCATATGGTGTCCGAAGCTGACGGGCTGGGCGACTTGCAGGTG GGTAAAGCCTGGCATGACGGTTTCGGCGTTTTGTTCCGCCAAATCCAGCAATGCCGTCTG AAGGCTTTGAATCAGGCTTTGTATAACGGTAATCTGGTCGCGCAGCCACAGGCGGATGTC GGTGGCGACTTGGTCGTTGCGGCTGCGGCCGGTGTGCAGGCGTTTGCCCGCGTCGCCGAT TTTGTCGGTCAGGCGGCGTTCGATGTTCATATGGACATCTTCCAAATCGGACGACCATTC GATTTTGCCGCTGCGGATTTCTTCGAGGATTTCCGCCATACCCCGGCGGATGTCCGCCAA ATCGCCTTCGTCCAACACGCCGGTTTCTTTCAGCATTTGCGCGTGTGCCAGCGAGCCTTG GATGTCCCATTCGGCAAGCCGTCGGTCGAAACCGATGGAGGCGGTGTATTGTTTGACGAG TTCGGAAACGGGTTCGTTGAAACGTCCGGACCAGGTTTTGTCGTGCATAAGGATTCCTTG ATGGGGTTATTCGGTGCGGTATTTTTCCAAAAGCCGGCGGAAGGGTTCGCCGGTTTCGGG ATGTTTCAGACCGTAGGCGACGGTGGCTTCGAGGTAGCCCAGTTTGCTGCCGCAGTCGTA GCGCGTACCTTCAAAGGGGTGCGCCAGGACAAATTCGTGATCGAGCAGCTTGGCGATGCC GTCTGTAAGCTGGATTTCGTTGCCCGCGCGCGCGGAAGATTGGTTAAGAGGTCGAAAAT GCGCGGGGTGAGGATGTAGCGTCCAACAACGGCAAGGTTGGAGGGCGCGTCTTCGGGCTT GGGTTTTTCGACAATGCCGGTAATGCGTTGGAACTGTTTGAGCTGTTCGGTTTCGACGAT GCCGTATGAGCCGGTTTGCGATGCTTCAACGGTTTCTACGCCCAAAATGCTGTTGCCGCT GGCAAGGATAACGGCAAAGGGTTCGTCTCCGATGGCGGCGCGGGGCGCACAAGACGGCGTG TCCCAAGCCCAGTGCTTCCGCCTGACGGATGTAGAGGCAGGTAATGTTCGGCGGCAGGAT GTTGCGGACGTGTTCCAACAATTTGTCTTTATGGCGCATTTCCAACTCGGTTTCGAGTTC **GTATGCCTTGTCGAAATGGTCTTCGATGCTGCGTTTGTTGCGTCCGGTAACAACACCAT** TTCCGTGCAGCCGGCTTCCACGGCTTCTTCTACGGCGTATTGGATCAGCGGCTTGTCGAC GATGGGCAGCATTTCTTTCGGGCTGGCCTTGGTGGCGGGCAGGAAGCGGGTTCCCATCCC TGCGACGGGGAAAACGGCTTTCCGTATGGGTTTCATTCTTTTTCCTTTGTATTGTTTTGA TGTTTAAAGGGCGAGTTTGCGTAAGAGTTCGGCAAGTGCCTGCGCGCGGTGGCTTTCGCG GTTTTTGACCTCCGTATCCAATTCGGCGGCGGTTTTGCCGTGTTCGGGCAGATAAAAATA CGGGTCGTAACCGAAACCGTTTTGCCCGAGCGGCGTGTCGTTCCACTGCCCGTGCCATAC GCCCTCGGCGATAATCGGGCGCGGGTCGTCTTTATGGCGGACAAAAACCAATACGCAGAC ATAGCAGCAGCTTTTGTCTGCCTTGCCGACAAGTTCGGCGGCAAGTTTCAGGTTGTTGGC GGTATCGGATTTGGGATTGTCGCCCGCGTAACGTGCGGAATGGATGCCCGGCGCGCCGTT TAAGGCGGCGCACAGATGCCGCTGTCGTCGGCGAGTGCGGCCAGCCCGCTGTATTTGGC GGCATGGCGTGCTTTTGCCAGCGCGTTTTCGACAAAGGTGGGATAGGGTTCGGGGCATTC GGGTATGCCGAATGCGGATTGCGGCAATACGGTGATGCTGTAAGGTTTGAATAAGTTGCC GAACTCTTCGAGCTTGCCGCATTGCCGCTTGCCAAAACGATTTTTTCCGGTTTTTCAGA CATAGCGGTTTTCCTTTGTGGCGGATTGGGCGCGCGTAGGGATTTGTGCCGCAGGTAGA CGAAGGCTTTGCTGCCGACGGTCAGCAGATAAGCACCCAAGAGGACGAGCAGCATAAATG ${\tt CCAGTGTGAAGAGGGCAACAGACAGATAGATTTTTCGGCGGTTCATGGCGTTCGGTC}$ GGAAACGGTATGTTCGGATTATAGCCGATTGGGACGGTATTCCCTAGAGCTTGGAAAAAT GATGGATTCTTTGATGACTTTTTTCGCTTCTTCCGCATCGCCCCACGATTCGACTTTGGT CTGTTGCGGCAAATCGGACAAAGTTTTGTAGGCGTTGCCGTTGTTGCGGTCGTCGGCAGG AACGCAGACGATTTTGTCGTCCACTTCGCCGTCGTCAACGAATTTCATCACGCCGATAAC GCGCGCTTCCAAGAATACGCCGGTTGCCAAAGGTTGTTCGGTAACGAGCAGCACGTCCAA

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TTCGTCGCCGTCTTCGTCCAAAGTTTGGGGAATGAAGCCGTAGTTGGTCGGTTTGGCGAA GATGGCGGGTTCGACGCGGTCGAGTTGGAATGCGGCCAGTTTGCGGTTCCATTCGATTTT GTGGTTGCTGCCGGCGGGGATTTCGTTGACAACGTTGATGATGCCGCCGTCCACGTCGCC TTTGAAAGTATAGCACAAACGTCCGGCTGAAAATGCGCCCGATGCCTCTGAAAGGGTGTA CGGGCGCGTGTTACCGTTTGCCCAAAAACCTGCCCAGTTCCAAAATCGCGCGCCTGTTGG GGTTTTCAAACACGCCTTTTGGATAGCGGTGCCGCCAGTGGTGGTAGATTTCGTAAACCG TGCTGTCGTGCCAGTCTTGAAGCTGCCCGTCCGCCAGCAGGATGCCGGTTTCTTCCCAAA CTTCGCGCCTTGCCGTTTGGGCGACGGTTTCGCCCGGTTCGAGGCTGCCGGTTACCGACT GCCAAAATCCTTCCGGATGCGTGCGTTCGATGAGCAGGATGCCGCCGTCCCCGCTATAAA GGACGACCAGTGCGGAAACGGGGTATTTGAGCGGTTTTGCCATCGGCATCTTTCGGCGGG CTGCGGTAATGAAGGGGGGGATTATAGCAAACGCCGCACGTTATGGCGTTTATCCTTTTC CGTATCCTTTTTCTGCACGGATGGGACGCGCCGGTGTTTGCCGGTAAATTTTCCGTTGT GTCAAAAAGATAAGGGCGGTTGTGATTTTAATGCTTGCCAAAGCGTCGGGCGGAAACTAT **ANTCCGAAACTTATCGAGTCGGAGTGTGGCGCAGTCTGGTAGCGCACTTGCATGGGGTGC AAGGGGTCGAAGGTTCGAATCCTTTCACTCCGACCAAAAATTCCGAAAGCCGCTTTCAAA** TGCCGTCTGAAAACCGTTCAGATGGCATCTCTTTATCTTAGTTTCATTCCGTACCATCTT AAGGAACATCAAATTGGGCATTTCCCGCAAAATATCCCTTATTCTGTCCATACTGGCAGT GTGCCTGCCGATGCATGCACACGCCTCAGATTTGGCAAACGATTCTTTTATCCGGCAGGT TCTCGACCGTCAGCATTTCGAACCCGACGGGAAATACCACCTATTCGGCAGCAGGGGGGA ACTTGCCGAGCGCAGCGGCCATATCGGATTGGGAAAAATACAAAGCCATCAGTTGGGCAA CCTGATGATTCAACAGGCGGCCATTAAAGGAAATATCGGCTACATTGTCCGCTTTTCCGA TCACGGGCACGAAGTCCATTCCCCCTTCGACAACCATGCCTCACATTCCGATTCTGATGA AGCCGGTAGTCCCGTTGACGGATTTAGCCTTTACCGCATCCATTGGGACGGATACGAACA CCATCCCGCCGACGCTATGACGGGCCACAGGGCGGCGGCTATCCCGCTCCCAAAGGCGC GAGGGATATATACAGCTACGACATAAAAGGCGTTGCCCAAAATATCCGCCTCAACCTGAC CGACAACCGCAGCACCGGACAACGGCTTGCCGACCGTTTCCACAATGCCGGTAGTATGCT GACGCAAGGAGTAGGCGACGGATTCAAACGCGCCACCCGATACAGCCCCGAGCTGGACAG ATCGGGCAATGCCGCCGAAGCCTTCAACGGCACTGCAGATATCGTTAAAAACATCATCGG CGCGGCAGGAGAAATTGTCGGCGCAGGCGATGCCGTGCAGGGCATAAGCGAAGGCTCAAA CATTGCTGTCATGCACGGCTTGGGTCTGCTTTCCACCGAAAACAAGATGGCGCGCATCAA CGATTTGGCAGATATGGCGCAACTCAAAGACTATGCCGCAGCAGCCATCCGCGATTGGGC AGTCCAAAACCCCAATGCCGCACAAGGCATAGAAGCCGTCAGCAATATCTTTATGGCAGC CATCCCCATCAAAGGGATTGGAGCTGTTCGGGGAAAATACGGCTTGGGCGGCATCACGGC ACATCCTATCAAGCGGTCGCAGATGGGCGCGATCGCATTGCCGAAAGGGAAATCCGCCGT CAGCGACAATTTTGCCGATGCGGCATACGCCAAATACCCGTCCCCTTACCATTCCCGAAA TATCCGTTCAAACTTGGAGCAGCGTTACGGCAAAGAAAACATCACCTCCTCAACCGTGCC GCCGTCAAACGGCAAAAATGTCAAACTGGCAGACCAACGCCACCCGAAGACAGGCGTACC GTTTGACGGTAAAGGGTTTCCGAATTTTGAGAAGCACGTGAAATATGATACGAAGCTCGA TATTCAAGAATTATCGGGGGGGGGGTATACCTAAGGCTAAGCCTGTGTTTGATGCGAAACC GAGATGGGAGGTTGATAGGAAGCTTAATAAATTGACAACTCGTGAGCAGGTGGAGAAAAA TGTTCAGGAAATAAGGAACGGTAATATAAACAGTAACTTTAGCCAACATGCTCAACTAGA ATTTACCGATAGCATGAATGACAAGGCTTTTAGTAGGCTTGTGAAATCAGTTAAAGAGAA AGGAAATAATAGGGTTTTTGCTGCAGAATACCTTGGCAGGATACATGAATTAAAATTTAA AAAAGTTGACTTTCCTGTTCCTAATACTAGTTGGAAAAATCCTACTGATGTCTTGAATGA **ATACTTGATGAGTATCGATCTAATGGTTTTCAGAATTTTAATGAGAATAAAAGTTTTGAA** AATTACTTTATCGATAATGATGTTATATTATTATCAATAATAAATGAAGCAAAAAAACAG CTTAAATTGAAAGAATCTTGGGATAAAGACGCAATCATGTTTTGTGATAATTTTGGTAAT AGTCTTACCGTTTGGCCAGATGATATAGAGTGCGAACTTGATTTAAGATTTGATTATACT AAATTTATTCAGAAAACCATTGATTGGGCAATAAAATATAATTGTCTACTTGTAATAGAA **AAAACAGGAAATGTAGTTTCCCCTAATATAAATAATCTGATGTATGAAATAAAAGCATAT** TTGGAAAGCAAGCCGTGGCCCATATGAAACCTAAACTCAACAAGTAGGATGTGTGCGGAA CGCACGTATGCGGTTCTCAAGGTTTGAGCTAAGAGGCCGTCTGAAAACAGAAAAACTGTT TCAGACGACCTTTCTTTTAACCAGTTGCCACAGCAACCGGACAAAAGCAGCCTACCTCCA CATCCATATAGGCAATACAGGGGAGATATTTTGTAAATTCTACGAATATTTTACCTGCTA **AACAGGGTAGGATATGGTATGAAGCGAACATTGGCTTAATAAACACTATGTCAAGATCGA** ATTATATCTCTGCAACACGGTTTGTAGCTTGGAAATAGGAGTATAACTTATGCAATTAGA GATTATCGGTAGTAAAATTTATACGGAACAAGATTTTCATAATCAAATTTCAAAAATATT TTCTATACAAGATTATTATGGGAACAATCTTGATGCTTTATGGGATTTATTAAGCACAAA TGTAGAACGACCGATTACTTTGGTATGGAAAGATGCTATGTTCTCAAAAAAATCAATTAGA **AAATATATTTATTGAAATCGTAAATGTTCTAGAAAGAGTTAAGAAACAAGATGAGGATTA** CACAGGCTTAAAACTCCCCAGAGCCAATTAAGCAAGCCGTAACCCATATAAAACTTAAAC TCAACAAGTAGCATGTGTGCGGAACGTACGCATGCGGTTCTTAAAGTTTGAGCTAAGAGG CCGTCTAAAAACAGAAAAACCGTTTCAGACGGTCTTTGTTTAACGCCACCGATCCAGCGG GTTACAAAGCGCAGTCAATGCCGCTGCGCCTTATGCCTCCGAAGCAATAGGCAGAACATT TGGACACGGTGAAAACAAAACGAAACCGCCCAAGCCGTCGGACATTTCCTTTTAGGAGC

AGCTATTGCCCGCGTCAACGGTGGTAATTTTGCTGCCGGCGGCTCGGCAGCAGTTGCAGC TGAAAAGGCGGCGGAACATCTTGCCCAACAGTATAACGACGGTAAAACCGCAATCGATCC GCAAACAGGCGAGTTCAATGCCAACCTGCTGCCGGAACATATCAAAGAGGAAATCAAATC AAAGAGCGGGGTGATTGCATCGCTGACGGGCGGCCGTGGGCGGCACGCCGGTAGATGC GCAAACCGGAGGTGCGGTCGGACAGAATGCGGTGGAAAACAACCTCTATCTGACATCGGA AGCCTTAAAGAAGGACAAGCAGACAGCTCGTAAAATTTATTCCGTCATAAAAGAGCAAGT CAAGCATGAATGCAGTTCCACAGGAAGAATTACCGAATGTCGTCAAAATATAGGACGCAT CTTATATTACCTAAATAAACATCCTGATTTAGTAGCCTCTTATTTGAAGGCTGAATACGA AAAGCTGGATAGGGAAGACAAAAGTATCCTGCACCGCTACATCTCACCCGGGGCTGAAAT CGTTTCGGGCAGTTTGGGGGTTGTTCTTTCAGGAGTAGCCGGAGGCGGATCTTGTGCCGA GACTTTCGGCTTAGGCTGTGCCGCCGCTTTGGTTGGTGTAACGTCTTCCTACGATCATGT TCAGGCCTTGAAGCAGTTGGGGCTGTCGGAGCAGGCTGCGGAATATGTTCAGTTCTCTAT AGATTTGTTCAGTGTGGGTAAATCGGGGGGGGGGGTATACCTAAGGCTAAGCCTGTGTTTGA TGCGAAACCGAGATGGGAGGTTGATAGGAAGCTTAATAAATTGACAACTCGTGAGCAGGT GGAGAAAATGTTCAGGAAACGAGAAGAAGGAGTCAGAGTAGTCAGTTTAAAGCCCATGC GCAACGAGAATGGGAAAATAAAACAGGGTTAGATTTTAATCATTTTATAGGTGGTGATAT CANTANGANAGGCACAGTANCAGGAGGGCATAGTCTANCCCGTGGTGATGTACGGGTGAT ACAACAAACCTCGGCACCTGATAAACATGGGGTTTATCAAGCGACAGTGGAAATTAAAAAA GCCTGATGGAAGTTGGGAGGTGAAAACGAAAAAAGGTGGGAAAGTGATGACCAAGCACAC CATGTTCCCAAAAGATTGGGATGAGGCTAGAATTAGGGCTGAAGTTACTTCGGCTTGGGA AAGTAGAATAATGCTTAAGGATAATAAATGGCAGGGTACAAGTAAATCGGGTATTAAAAT AGAAGGATTTACCGAACCTAATAGAACAGCATATCCCATTTATGAATAGTAATATTTATG **AAAAATTAGGAGATTAATGATGAAAAGAATTAAGTGCTTTTGTGATAAATTTCCATCAGG** AGATACATTTAGAATGTGTATCATTCTGGATGACTATGATAATAGGGTTGATTATTATGT AGGAATATATGATTACATTACGTCTACCTTAATGAGCGATATTTACTATCGATCCACGAT TGATGAGCATTTCAAGATTATAGAATTAATAGAAAATAATCCAAATGAAATTTATGATGA TGGCGGTGGTCAACAATTTTGCCTAGAATTTCATCATGATAAGGTCATTTTTTACCACAA TGAATTTGATGAAGAAGATGGTTATCCAGTATTAAGCTGTTCGCTGCATACTTTTAAAAC GACTGTGATTGAGGAATAAGCATAATTAGCTTAATGAATAGAATCAGCGATATAGATTGG ACTGCAAATCCACGCTTATACGCTGTGCCATGATTAAGATGTTAGAACTTGTATTGAATA CAAGTTCTCATAAACGAATGGCAGTAAGCATTTGATTTAGATAAAATCCTTGAATTAGAA TAATCAGGTCTAAGAGCTCGACAGGACAAATGAGGCTGGCAACCAAGGATTTGGCGGAAG CCATTAGGAAAGGACAGGTTCGCAAATCAAGCTTTAACACAGAACAATTAAGGGCAATTG ACAAAGGAAGGTAACTATGTGGAAAATCATAAAAGAGGATAGTGATGATTTAGAATTTGC AATTAAATGCTTATTCTCTCAGTCTATTGATTTAAATGAATTCAAGTTATGGATTGAACA AGTAATACGCGATATGCCCATCGAGGACATCCCTTTTTATATTTTTGATTTGGCGGATTT TGATGGGGGAATTGCCGATATTGACAATATTGTAGGTTTTGTTTCAAGTTGCAGACTATC **AAAATCGAAAAAAATGCCTTGACCGGCATTGCCTTCTTAAGGGGGATAGATGTCTATGA** TCCGCCTATTTCAAAAGAAAAAGCATTAAAAGCCTTAGAGAAACATCCTGAAATTTATCA GAAATTTCAGCATTTCTTTCCGTTTGTAGAACTGCCCCCGCTTTAAACAGTCAAAATGCC GTCTGAAACGATATTCGGCTTTCAGACGGTATTTTTGATATAAAGCGGGTAACTAAAAGA GCGTTTGACGGCAAAGGAAGATAATTATGTGGAAAATCATAAAAGAGGATAGTGATGATT TAGGATTTGCAATTAAATGCTTATTCTCTCAGTCTATTGATTTAAATGAATTCAAGTTAT GGATTGAACAAGTAATACGCGATATGCCCATCGAGGACATCCCTTTTTATATTTTTGATT TGGCGGATTTTGATGGGGGAATTGCCGATATTGACAATATTGTAGGTTTTGTTTCAAGTT GCAGACTATCAAAATCGAAAAAAATGCCTTGACCGGCATTGCCTTCTTAAGGGGGATAG ATGTCTATGATCCGCCTATTTCAAAAGAAAAAGCATTAAAAGCCTTAGAGAAACATCCTG AAATTTATCAGAAATTTCAGCATTTCTTTCCGTTTGTAGAACTGCCCCCGCTTTAAACAG TCAAAATGCCGTCTGAAAGCCATTTCCGCCGCTCAGACGGCATTTTCGCCCCTTTTGTTT GAAAACCCTGCTCCTCCTCATCCCCCTCGTCCTCACAGCCTGCGGCACACTGACCGGCAT ACCCGCCCACGGCGGCGAAACGCTTTGCCGTCGAACAAGAACTCGTCGCCGCATCGTC CCGCGCCGCCGTCAAAGAAATGGATTTGTCCGCCCTAAAAGGACGCAAAGCCGCCCTTTA CGTCTCCGTTATGGGCGACCAAGGTTCGGGCAACATAAGCGGCGGACGCTACTCTATCGA CGCACTGATACGCGGCGGCTACCACAACAACCCCGAAAGTGCCACCCAATACAGCTACCC CGCCTACGACACTACCGCCACCACAATCCGACGCGCTCTCCAGCGTAACCACTTCCAC ATCGCTTTTGAACGCCCCCCCCCCCCCCCCCCACAAAAACAGCGGACGCAAAGGCGAACG CTCCGCCGGACTGTCCGTCAACGGCACGGGCGACTACCGCAACGAAACCCTGCTCGCCAA CCCCGCGACGTTTCCTTGCCGACCTCATCCAAACCGTCTTCTACCTGCGCGGCAT CGAAGTCGTACCGCCCGAATACGCCGACACCGACGTATTCGTAACCGTCGACGTATTCGG CACCGTCCGCAGCCGTACCGAACTGCACCTCTACAACGCCGAAACCCTTAAAGCCCAAAC CAAGCTCGAATATTTCGCCGTTGACCGCGACAGCCGGAAACTGCTGATTACCCCTAAAAC CGCCGCCTACGAATCCCAATACCAAGAACAATACGCCCTTTGGACCGGCCCTTACAAAGT CAGCARACCGTCAAAGCCTCAGACCGCCTGATGGTCGATTTCTCCGACATTACCCCCTA TGTCGGCAACGAAGTCATCCGCCGCCGCAAAGGAGGATAAACCGTGAAACCGCTGCGCAG CGCGGCGGACTTGGCGCAAGACCCGTTCATTACCGATAACGCCCAACGGCAGCACTACGA CAAAATCAACGTCATCCAAGACTATACCCACCAGATGGGCAACCTGCTCATCCAACAGGC

AAACATCAACGGCACAATCGGCTACCACACCCGCTTTTCCGGACACGGACACGAAGAACA CGCCCCTTCGACAACCACGCCGCCGACAGCGCGAGCGAAGAAAAAGGCAACGTTGACGA AGGCTTTACCGTATACCGGCTCAACTGGGAAGGACACGAACATCATCCCGCCGATGCCTA CGACGGCCCGAAGGGCGCAATTACCCCAAACCTACGGGCGCACGAGACGAATACACCTA GCAACGCATATCCGACAATTACAGCAACCTCGGCAGCAATTTCTCCGACCGCCGATGA AGCCAACÁGAAAAATGTTCGAGCACAATGCCAAGCTCGACCGCTGGGGCAACAGCATGGA GTTTATCAACGGCGTCGCCGCCGCGCGCTCAACCCCTTTATCAGCGCGGGGGAAGCCGT TGACCAGTGGATGCAGGAAAACCCCAATGCCGCCGAAACCGTCGAAGCCCTGGTCAACGT CCTGCCGTTTGCCAAAGTCAAAAACCTGACAAAGGCGGCAAAACCGGGGAAGGCTGCGGT TAGTGGGGATTTCTCAGACTCCTACAAGCATAACACTGCTTCAAGATTATCTCAGTCTGT AGATGGAGAAATGTTTCAAACCCGCAATGTTGATTTTAAAGCAAAATCTATTGGGACTAA **AATTCATGATGGAGCTCAAGGGAAACATATTTCAGGACATAGAAACTACATTGAAGGTAA** GAGTACTTTAAATCAAAACATTAATCCTCAAGAATTGTTGAACGGAATACATTCAGGTGC TTATCCAGTTATTTCTAAAGGAGCAAGAGGAAATCCTGTTGTTGATTTTGGGTATCCTAT TGGAGTTCACATTGTTCCGGCTAACCCTAAAACCATTAAAAAGGTGCAATAGTTATGAAT ATATTACCAAGCTGGCTGCGAGTCGGTATGAATATAGCAATGCTGGGCATGATACACTCA TATTTATCAAGAGAAGCCATCACAGAAGACCATGAAGATATGGAATATTTGATTACAGAG TCGCAAGCGTAGGTTAAAAAAACCAACAATCACAATGTCTTCTGAAACCGTGTTTAATTT TCAGACGGCATTTCCTTCATTTGAAATAGGATATTGAGAACTGAGTTCTTCAAAAATCCT ACACCTGCTCCTTCCACGGCAGCACCTTGGTCAAAACGGCAGACGGCTACAAAGCCATTG CCCGTATCCGAACCGGCGACCGCGTCTTCGCCAAGGACGAGGCAAGCGGAAAAACGGGAT ACAAACCCGTTACCGCCCGATACGGCAATCCGTATCAAGAAACCGTTTACATTGAAATTT CAGACGGCATCGGCAACAACCCAAACCCTGATTTCCAATAAAATCCACCCGTTTTACAGTC AAGGAAAATGGATACAGGCAGGTCGTCTGAAAAAAGGCGACACCCTGCTTTCCGAAAGCG GCGCAAAACAGACGGTTCAAAACATTACCTTCAAACAGCAGCCGCTCAAAGCCTACAATC TGACCGTCGCCGATTGGCATACCTACTTCGTCAAGGGCAGTCAGGCGGAAACGGAAGGGG ATCATGGCAAAAATGATAATTCTGTGAAAAGTAGAGCACCAACAAACGGACAAGCAGCTC TTGATAATTCCGTTCAAGTTAAATCAACTTCTCCTCGAAGAGTTGGGGTTGATAAAGCCA ATAATGAAATCGTTGTATTAAACAAAACTCAAACTTTTAATAACGGTTCTGCGGAATATC ACGGGCATGTCAGAAGTTGGCAAGATTTGCATACCGATCAGAAAAATGCTTTAAAAAAAG CAGGATTGGATTAGTTAATTCAAAAGGAAAAATTAAAAAATGACTGATAAAAGTAAAACA GAAAAGTTGATTTCTTCTGATGATAAACAAAGTGTTATAGATGGCATTCTTGATATGGTA TTTAATTCCAAAGCATATGAAGTACCGTGGATTTCTGAGAAATTGATGGAATTATCGAAA AATAAAGACTTGGATATTGCCGGATTATCGCTAACCTGTTTCGGACATCTCGCCAGGCTA CATTCAAATATCGGTGATTACGATAAAGTTATTCCTTTACTACATTCAAAGCAAGATGAT CCAGAGCTTCAAGGTAGGGCTGAAGATGCGTTAGAAGATATTTCTTTATTTTTATCTGAA AATCATTAGGAACCGTAGGTCGGGTTGAAAACCCAACAATCAAAATGCCGTCTGAAACCG TGTTTAATTTTCAGACGGCATTTCTTTCATTTGAAATAGGATATTGAGAACTGAGTTCTT CAAAAATCCTACACTTGCTCCTTCCACGGCAGCACCTTGGTCAAAACGGCAGACGGCTGA AAAGCAAACACCGTCCGTCGTGTTGCCGTTTGCGGATGAGTACGGGTCAACCCCAATGCC GCCGAAACCGTCGAAGCCGCCTTCAACATTGCCGCCGCCAAAGCCGCAAAGTTGGCAAAA ACGGTAAAACCGGGGAGATAAAAGCCGATGGCAGGAAAGTAAATGTGAGGATAGACAGTA CGGAGGCAGACCTGCTTTATCCGGCAGGGCAATAAGAAAACAAAAATTAGATATGGAAAA CGATTGTGAAGATTAAACCATTACAATTTTCTAACAATAATCACAGATTTTATGTGGACA ATATTGAAATATTTATTGACAATATAATTCATTTTCAAATAACGGATGAATCTTATAAAG TAAAATTTTCAGAATATTTATTTGAAAATAAAGAAAAAATGATTGGGATAGAAATCCTG CTATAAATTATTTTTTCGAGATAATAGATGATAGTTATATGGACTGGTTGAAAGAAGAAA GTTTTGATTTTTTGAAAAGAAATATTATAAGGCTTATATTTTCTTTTTTAGCGATTCTG TAATAGAAGTTATCAGCTCGACAGAACCTGTATTTTATTCAAAATAACAAATTATCAAAC AAAGCTCTGATTAAAAACCCAACAATCAAAATACCGTCTGAAACGATATTCGGCTTTCAG ACGGTATTTTTGACACAAAGCAGGTAACCAAAGGAGTGTTTGACGGAAAAGGAGAAGCTA AAATACCGGATGTATCGGTTGGGAAGCAATGGATAAAGGTAAATAATTATGTGGAAAATT AGTAAAGAAAATTGTGAAGATTTAGGATTTGCAATAGTCTGTATGTTCTATGATGCTATT **AATCTTTCTGAATTTAAATTATGGTTGGATATAGTTGTCAGAGATATTCCTATTGATACA** ATTCCATTGTATATTTTTGATTTGATTTGATTTGATAAGAGTATAGGGGAAATTTATGAT GTAATTGGAGTCGTTAATTATGGTTACATTTCAAATGATCAAAAAAATGCATTAACGGGC ATTGCCTTCTTAAGGGGGATAGATGTCTATGATCCGCCTATTTCAAAAGAAAAAGCATTA GAGCTTCCGCTTTTTTAAAAGACAATATGCCGTCTGAAAAGTTTTCAGACGGCATTTTTT ATTTCTTCCAGTAGGCGGGGTGAAGAGGATGAAGACGGTGAAGATTTCCAGCCTGCCCA AGAGCATGGCGGTAACGCAGATCCATTTCTGCATCACGTCCAAACCGGCGTAATTGCCGG CGGGCCCGACTTCGCCCAGGCCGGGGCCGGCGTTGGTGATGCAGGCGATGACGGCGGTGA AGGCGGTGGTAAATTCCATACCGCTCGCCATCAGCAGGAAGCTGAAGAGGACGACGGTCA TAAAGTAGATGAAGATGAAGGACATAACGGTCAGCGCGAGGCGGTCGGGTATGGCCTTGC CGCTGATTTTGACGGTGCGGACGGCTTTGGGGTGCAGCAGCACCATCATTTCGCGCAGGC ... TGGCGAGGATGTTGGCGAGGAAAAACATCCACAGGGAAATCAGGAGCGGCCATTGTGCGA AGTCGGTGTTGGCCAGCCCGTTTGCCAGTCCGATGGAGACGAAGTTGAAGGCGGTGTAGC

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GCAGGGATTCGGTAAAACCGGCGTAATAGCCGGTGTGCCACAGGTACAGGCGGCGGCAA GGATGCTGCCGGAGAGCAGCAGCAGCATCGTCCGGCATTCTTCGTCTTTCCAATAGGTTT TGAGGCTGCGGCTGTTGAGGGCGGCGAAATGGTTGGCAAAATTGATGCCGCCGACAATGG TGAAAACGATGATGACCGCTTCGATGAGGGGGGGGAGTTGTAATAAGCTATGCTGGCATCGT GGGTGGAAAACCCGCCCAGCGAGAGGGTAGCCATCGCGTGACAGACGGCATCGAACCAGC CCATCCCGGCAAAATGCAGGCAGGCTGCCGCGAGGATGGTGATCAGGGTGTAGCCGAACC GGATTTCGGCTTTGAATAACTGCGTGCCGCCTACGCCGAGCATAGGCAGGATGGCGACGG CAAGGACGATGATGCCCATCCCGCCCAGCCAGTTGAGCATATGCCGCCAAAAGTTGACGG AGGGGGCGAGCCCGTCGACGTGGGGGGATGACGGTCGCCGGTGGTGGTCAGTCCCGACA TCGATTCAAAAAATGCGTCGGTAAAGCCCATATTCGGGAAATACAGGTACATCGGCATCG CAGCCATAGCGGCAAACGCCAGCCACAACATCAGGACGAGGGTAAAGCCGTCGCGGGGC GCAGTTCGCGCCTGAACCGGAGGGTGGCGAGCCGGACGATGCACGAGCCGGAAAGGGTAA CGGTCGCGGTGGTGGCGAAGGCGGTGTACGCGCCGTCCGAAAAGGCGTAGGAGAGGGCGG CGGGTATCAGCAGGATAAAGGAAAACAGCATACCCAGTCGGGAGAGGACGTGGGCGATGG GCAGGATTTTGTGCATAGTGGGGCGGTCCGTTATTTTGCGAAGCTTTTCCAGTCTATGCC GCCGGCGGCTTGGACTTGGGTAATTTCTTCCGTTTCGAGGTTGACGGCGGTCAGCTGTCC GCCCCACAGCGCCGGTGTCCAGCGAGATGACGTTGTCGGCATTCGTGTAGCCCAGCGA GGACCAGTGTCCGAAGATGATGTGCGTCGAGGTTTTGCCGGTCGGGGGCTTTGAACCACG GGCGCAGGTAAGGCGGCATTTTTTCACTGTGGATTTGTAGTCGAAATCCAGTTCGTTTT TAAAGGTCAGGGCGCGCATCCGCGTGAAGGCGTTGACGATGAAGCGCAGGCGGGCATAGC CTTTCAAACCTTCGTCCCACGCGGCCGGTTTGTTGCCGTACATTTTGGAGAAGAATTTGA TGCGCCATTGCGGCAGGATGCCGGCGTGTACCATCACGCGGCTGCCCTCGCGTATCAACA GCGGTTGCGCACGCAGCCAGTCGAGCATTTTTTTTCCGTCGGGGTGTTTGAGTATGGGTT CGATTGTGTCGCTGCGTTTGGGCGCACCTTCGCCGCAGCCGACAGCGAGCAGGTGCAGGT CGTGGTTGCCGAGGACGATTTGCACGCTGTTTTCGTGCCGGATGCAGAATTGCAGCGTTT CGAGGGATTTCGGGCCGCGGTTGACGATGTCGCCCGTCAGCCAGAGGGTGTCCGTGCCGT GGTTGAAACCGATTTTGCCGAGCAGCGCGGTCAGTTCGTCGAAACAGCCTTGTATGTCGC CGATTGCGTAATGTGCCATTGCAGATGTTGTGAAGTGGGAAAGTGTTGCGGTTCGGACGG CATGGTTTTGAAATATCATGCAGTCCGAACGTGGAATTATGCGTTCAAAACGAGGACGGC GAAGGGCTCGGCGATAAATTCCGCCATGACTTCGTTGAAGACGGCAAAATTGCCCAAGTC GGTCAGGTAGGCGTTGAGTTTGACGATGTCGGCCAGCGTGCCGCCTGCCGCTTCGGCGAC GGCTTGCAGGTTTTGGAACACTTGGCGCGCGTTCGGCGGGAAATCGCCGTTGCCGACGAC GGTCATCGTGGCGGGATCGAGGGGGGATTTGACCGCTCATGTAAACGGTGTCGCCTGCTCG GACGGCTTGGCTGTACGCCCCGATGGCGGCGGGGGCTTTGTCGGTGTGGATGATGGTTTT GGACATTCGGATTCCTCAAAAAATAGGGCGGCAGAAGCCGCAGCATTCGGGATTATCGT ACAAAACCGCCGGCTTGTGTAGTTGCGGTGGCAGAAAACAAAACCGCCGAAGGCTCGGCG GTTTGCAGAATAAGGCGCATATCAGAATTTGACGCGCACACCGGCGGACAGTTCGCCGGA ACGGACGTTTTTGACAGTGTTGACTTTGCCGATGTAGTTGTAGCGGTAGCCGGCATCCAA ATCGACATTCGGGGTAACGGCATAGCTTACGCCGTCAATACGCCGAGGCCGATGGAGGT TTGGCTGAAGCTGTCGCCGCCCAAGTCGACGGAGGCGCGGTTGAGGCTCAAGCGCGC GCCGAGATACGGTTTGACGGGCGATTGGGTGTCGAAGTCGTAAATGGCGGACGCGCCGAT GCTGTAAAGTTTGAAATCGGTGGATGGGGCTTTATAGTTTTTGTAGCGCGTGTAATCGAC GGCGAAGCGGAGGTCGTTGATGCGGTAGCCTGCGGAGATGCGCGGGCTGAAGCCTTTGGC AGAACCTAAAGAGCTTGAGGCTTTTGCGTGTGCGGCATCGGCTTGGACGTAAAAGCCGGA TGCGCCTTCCGCCAGTGCGGCGGCCGGGAGAGCGAGGGCAATCAGTGTGGCAAGTGCTTT TTTCATATTTTGGTTCCTTTATGGTCAGTTAGAAAATTGTTAAGAATCCGTTAAAGAAT CCTGCTGTATTATACTTAAATTTTCTTTTTGCATCGTAATATTTTCAATACTTCAAGATA CGTAGCGGTATCCGGCTGCTTTGCCGACGGCAAAGCCGTTAACCCGCGCGTTGCCTTTAA ATGGTGGCGGCGCATCACGCGGCGGATGGGTGAAACTTGCAAACGGTTTGGAAAAAACA GCGGTATCTGTCGGATTGTTGCAGGTGCAGGCATACGGTTTTGTGTGCGTCTGTGCCTTA AGCGTCGGACATTTCCGGCGGCGGCTGTGCCGTCTGAAACGCCCGGCGGGGGATGCGGCT CGCCGATTTGTTTGCGCTTATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCC GCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCG TTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATAAAAAA TCGGTTTCCAGCAGGCCTTTTTGCCTTGCCGTTTCGATTTGCGCCATGATTTTGGCACTC GGTACGCCCGTGCGCTCCTGCAACATCGCGGCGGGTACGCCGTCGGTCAGGCGCAGGGCG TTCATCATGAATTCGAACGGCAAATCTTCGGCAGCGACGGTTTTGCGTTCGACGGCTTCA CTCGGTTGGCTTTGCATTAAGGCGAGGTAGTCGTTGGGGTGGCGGCGGCGGACGGTGCGC TCGATGCGGTCGGGATAGGAAATTTTGCCGTGCGCGCCCCGCGCCTATGCCTAAATAATCG CCGAACTGCCAGTAGTTCAAATTGTGGCGGCACTGCATGGCTGGTTTCGCAAAAGCCGAT GTTTCGTAGTGGACAAAACCCGCGCCTTCCAGCGCGCGTGTACCGCGTCTTCGATGTCG AGGGCGGCTTCGTCTTGCGGCAAACCTTTCGGCGGCGTATGACCGAACGGCGTGTTCGGT TCCATCGTCAGGTGATACGCGCTGATGTGGGTTGCGCCCGTAGCGATAGCGGTTTGTACG TCGTCCAATGCCGTCTGAACGGTTTGGTTCGGCAGGGCATACATCAAGTCGATATTGACT TTATCAAATAATTTCAAGGCGGTATCGATAGCGGTTAAGGCTTCCTTACCGTTGTGGACG CGCCCCAGCCTTGAGAGCATATCGTCGTTGAAACTCTGTACGCCGATAGAAAGCCGCGTA ATACCCGCGTCTTTAAATCCTTGAAACTTCTCGATTTCAAATGTCCCCGGATTGGCTTCC AAGGTAATTTCCGCTTCCGGCTGCAAGCGCAACAGCGAACGCCACGCCGCTTAACAAACGG TCAATCGATTCCGCCTGAAACAGGCTGGGCGTACCGCCGCAAAAAGATCGTTTCCACC GGCCTGCCCAAATATTGGGCAATTCAAGCTGCAAATCGGTCAGCAGCGCGTCGATATAG

GCGGCTTCGGGCAATCCGTTTTTCAGGCTGTGGGAATTGAAGTCGCAATACGGGCATTTT CGGTTTGGAAAGGAAATGGTGTGCATGGTGTGGTTCGGAAAAGTGGGCAATGCCGTCTGA AGGCGGTTCAGACGGCATGGGTTCAGCCGAGCAGGGTAAGCAGTTCGGCTTCGCTGAGGA CGGAAACGCCCAAGGCATTGGCTTTTTCCAGCTTGCTGCCGCGGCTTCTCCGGCGACGA CGTAATCGGTTTTTTTGGACACGCTGCCGGAAACTTTGCCGCCTGCGGCTTCGATTAGGG ATTGGGCTTGGTCGCGTTTGAGGGTGGGCAGGGTGCCGGTTAACACGAAGGTTTTGCCCG CCACGGCTTTATTGATGCCGTCTGAACCTTGCGCCGCCTCGTCTTCAGACGGCATTTGCG CGAAGAAGGTTTTCAGGTTTTCGAGCAGGGCGGCGTTTTGTGGTTCGCTGCGCCACGCCT GCCAGTCGGTGGGGAGGGCTTTGTCGGTTTGCAGCCCTTCTATGTTTTTGCCGGCGAGTT CCCATAAGGCTTGGGCTTTGTTTTCGCTGATTTTGAAACCGGGCAGGCGGCGATCCAGC GTTGCGGTTCGGCGGGGGGGGGGGGGGGGTGGTAACGGCTTGGGTTTGCGGGCCAACGC CTGCGGCGAGCAGTTCGTCTATCATCGCCTGCTGTTCGGCTTGGGCGAAGAAGTGGGCAA GGCGGACGCGTTCCAATGTGCCGAATGCCTGTGCCAGCGTTTTGGCGGTGCGTTCGCCGA CGTGGCGGATGCCGAGCGCGAACAGGAAGCGGGCGAGTTCGGGCGTTTTGCTGGCTTCTA CGACCGAACTGCCTTCAGACGGCATTTGATCCGATTCGGCAACGGTTTTGTCCGCTGTTT CCTTCATTTTTTGCAAGGTCGGGATGTCGAGGCGGTAGAGATCGGCGAAGTGGCGGACGA GGTCTTGCGCGACAAGCTGTTCGATTTGTTTTTCACCCAAGCCGTCGATGTCCATCGCTT TGCGCGAGGCGAAGTGGATTAAGCCTTGCGCGCGTTGTGCCTGACAAAGCATACCGCCGC TGCATCGGGCGACGGCTTCGCCTTCTTCGCGTTCGATTTCGCTGCGGCAGATGGGGCAGT GGGTCGGCAGGCGGTAGGGCTTGTGGAGCGGAACGGATTGGGTTTGATTGGCGGACGGTG TTTCGGCAAACAAATCGTCCTGCCGATGCCCGATGCCGTCTGAAACGGCAACGGCGGTTT CCCGCATCGGGCGCGTTCAAAAATCACGCGCACAACTTCGGGAATCACGTCTCCGGCAC GGCGTACGACGACGGTATCGCCGACGCGAACGTCTTTGCGCGATACTTCGTCCTGATTGT GCAGGGTGGCGTTGGTAACAGTTACGCCACCGACGAATACGGGCTGTAATCGGGCAACCG GCGTTACCGCACCCGTCCTGCCGATTTGCACGTCAATCGCTTCGACAATGGTCAGGGCTT CGTGCTGTTGCGCCAAGCTGTTGACTTTGACGACCATGCCGTCGATTTCGTAGGGCAGTT CGGGGCGTTTTTGCTGCATGTTTCGTAAAACGCCAATACTTCGTCGATATTTTTGAAAC AGCCGAAATTGCCATTGGGCAGACTGAAGCCGAGTGCTTGGAAATAGGCGAGTTCCTGGA TGTGTTCTTCCGCGACGAAACCATCTTGCTGGCGGGCGACGGAGTAGGGGAAAAAGTGCA GTTTGCGTTGCGCGGTGATGCGCGAATCGAGTTGGCGTAGGCTGCCGGCGGCGGCGTTGC GCGGATTGGCAAAGGGTTTTTGCCCGTTTTCGGCTTGTCTTTTATTGAGGGCGACAAAAT CGGCTTTGAGCATCAGCACTTCGCCGCGTACCTCGATGAGTTCGGGCGTATTTTCGCCGT GCAGCCGCAAGGGGATGTTGGATACGGTTTTGATGTTTTTGGGTAACGTCTTCGCCCGTCG TGCCGTCGCCGCGCGTTGCCGCCTGCACCAATACGCCGTCGCGGTAGAGCAGGCTGATGG CGAGGCCGTCGAATTTGGGTTCGATAACGTATTCGGGATTGCCGCCGTCCAAGCCGTCGC GCACGCGTTGGTCGAAGGCGTACATTTCGGCATGGTCGAACACGCCGTTTTCATCTTGCG GGGAAAAAGCGTTGGTCAGCGACAGCATCGGCACTTCGTGGCGTACTTCGGCAAATCCCG CCAAAGGCTCGCCGCCGACGCGCTGGGTCGGGCTGTCGGGCAGTTTGAGCTCGGGATGGT TTAACTCCAACGCTTCGAGTTCGCGGAACAATTTGTCGTATTCGGCATCGGGTACGCTGG GCGCGTCGAGGGTGTAGTATTCGTAGGCGTAGCGGTTGAGGAGGTCGGTGAGGCGGCAGA TGTGTTGTGCGGCAAATTGTTTTATATCACTATCAGACGGTTTAAGAAGATTGGTAAAGT TAGTGTTATGTTTTGAGTTTGGATTCATGAGAGAAGGTTTTCAGACGACCTTTGTCTGAT ACGGGATGAAACGGGCAAAGGTCGTCTGAAAAATGATAGGTTGAAAACAGCTGAATTTTA CCCGAAAAAAAGCGGATATGCCGTAACGACATATCCGCTTTGATTGCATTCGATTTTAGG AGAACAGGCGCAATGCGGTTTTGCCGCCCGGTTCGATACCGACTTTGAGCATCTCGGACT GACGCGCCAATACATAAGTGCGCACGTCTTTGAGCCATTGGGTCGAAACTTCTTCCATTT TGTCGTTGACCAGATTCAGGTTCAACTGGCCGGACAGGCGTACCGCCAAATCCATAAACA AATCGTCGAAGGTTTTTTCGCCTGCCGGAGAGTGCGGGATGTCGAGCAGCATACTGAAGC TGGAGAACATGGTCGAGCCCGACGTGTCGGTATAGTGGAACGCGCCGTCGTCTTCCAAAA CGAAACCCACGCCGTTACGGCGGAACGCAGTTCTACGCCGCTGATGCTGGTCGGGGAAA CCAAATGGATGGCGATGGTCTGGTCGACGCGCGCGCAGAATGCGTCCAGTGCGGAAGCCA CTTCGATAAAGGCGGCAAGGTCGGTGTGCAGCGTCTGACCGCCCATGCTTTGTGCGAATG CGTCCACCTGGCGGTTGAATGCGGAGAGTTCTTCCTGCGAGGCAAGTCCGTTGCGGCTGA CTGCCTGAATACCCACGATAAATGCCTGATAGCGGATGCCCGGGATGGGTTCGGCAATCT GGAAATGGTCGTCCATGGTGCAGCCGACAATCTGGTAGCGGCAGCGGTTGGAAAGGCGCG GCAGTGCGTGCAGTTCTTTGGCTTCGGTCAGCGCGATATAGGAGATGAAGTCGAAGCGCA CGTCAAACCAGGGTAATTCGACTTTTGACAGTTCTTTGAGCGTAATCAGCGGTTTTGCAG GTGTTTGCGGAACGGGTGCAGGTTTTGCCGGCGCGTCGGCAGGTTTCGGTGCGGAATGTC CGGTTTGGGGTTCGGAAACGGTGTGGGCGGAGTTGCCGATAATGCCGCTTTCTTCCAAGG CGGTTTCGATTTCGCTTTTGAACGGGGAGGCTTTTGCCTGTTTCTGCTTGGCGATGTAGA CGGCATCCTGTTCTTGCAGGTTGCGCATGGCGGGGTCTTGGGGGTTTTTGCCGTTTTTTTGA CCGCCGGTTGGGGTTTCGGCATCATGACTGACCCGCCGGACGGTTTGCCGTCGCGGACAT **GGCTGGTTTTGCTGTTGAGCAGGGCATCTTTGTCGGAGTGTCCGAACTGGTCGCGCACTT** TTTTGCGGTATTGGTTTTCCTGATACATGTTGTAGGCGACAACGGCGAGGACGACAGCTA GAAACAGTACGATGTAAATCATGGCAATCACTTGTTAAATTTCGGGATGCAGGATACGCA AAGTGCGGGTACTGCGGTTAAATCGGGCTTGCACTGCGGTTAAATCGGGCTTGCGTTTCC GGCAGTCTGACGGAACGGCCGATTATAACGTTTGAATTATAACGAAAATTGCAGGGTCTG ACAGCAGTGTCGAAATAAGCGGAAATTTTCCGAAATGCCGTCTGAAATCTGTGGTTTT CAGACGGCATTTCTGTCCAGGAGAAACCCTTTCTCCCGTATCCGCCGCCAGTCGAAAAAA TGGCCGGGGTCGGTTTTGCGGCCGGGCGCGATGTCTTGGTGCCCCGTTACCGCCGTGACG

GGGTAGTGGCGCAGATTGCGTCCAACAAGGCTTCGAGCGAACGGTATTGCGCTTCGGCA AACGGTTCGAAATCGCAGCCTTCCAGTTCGATGCCGATTGAAAATGCGTTGCATTTTTCC CTGCCGCCGAATGAAGATACGCCGGCATGGTATGCCATATTGTCGCAGGAAACGAACTGT ACCGTTTCTCCGTCGCGTTTGATTAAGAAATGGCTGGATACGCGCAAAGTGTGTATCAGG CTGAAGAACGGATGTCCGTCGGGGTCGAGCCGGTTGGCAAACAGCTTTTCCACCGCATCC GTGCCGTATTCGAACGGCGGCAGCGAAATGTTGTGCAACACGATCAGGGAAACCGTTTCC TTTTGCCAGTGTGCTTCGGCGTGATTGTCCATGATGTTCTTCCTGTCCGGCGGCAATTT GGGTTATACTGTCGCCCGAATTTTAAGACGTATTCCGAATGCTGGGAATCCTACCATGTT GAGAAAATTGTTGAAATGGTCTGCCGTTTTTTTGACCGTGTCGGCAGCCGTTTTCGCCGC GCTGCTTTTTGTTCCTAAGGATAACGGCAGGGCATACCGAATCAAAATTGCCAAAAACCA GGGTATTTCGTCGGTCGGCAGGAAACTTGCCGAAGACCGCATCGTGTTCAGCAGGCATGT TTTGACGGCGGCCTACGTTTTGGGTGTGCACAACAGGCTGCATACGGGGACGTACAG ATTGCCTTCGGAAGTGTCTGCGTTGGGATATCTTGCAGAAAATGCGCGGCGGCGGCGGCGGA TTCCGTTACCGTGCAGATTATCGAAGGTTCGCGTTTTTCGCATATGAGGAAAGTCATCGA CGCAACGCCCGACATCGGACACGACACCAAAGGCTGGAGCAATGAAAACTGATGGCGGA AGTTGCGCCCGATGCCTTCAGCGGCAATCCTGAAGGGCAGTTTTTCCCCGACAGCTACGA **AATCGATGCGGGCGGCAGTGATTTGCAGATTTACCAAACCGCCTACAAGGCGATGCAACG** CCGCCTGAATGAGGCATGGGAAAGCAGGCAGGACGGGCTGCCTTATAAAAACCCTTATGA AATGCTGATTATGGCGAGCCTGGTCGAAAAGGAAACAGGGCATGAAGCCGACCGCGACCA TGTCGCTTCCGTCTCGTCAACCGCCTGAAAATCGGTATGCGCCTGCAAACCGACCCGTC CGTGATTTACGGCATGGGTGCGGCATACAAGGGCAAAATCCGTAAAGCCGACCTGCGCCG CGACACGCCGTACAACACCTACACGCGCGGCGGTCTGCCGCCAACCCCGATTGCGCTGCC CGGCAAGGCGGCACTCGATGCCGCCCCCCCCCCCCGCGCGAAAAATACCTGTATTTCGT GTCCAAAATGGACGGCACGGGCTTGAGCCAGTTCAGCCATGATTTGACCGAACACAATGC CGCCGTCCGCAAATATATTTTGAAAAAATAAACCATGCCGTCTGAAAAGTTTGTGTTTTC GGACGGCATACCCTTACCGGAACTGCAAGCATGAAACCGCAATTCATCACTTTGGACGGC ATAGACGGTGCCGCCAAATCCACCAACCTTGCCGTCATCAAGGCATGGTTTGAACGGAGG GCCGCGCGTATGCAGCACATCGAGGAAGTCATCCTGCCCGCGCTTTCAGACGGCATACAC CCGTCTGAAGACATTGAAATTTTGGAACATTGGGTGCAGGGCGGTTTGAAGCCGGATTTG ACCCTGCTGCTGGATGTGCCGCTCGAAGTGTCGATGGCGCGTATCGGGCAGACGCGCGAG AAAGACCGTTTCGAGCAGGAGCAGGCGGATTTCTTTATGCGTGTGCGCGGGGTTTATCTC GACCGAGCCGCCGCTGTCCCGAACGGTACGCCGTTATCGACAGTAACCGCAACTTGGAT GAAGTCAGAAACAGCATAGAAAAAGTGTTGGACGGACATTTCGGCTGCTGATGCGGCAAA TATTGAAACAAGCGCATCCGCCCGCGCCGAAAATCAAACGGCAGTGCCGCAGGTGAAAAT GGCGGTATGCGCCAAACTTTCGGCATGATAGAATTACGCTCGGTTACAAGGCAGGATGCG TCGGCAATATTAACGAACCGCCCGTAACATGATGACCCGAAAGCGTTTCGGACAGTCCGA TTCAAATCTTTTTCTCGCAACAGGATTGACACATGGAAAACTCATTGAAAGAAGCCGCCC TCAAGTTCCACGAATTCCCCGTGCCGGGCAAAATTTCCGTTACCCCGACCAAATCTCTGG CGACCGACAAAGATTTGGCGTTGGCGTACTCTCCGGGCGTAGCCGCTCCTTGTATGGAAA TCCATGCCGATCCGCAAAATGCCTACAAATACACCGCCAAAGGCAACTTGGTCGCTGTCA TTTCCAACGGTACGGCCGTTTTGGGCTTGGGCGACATCGGCGCGCTGGCGGCAAACCCG TGATGGAAGGCAAAGGCGTATTGTTCAAAAAATTCGCCGGTGTGGACGTGTTCGACATCG AAATCGATGAAAAAGACCCGCAAAAACTCGTGGACATCATCGCCGCTTTAGAGCCGACCT TCGGCGGCATCAACCTCGAAGACATCAAAGCACCCGAGTGTTTCTACATCGAACGCGAAT TACGCAAACGCTGCAAAATCCCCGTATTCCACGACGACCAGCACGGCCACGGCCATCATTA CCGCCGCCGCCGTATTGAACGCCCTGCGTTTTACCGGCCGTAAAATCGAAGAAGCGACTT TGGTGTGTTCCGGCGCAGGTGCGGCCGCGATTGCCTGCTTGAACCAATTGCTGGATTTGG GCTTGAAACGCGAAAACGTGACCGTTTGCGACTCCAAAGGCGTGATTTACCAAACCCGCG AAGACAAAGACCGTATGGACGAGTCCAAACAGTTCTACGCCATTGAAGACAACGGCCAGC GCGTGCTTGCCGATGCCGTCAAAGGCAAAGACATCTTCTTGGGCCTCTCCGGCGCGAACC TGCTGACGCCTGAAATACTGAACACCATGAACGAAAAACCCATCGTGTTCGCTATGGCCA ACCCGAATCCGGAAATCCTGCCGCCGCTGGCGAAAGAAACCCGTCCGGACGTGGTTATCG GTACCGGCCGCTCCGACTTCCCGAACCAAGTGAACAATGTATTGTGCTTCCCGTTCATCT TCCGCGGTGCGTTGGATGTCGGCGCGACGACCATCAACGAAGAAATGAAACGCGCCTGCG TGTATGCTTTGGCGGATTTGGCGATGGAAGAAGTAACCGAAGAAGTGGTTGCCGCTTACG GTAAGAAATTTGAATTCGGCGCGGAATACCTGATTCCGACTCCGTTCGATTCCCGCCTGC TGCCGCGCGTTGCTACGGCTGCCGCCAAAGCAGCGATGGAAAGCGGTGTGGCAACCCGTC CGATTGCAGATTTGGAAGCTTACGCTGCCAAGCTGAGCGAATGGAAGCTGTAAGCCGTTT GCGGTTTAAAATGCCGTCTGAACTGTTTTCAGGCGGCATTTTGCTGTCAGATTGATATAG TGGATTAACAAAAATCAGGACAAAGCGACGAAGCCGCAGACAGTACAAATAGTACGGAAC CGATTCACTTGGTGTTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAA CGCCGTACTGGTTTTTGTTAATCCACTATAAATGAAAGATACTGAAAAATGAAAGAGATG CATGACGACAGGGCAGTGGTGTTGACGATGATTGTTTTCATGATTCCTTTGGTCAATTT TTGTTTGGGTGTTCGGCAGAGGCAACCCGAACCGCGCCAATTTCTGTAAAGCGCAGTTGC TTATTTACCTGATTGGTTCGCTTATCGGTTTGGTCTTCGCGTTGTTTATAGGTGGGTCTG TATCAGGTACGCATGATTAATGCCCCGGGCTGATTTTGCTTCGAGGATTTGTATCGAATA TGCCGAATTGTTTCAAATTTCATACCGTTATCGAACGGCATTGGCAAAAACCTTATCCGG TTTTGTCTTTCTGCTTAAGCCGCTCTCCGGGCTGTTTGCCAAAATTGCGGCAAAACGGC ...GGACGGATTTTTTATCGGGAAAACGGCAAAGCGAAAAGCTGCCCGTGCCTGTGGTCGTGG TCGGCAATATTCACGCGGGTGGGACGGGGAAAACGCCGATTGTTGCCGCGCTGGTGTCGG

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TTAGGACGCCATTGGCAATCGGGATATTGTAGTCGAGTGCGACGCGGCTGACGCCTGCTC CGGATTCGTTGGAAACCAGCTCGAAATGGTAGGTTTCGCCACGGATGACGACGCCGATGG CAATCAGTGCGTCAAACTTTTCGGAAGAGGCAAAGTTCATCAGCGCGATGGGGATTTCAA GCGCGCCGGGTACGGTGGCGACGGTAATGTTTTCGTCTGCCACGCCCAATTCTTGGAGGG TGCGGCAGCAGACTTTGAGCATTTCGCTGCCGATTTCGTTGGTGAAGCGTGCCTGTACGA TGCCGATGCGGAGGTGTTTGCCGTCGAGGTTGGGGGCGATGGTGTTCATTGGGTGTCCTT TGGTATTCGGAGGTTTCGGAATGCCGTCTGAAGGTTTCAGTCTTGCGGCTGCCAGTCGGC GACGGTTTGGAATGTGCCGTCTTCGGCAAGCTCCCATGCGCTGCCTTCGGGTTGGGAGAG CAGTGCGGCGGTTTCAGGGTTGGTTTTGGCGATGTCGGCGAGGCTGACGATGCTGAAGTT GTCCGGATCGTCGGTGTATTCGTCGGTCTCGTCGCCGCTGAAGAAACGCCAGCCGCTGTC GGTGTTGGTGGCGATACAGCGGTCGAGTGCCGAGGAAAGTGCTTGTGCAAATGCGTTCAT TACGGGAATACGTTGGGGGAAAACTTACGGATTTTACCACGATTCGTGCGTTGTCGGCAG ACGGCGGCGGTTTGGTGGTACAATGTGCGCCGTTTGCAGCCTTAAGGTGTTTCTGTATTT TTGGAGTATGGAAACGCATTCGGGCTGTTTTTTGCGGAAGACGGTAATGAAAGACGATGT TTTGAAACAGCAGGCACACGCGGCGATACAGAAGAAACTGGGCTACGCGTTCCGCGATAT TTCGCTTTTGCGGCAGGCTTTGACGCACAGGAGCCATCATGCGAAGCACAACGAGCGGTT CGAGTTTGTCGGTGATTCGATTTTGAATTATACGGTGGCGCGGATGCTGTTTGACGCGTT TCCGAAGTTGACCGAGGGCGAGTTGTCGCGGTTGCGGGCAAGTCTGGTCAATGAGGGCGT GTTGAAGAGCGGCGTTCAGACGGCCTTCGATACTGGCAGACGCGATGGAGGCGATGTT TGCTGCCGTCAGCTTCGATGCCGATTTCAACACGCGGAAAAGGTGGTGCGCCATTTGTT TGCCGATCGCGTCCGGCGCGCGATTTTCAAAATCAGGCAAAAGACGGCAAAACTGCTTT GCAGGAGGCGTTGCAGGCGCGCCTTTCGCCTTGCCGAAATACCGTATCGAAGAGCAAAT CGGTTATGCCAACGACAGTATGTTTGTCATTTCCTGCGATTTGGGCGAACTGGGTTTCGT GAAATGGCTGGAAGAGAAGCTGCCGCTGAAGAGAAAAAGAAATGAGGCGGCGCGTGAAT GAACGCGCCGCCGGCGGATACCGTTGCGGCTTCGTAGCGATTGTCGGCCGTCCGAACGTG GGCAAATCAACGCTGATGAACCATCTCATCGGTCAGAAAATCAGTATTACCAGCAAAAAG GCGCAGACGACGCGCAACCGCGTAACGGGGATTTATACCGACGATACCGCGCAGTTCGTG TTTGTCGATACGCCCGGCTTTCAAACCGACCACCGCAACGCGCTCAACGACAGGCTGAAT CAAAATGTTACCGAGGCGCTCGGCGCGCGTGGATGTGGTGGTTTTCGTCGTGGAGGCGATG CGCTTTACCGATGCCGACCGCGTCGTGTTGAAACAACTGCCCAAGCACACGCCGGTCATT TTAGTGGTCAACAAAATCGACAAGGACAAGGCGAAAGACCGTTACGCGCTGGAGGCGTTT GTTGCCCAAGTGCGCGCGAATTTGAATTTGCGGCGGCGGAGGCGGTCAGCGCGAAACAC GGATTGCGGATTGCCAACCTGTTGGAGCTGATTAAGCCGTATCTGCCCGAAAGCGTGCCG ATGTATCCCGAAGATATGGTTACGGACAAATCGGCGCGTTTTTTGGCGATGGAAATCGTG CGTGAAAAATTGTTCCGCTATTTGGGCGAGGAATTGCCTTATGCGATGAACGTCGAAGTG GAGCAGTTTGAAGAGGAAGACGGTTTGAACCGCATCTATATCGCCGTTTTGGTCGATAAG GAAAGCCAAAAGGCAATTTTAATCGGTAAAGGCGGAGAACGTTTGAAGAAAATTTCCACC GAAGCGCGGTTGGATATGGAAAAACTGTTTGATACCAAAGTATTTTTGAAGGTCTGGGTC AAAGTCAAATCCGGTTGGGCGGACGACATCCGCTTCCTGCGCGAGCTGGGTTTGTAGTTT TTCTTGCTGAACTTTACGCAAATGCCGTCCGAACAGGTTTCAGACGGCATTTTGTTTCAA TCGGGAATATCTTTGTTAAAAACGGGTTGATATTATCTGTGCATATTATAGTGGATTAAC AAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGA AGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCT GATTTTTGTTAATCCGAGACCTTTGCAAAAATAGTCTGTTAACGAAATTTGACGCATAAA AATGCGCCAAAAAATTTTCAATTGCCTAAAACCTTCCTAATATTGAGCAAAAAGTAGGAA AAATCAGAAAAGTTTTGCATTTTGAAAATGAGATTGAGCATAAAATTTTAGTAACCTATG TTATTGCAAAGGTCTCAATCCACTATAAAGACCGTCGGGCATCTGCAGCCGTCATTCCCG CGCAGGCGGAATCTAGTCCGTTCGGTTTCGGTTTTTTTGGCTAGTGCCGCAACATTAAA TTTCTAGATTCCCACTTTCGTGGGAATGACGCGATTAGAGTTTCAAAATTTATTCTAAAT AGCTGAAACTCAACGCATTGGATTCCCGCCTGCGCGGGAATGACGAATTTCAGGTTGCTG TTTTTGGTTTTCTGCTTTTTCCAATAAATGCCCCCAACCTAAAATCCGTCATTCCCGCGT AGGCGGGAATCTAGACATTCAATGCTAAGGCAATTTATCGGAAATGACTGAAACTCAAAA AACTGGATTCCCACTTTCGTGGGAATGACGAAGTGGAAGTTACCCGAAACTTAAAACAAG CGAAACCGAACGGATTCCCACTTTCGTGGGAATGACGGGATGCAGGTTTCCGTAT GGATGGATTCGTCATTCCCGCGCAGGCGGGAATCTAGGTCTGTCAGTGCGGAAACTTATC **AGGTAAAACGGTTTCTTGAGATTTTGCGTCCTGGATTCCCACTTTCGTGGGAATGACGCG** ATTAGAGTTTCAAAATTTATTCTAAATAGCTGAAACTCAACGCACTGGATTCCCGCCTGC GCGGGAATGACGAATTTCAGGTTTCTGCTTTTTCCAATAAATGCCCCCAACCTAAAATCC **GTCATTCCCGCGTAGGCGGGAATCTAGACATTCAATGCTAAGGCAATTTATCGGAAATGA** CTGAAACTCAAAAAACTGGATTCCCACTTTCGTGGGAATGACGAAGTGGAAGTTACCCGA AACTTAAAACAAGCGAAACCGAACGAACCGGATTCCCACTTTCGTGGGAATGACGGGATG CAGGTTTCCGTATGGATGGATTCGTCATTCCCGCGCAGGCGGGAATCTAGGTCTGTCAGT GCGGAAACTTATCAGGTAAAACGGTTTCTTGAGATTTTGCGTCCTGGATTCCCACTTTCG TGGGAATGACGCGATTAGAGTTTCAAAATTTATTCTAAATAGCTGAAATTCAATGAACCG GATTCCCGCCTGCGCGGGAATGACGAAGTGGAAGTTACCCGAAACTTAAAACAAGCGAAA CCGAACGAGCCGGATTCCCGCTTGCGCGGGAATGACGGGATTAAGTTTTCAAAATTCATC AGAAATTACTGATTTAATAGCATAAATTTTTTAGATTATAGTGGATTAACAAAAATCAGG ACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCA GCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTT AATCCACTATAAGTCATTCCGGCGGCAATTTTTGTTGCTTTAACGGGATAGGCGGTTGGC GGTTGCGATAAAGGCGGCGACTTTGGCGGCATCTTTTTTGCCTTTAGACGCTTCCACACC

GCCGGATACATCGACCGATTCCGCTCCGGTGATGCGGACGGCTTCGCCGACGTTTTCAGG GGTCAGCCCGCCAAGCACCCACGGTTTGCCCGAATATTCCGCCAGCAGCGTCCAGTC GAAGCGGTTTCCGGTGCCGCCGTATTCCGAAGGATGGTAGGCATCGAACAGCAGTGCCTG AGCGTCGGGGAAGCGCGTGGCGGCGTTTCGGATGTCTGATGCCGTCTGAACACGAATGGC TTTGATATAGGGGGGGGGAACTGGCGGCAGAATGCGTCGTCTTCGTCGCCGTGGAATTG GATGATGTATCGGCACTTCGGCAAGGATGCGGCGGATGTTTTGCGCGCTTTCGTTGAC GAAAAGGGCGACAACGCTGACAAACGGCGGCAGTGCGGCGGTGATTTTTTTGGCGCGCGGC AATATCGACGGCCCGGCTGCCTTGGAAAAAGACCAGCCCGACGGCATCCGCACCTGC CGCTGCGGCGGCAGCTGCGTCTTCCGGTGTGGTGATGCCGCAGATTTTGGTGCGGATTTT CCTCATTCGGTATTCCTTTATTTGGGAAACGGCGCCTTTTGCCGTTTCAGACGGCATTC CCGATCAGTCGATTTTGATGTATTCGACAGAAAGGATTTCAATTTCCTCACGCCCTTCCG GCGTGTTCAAAACCACTTCGTCGCCTTTCGCGCGCTTTAATCAGACAACGAGCCAGCGGCG AAATCCAAGAAATTTTGTTTTGCGCGGTATCGATTCATCGATGCCGACGATTTTGACGG TTTGCTCGCGCCCGTCGTCGCGCAACAGTCCGACCGTCGCCGAAAAACACTTGGTCGG TCGCTTCGCGCAATTCGGGATCGACGACGACGCCTCCAAACGTTTGGTCAGGAAAC GGATGCGGCGGTCGATTTCGCGCATACGCCGTTTGCCGTAAAGATAGTCGCCGTTTTCGC TGCGGTCGCCGTTGCCTGCCGCCCAGTTGACGATTTGGACGATTTCGGGGCGTTCTTTGT TGGTTTCGGTACTCATATTGTGTGCGGATGAAACGGGAAATGTGATGCCGATATGGGAAA TGCCGTCTGAAAACCCGGCGTTCGGATTTCAGACGGCATCGCGGTTTGGGAAGCCTTATT CTTCGTCGCCCGCATCGCTGATGCTGATGCTGTTCCATCCTGCTCGGGTGGATTTTCA GACCGCCGCAGCCGGATTTCTCGGCAGACAGGCGGTCGAGGTAGGCATCATCGATGTCGC CGGTCTGATAAATGCCGTTGAAACAGGACGAATCGAAGGATTCGATTTTCGGATTGAGTG CTTTGACGACGGCTTCCAAATCGCCCAAGTCTTGAAATACGATGCCGTCCGCGCCGATTT CGGCGGCGATTTCCGCCGCGCTGCGCCCGTTGGCAATCAACTCTTCGCGCGTGGGCATAT GCGCGCCCGCCGCGCACCATTTCGACGATTTCGCGGCTGGTCGTCCCGCGCACGATGG AGTCGTCCACCAGCAACACGCTTTTGCCTGCAAATTCGGTTTCCATCGGGCTGAGTTTTT GGCGCACGGATTTTTTGCGCGTCGCCTGTCCGGGCATAATAAAGGTGCGGCCGATATAGC GGTTTTTAATCAAACCCTCGCGGTAGGGTTTGTCGAGATGGACGGCAAGCTCCATCGCGC TGGGGCGGCTGGTGTCGGGAATGGGCATCACGACATCGATGCCGTCCACGGGCAGCTCGC GTTTGATTTTTCCGCCAGCGACACGCCCATATCCAAGCGCGATTGGTAAACGGATACGC CGTCAATCACAGAGTCGGGGGGGGCAAAATAAACATATTCAAAAAGGCAGGGGCTGAGTT TGGCACGGTCGCTGCATTGGCGGGCAATCATTGTGCCGTCAAAGCCGACAAATACCGCTT CGCCCGGCCGGATGTCGCGTTCCAAATCGTAGGTAAGCGCGTTGAAGGCGACGGATTCGG AGGCGACGCATAGGATTTTCTGCCTTCGCTGTCGGTTTGCGAACCCAATACCAGCGGGC GGATGCCGTAAGGGTCGCGGAAGGCGAGCATACCGTAGCCCGCAATCATGGCAATCACAC CGTATGCGCCGCGCACCAGGCGGTGGACTTGGGCAACGGCGTTGAAAATATTGTCGGCAT TGAGCCGGTGCGGGTCGGCGTTTTTAGAGACTTCGCGGGGTAATTCGTGCGCGAATACGT TTTCATACAGTTCGGCAGTGTTGGTGAGGTTGCCGTTGTGCGCCAAAACGATGCCGAACG AACGGACGTGGGCGATGCCGGCGTTGCCGGTCAAATCGCGCATATTGCGTGTGCGGAACA CTTCGCGCACCATGCCTTTGCCTTTGTGCATATGGAAGGTACCGCCTTCCGCCGTTGCAA TGCCCGCCGCATCCTGCCCCCTGTGCTGCAACATCTGCAAGCCGTCGTACAGAAGCTGGT TCACGGGTTCATGACTGACCAAACCTAATACGCCGCACATATCGTCTTCTCCGATTCGAG GTTTAAGGGTAAAACGGAATTATAAAGTAAACGGTGGTTTTTTGCCTGAATTGTTGACAA TATTTGAGCGAAGGACAGATAGGTGGGTTTATGGAGAATAAGATTTATAGTGGATTAAAT TTAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGCAAGGCGAGGCA ACGCCGTACTGGTTTAAATTTAATCCACTATAATCTGTGATATGGCTGAGGAAAGGAAAA CTTCCGGAGTTTCCGCCGTGCCGCCGCTATGGTTCAACACGGCTTCGGAAAGCGATACGA AAAACGGCAGTGTGTAAGATTGCCGCCATTCTTCGGTATCGGGCAGGTCGGTTTTTGAAG CAAGCATGACCAGCAGGGTAACAATCAAAACGCCTTTCAATGCACCGAATACGCCGCCCA AAATGCGGTTGGCAAAGCCCAAACCGACCGCCGAAACTGCGCTGGTCAGCAGCGAACGGA GCATTTTCTGGATCAGACAGGCAATGACGAACAGGGAAATGAACGACAGAGCCAATGCAA ACAGGCGGGGTTGGAACGAGGCAAAGGCGAGGTCGGCGAAGGAGGCGGCAAAGAGTTTGG TCGCGGATAGCACGATGCAGGCGGCGATGACGGCGGAGACGAGGGTCGGCAATGGGGA GGCTATTCATTCGTTACCTGACCGGCGATACCGTGTACGCGCAATTTGTTCAAATCGCGT TCGGCATCCCTTGCGTTTTTATAGTTGCTTGATTTGACGCGGTAAACTTTGCCGTTGTCG GTCATAATTTCGGTGATGGTCGAATCGATACCCGCCGCCTTCATTTTGCGCTGGAGGCTT AAGGCGCGTTCTTTTTCGGCATAACCTGCCTGAATGGCGGCTTTTTTACCGGATTTTTCC CCGTCCGAACGGTCTTTTTCGGCTGTTTTTTTGCTTTCAGCCTTGTCGGCTTTTTTCGCT TCTTTTACCGCGCTGTCGGATTTTGCCGTATCCGGTTTGGTTTTTTCGGCGGCAGTTTTC GGTTTGTCGGCAACTTTTTCGGCGGTTTTGGTTTCTTTGGCTTTGGGCTTTGGCA GTGCGTTCCGCTTTTTGCGGTTTTGTTTCGGCAGTGCGTTTCGGTTTTTCAACCGCTACC GTATCCGTACTGTCGGCAGTTGCCGGCACTTTTTCGGCAGCGCGTTGTTTTGCCTGCTTC GGTGCGGTTTTGGCGGTTTCTGCCTGTTGCAGTTTCTCGGATGCTTCCAAACCTTTGATG TTGCTGTCTTCGAGGCGCTCGTTAATCAGCACCAGCGGCGCGCCTACGTTTTCAGGCTCG CTGATTTCGCTGTCGGCGGCAGAAGGCTTGTCTTCGCCTGCCAAGTCCTGCGGTTTGTCG GCGGCGGATTTCAAGGCAGGGTTTGTGCCGCACCTGCCGCTTTGTTTTCTACGCCGCTT _GTTTCGCCGGCAGTCTGTTCGGCAGGGCCGGAACTGAGGGCGGCTGCCAGCAGGATGCAG GAGGCGGCAACCAGGCAACTTGCCGTTACGAGGCGGCGGCGGTTGCGCCGTTTGAGTTGT

TCGTAACCGCTCAGGACTTCGTTTTGTTTTCTTTTCGGACATAGAAGTTTCCTTTTAAAGT ACCGACATGACATCGCCAACGGTATGAAATGAGCCGAAAACGACGATTCTGTCGTTCTCG CCCGCTTTTGAGGCTGCCGCCCGGTATGCTTCGCGGACGGCGGCGAATGTTTGTATGTTT TCGATGCTGTTCGTGCAGTTTGTTTTGCAGGCTCTCGAGCGTCATGCCGCGCGGTACA TCCAACGGTGCGATATACCACTCGTCAAACTGGTCTTTAACGGTTTCCAACACGCCGTCT ATGTCTTTGTCGGACAACATGCTGAACACGGCGGTGCGTTTTTGCGCAAACGCCAAATTA AGCGGCCGGCCGGCAGGACTTGGAAGCGTCCGGGATTTTCAACCAGCAACAAACCGCGC TTGATGGCACCGATGTCCACCGGCAATTTGTCGTTCAAGCATTCCAATACGGTCAGCGCG CAGGCGCATTGGAAAGCTGGTATGTGCCGCGCAATGCGGGAAGGCCAGGCATTGCGG TTGCGCGCGGGGTCGTCTGAATGTTGCGGCCGGAAGCGGTAGTTCCATTGGATGTTTTCC ATCGCGTGAAACTCGAAATCGCGCTGCACCATCAGCAGTTTCGCGCCTATGGCTTCGGCG TGTGAAAGCAACGATTTGGGCGCGGGTTTTGACCGCAGATGGCGGGTTTGCCGCTACGG **AACACGCCTGCTTTTTCAAAGCCGACCTGCTCGACCGTATCGCCCAAAAATGCCTGATGG** TCCAAATCCACGCTGGTAACCACCGCGCAATCGCCGTCAAACGCGTTGACCGCGTCCAAG CGGCCGCCCAAGCCGACTTCCAATATCATCACGTCAACCTGTTCGCGCATGAAGATGTCG ATGCGCTCGAAAGAGGCAATAATCGTATCGTCCGAAACGGGTTCGGCGTTGATGGCGATG CGTTCGTTGTAACGCAATAAATGCGGGCTGGTCAGCGTACCGATTTTGTAGCCCGCCTGT TTGTAAATCTGTGTCAGGTAGGCACAGACCGAACCTTTGCCGTTGGTTCCCGCGACAACG ACGACGGGGCATTGCGGCTCGAGCTTCATGCGTTTTTTCACTTCGCTCGTGCGCTCCAAA CCCATGTCGATCAAACCGCCGCTGTGGGCGGTTTCCAAATGCGAGAGCCAGTCTTGTAGT **GTTTTCATGAGTGTTTCGTTTTCAAATGCCGTCTGAAATCAGTCTGATGTATCGGTTTCG** GCGGTTTTTTTCGGCTGCCGCCAAAGTACCCAAACTTTCAGCTTGCGGTAGGATTCTTTG TCCGTCATGTCGGGCATGATGCATTGGCGGACGGTTTTGCCGCCGGTGTCCCATTGTAAG AATAAGGCATAAGGCGTAACCATACTGCTGCCCGACAGTGCCGCCCCTTTGCCGTTTTG TCTTTGCCGGATACGATTTCCGCCTGTCCGTCGCGGTCTATGGTAATGGCGGTTATGGCA TGGCGGTGTTTCAGATTCGTTATCCTGAGCGAGTATGCGTAACTTGCCACCAAAGCCGCC AAACCGAACCACATCATCCGGCCGTAAAACCAAGTCAGGCAGACGGCAAGGGAGGCGGCG TGAAGCGATACAGTCAGGATGTTCAGGATGCGGGACGGCCTCAATGCCGTCTGAAAGGCG CGCACAGCCTTACATCATGTTGTCGAACACGGGGGTAATGTTCAATTCCGCTTCTTCCAT GTTCAACACTATATCGTGGATTTCGATGTCGAAAAATTCCCAAAACGCCTTCAGCCCCAT ATCTTGCGGCCATTTATCCTTATCGATGTCCCAACCTGCCAGCTCCGCCTCGAAAATCTG CCGGTAGCGTTCGTCGAAGTAGGAAACGACGGCTTCCGGTTCGTCGAACTGCGGAACGAG GAAGACGGAACAGTTGGCACGAAGCTGCTCTATGGTCAGGTCGGGCATATTTTCGTCGGT GCTTTTGAGCCATTCCAAAAAGCGCGCGGTCGGCTTGAGGACGACGGCGGTGCGGTCAAC **AAAATACATGGTTTTCTTTCTCAATCATCTTGCGGTGTCGGGATATGCTGTCTGAACGTT** CGGTTTTCAGACGGTATAGCATCAGTGGGTCATGACCTGTTGCAGGAACTGCTTGGCGCG TTCGTGTTTCGGGTTGGTAAAAACGCTTCGGGCGTTTCGTCTTCGAGGATTTGCCCTTT **ATCGACGAAAATCACGCGGTCGGCAACTTCGCGGGCAAACCCCATTTCGTGGGTTACGCA** CATCATCGTCATGCCGCTTTCTGCCAAGTCTTTCATCACTTTCAACACTTCGCCGACCAT TTCGGGGTCGAGTCCGAGGTCGGTTCGTCAAACAACATTACGCGCGGTTCCATCGCCAA ACCGCGTGCAATCGCCACGCGTTGCTGCTGGCCGCCGGAAAGTTGGGAAGGGAAGGCGTC TTTTTTGTGTGCCAGTCCGACGCGTTCCAAAAGCTCCATTGCCTTTTTCTCCGCCTGTTC CGCATTTTGCCCTTAACCTTCATCGGTGCGAGGGTAATGTTTTCCAACACGGTCAGGTGC GGGTAGAGGTTGAAGCCTTGGAATACGAAGCCGACTTCTTCGCGGATTTTGTTCAAATCG GTTTTGGGGTCGCCAACGTTGACACCGTCCACCCAAATCTCGCCGCTTTCGATGCTTTCA AGCTGGTTGACAGTGCGGATGAGTGTGGATTTGCCGCTGCCCGAAGGCCCGCAGACGACG ACCACTTCGCCTTTTTTGATTTCCAAGTTTACGCCGTTGATGACGTGCAGGTCTTTGAAA AGGTTGTCGTTACGGGAGCTCCATATGATGAAGCGTGTAGCGTCTGCCGTCAAAAAAACG GTCGTTCGGATTGGTCAGGCAGGCTGCAAGCGGCAGTATCAGGGGTAAAAGCAGGTATTT CGTCATCGGCTTACTCCCTTTTCAGACGACCTTGCCCGCCAGATAATTGCTCAACGCCAC ATCATCGTCGCCTGCAAGCTCTTTCAGATTGTTGCGTATGGTTTTTGCGGCGTTGGTGGAA GGCGAGTTTCACGAGTTTGGCAAAATGCTCGAAATCGTCCGCCTTGCCGATGCGGTGTTT CACCGGAATCATACGGACGACGGCGGAATCCACTTTCGGCGCAGGGTCGAACGATTCGGG CGGTACGTCAATCAGCATTTCCATATCGAAAAAATATTGCAGCATCACGCCCAAGCGGCC GTAGTCGTTGCTTTTCGGCGCGGCAACCATACGCTCGACCACTTCTTTTTGCAGCATAAA GTGCATATCGACGACATCGTCCGCCACCTCCGCCAGCTTGAACAAAAGCGGTGTGGAAAT GTTGTACGGGAGGTTGCCGACGATTTTCTTTTTGCCTGCGATGCCGTTGAAATCAAACTG CAATACATCGCCTTCGTGAATCACCAGTTTATCCGCAAACGGCAGCGTTTTCAGACGGCA TACGATGTCGCGGTCGATTTCGACAACGTGCAGGCGGTTCAGCTTTTTCGCCAAAGGTTC GGTAATCGCCGCCAAACCCGGGCCGATTTCAATCACGACATCATCCGCCTGCGGGCGCAC GGCGTTGACAATATCGCTGATAATCCGCGTGTCCTGCAAAAAATTCTGCCCGAAACGCTT GCGGGCTTTGTGTTCTTTCATCGTGTTTCCTTTTCGGTTGAAACCCCGCCCTTTAGGGCG GTAGAATCAGACTCTATTTGGGAGGGGCGTAACTCTTTCCAAATCAGGATGGCACATAGG GCGGTGCTTTATGTGTCGTCCTGTGTGTTGAAACATAAATGTGTTTACAGTATCCGTTTG **ATGTCGGCATTGTAACCGAAAACGGCAGGGCGTGATAATGCTGTTTGAAGGCTTGCCGTG** TTTGGCGGTTTGGTGCAAAAACCGGCTGTCTGCCGTTTTGCCTGTTGGAGGATTGAACGT GTCTGAAAATCTGCTTGAAATCGAAACCCATCCCTTCGATCCCGTGTTGCCGCCGAAGGC TGCTGTCATGATGATGGGGACGTTTCCGCCCAAGGAAGACAAACGCGCGATGCAGTTTCA TTATCCGAATTTCCAAAACGATATGTGGCGCGTTTTATGGGCTGGTGTTTTTTAATGATGC _ GGCGCATTTCCAAAGGTTGTCTGAAAAAGCGTTTGATGCCGAGAAAATCAAGGCGTTTTT

GCACGAACGGGGGATTGCGTCCTGTCCGACCGTTTTGAAGGCGGTACGTCAGCACGGCAA

TGCGTCCGACAAGTTTTTAAAGGTAGTTGAAACCGTCGATTTGGCGGCGGTGTTGGCAAA AATACCCGAGTGCCGCCATATTTGTACGACAGGCGGCAAGGCGACGGAAATCCTGCTCGA TATTCAGGGCGGCGTATCAAAATGCCGAAAACGGGCGAAACCGTGCCGTTTCCGTTTGC CGGACGGGATTTGACGCTGACGCCCTGCCTTCGACTTCGCGCGCCTATCCTTTGAGTTT GGCGAAAAAAGCGGCGGCGTATCGGGCGTTTTTTGAAATGGCGGGCTTGTGTGAAAAACA GTTATAATTGCCGACAATTTCCCGTTCAGACGGCATGTTTGCAAAAACGGAAATGCCGTC TGAAAATTTGAAGCACAAGGAAGAATCCGATGAAGAACTACCACGCGCCCGACGAGAAGG GCTTTTTCGGCGAACACGGCGGCTTTATGTCTCCGAAACCCTGATTCCCGCCTTGCAAG AGCTGGCGGATGCCTATAAGGCAGCGAAAAACGATCCTGAATTTTGGGAAGCGTTCCGCC ATGATTTGAAACATTATGTCGGCAGGCCCAGCCCCGTTTACCACGCCGCGCGGTTGTCCG AACATCTGGGCGGGGGCGCAAATCTGGTTGAAGCGCGAAGACTTGAACCACCACCGGCGCGC ACAAAGTCAACAACACCATCGGTCAGGCACTGTTGGCAAAACGCATGGGTAAAAAACGCG TCATCGCCGAAACCGGCGCGGGTCAGCACGGCGTGGCGAGTGCCACCGTTGCCGCACGCT TCGGTATGACTTGCGACGTGTATATGGGCGCGGACGACATCCAACGCCAAATGCCCAACG TGTTCCGTATGAAATTATTGGGTGCGAACGTGGTCGGTGTAGAAAGCGGCAGCCGCACGC TGAAAGACGCGATGAACGAAGCCATGCGCGAATGGGTCGCCCGCGTGGACGACACGTTCT ACATCATCGGTACCGCCGCGCCCGCGCCGCGTATCCCGAAATGGTGCGCGATTTCCAAT GCGTGATTGGCAACGAAGCTAAAGCGCAGATGCAGGAAGCCATCGGCAGACAGCCCGACG TTGCCGTTGCCTGCGTGGGCGGCGGATCGAACGCCATCGGTTTGTTCCACCCGTATATCG GCGAAGAAAACGTGCGCCTCGTCGGCGTGGAGGCTGGCGGTTTGGGCGTGAACACCCCCG ATCACGCCGCCGATTACTTCGGGCGCACCGATTGGCGTATTGCACGGTTTCCGCAGCT **ATCTGATGCAGGACGAAAACGGTCAGGTTTTGGGTACGCACTCTGTTTCCGCAGGCTTGG** ATTACCCCGGCATCGGCCCGGAACACAGCCATCTGCACGACATCAAGCGCGTCGAATACA CTGTTGCCAAAGACGACGAAGCACTCGAAGCCTTTGACTTGCTCTGCCGCTTCGAGGGCA TCATCCCCGCGCTCGAATCCAGCCACGCCGTTGCTTGGGCGGTGAAAAATGCGCCGAAAA TGGGTAAAGACCAAGTGATTTTGGTCAACCTCTCAGGTCGTGGCGACAAAGACATCAATA AAAAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATCTGTACTGTCTGCGGCTTCGTC GCCTTGTCCTGATTTTTGTTAATCCACTATAAAAATGCCGTCTGAAGCCTGAGTTCAGAC GGCATTTTATTTTGCTATGAATTTAGTATTTTAGAAACGAATCTGTATTTTAATTTGTCC GGATTTTTGTTTTTCCAATTGTTTTCCTTTTGTAATACTGCCATTTACGTTTAATGTAAC ATTACGGTACAGTAACGCGGCACCTGCTGAATATTGCTGTTGATTATCTGCTTTATAGAC GAAGGAATTACCGCCCACATTCACGCCGCCTTTGCCATAATTGGCAAAGTAAGCTGCAGA TAACAAGGGTTTTACGGTAAGGTTGCCGACTTTAAACCGATAAGCAAAATCCAGTCCGGC CGTTAGTGTTTTCACTGACATAGAACTTACTTTAACACTGTCGTTACCCAACTTGTAATC TTGCTGCGTTTGTAACCGGCTTCTCAAGCTGCCTGCACCAATATCGCCGGCCACATACCA AGCATCATTTAAATAATACTTACCATAAAGGTTGGCTTGCACAAAAGTATTTTTGCCGCT CGCCTGATCAAAAGTATGCTGACTGTCAGAGTAAGTCAATACGCCGCCTATCTGCATATT ATATTGTGCGGAAGCATAATCACGACCATAACCGGTGTTCGACATCCAAACACTGTTTTT TTCGGCATCAGCGCGTGATTTTTGTGCAATGTGCCGTGTTAATGAAGCACCTGTATCCAA CAAGATAGATTGCGTGCTTGCCATTGCGTCAGATAAAGCCGAGTTGGTATTGGTGCTGAC TGCATCGGCTTGCGCGGCGGCTTGGGCTTGCAGCTGAGTGGCCGGCTTGGGCTCGCGGCTG CGCGGCTCTTGGTTGCAAACTCACTGTCTCAACTTTTTCATGAAGTTCCGTATTGTCTTG AGGCTGTTTGTCTGATGTGTCAACCGATTCGGATACATCTTCATCTTCCAACGCATCCAA GGGGATTTCTTCATAATCATTTTCATATTTTTCATGAAGTTCCGTATTGTCTTGAGGCTG TTTGTCTGATGTCAACTGATTCAGATACATTTTCATCTTCCAACGCATCCAAGGGGAT TTCTTCATAGTCATTTTCATACCAGTCCGGATTATGCAAGGCCCTGGGTGCTGCGTAAGC TGACGAATCAAATGATGGCGAGGGCGGTGCCGGCAGAGTAGATCTGCGTCCGCGACGTTT CGGACGATTTTGGGAAGCTGCCATATAATCCTGAGGTGCGGCACGGCGTTTTCGGCGTTG CGGCTGGGATTGGGCTGCTTGACGGTGCTCTTCTTCCTCAGCTTTTCGTTTCGCCGATTC TGCCGCTTCTCGATCTGTTTCGGCTTTTTGTTTTGCCGACAACTCTGCTTGGCGTTC CGCTTCTTGACGACGTGCAAGTTCGGCGGTCTGGCGAGCTTCTTGCTGCGTTTTGCTGC TTCGGCTGCTGCCCTTTGCTTGGCAAGTTCGGCGGTTTTGCGTTCGGTTTCCGCTTTTTG TTTGACGGCTAACTCTGCAGCTTTTCGTGCTTCTTCCTGTTGACGCGCAAGGGCTTTTTG TTGGCGTGCCGCCAATGCTTGGGCTTCAGCTGCGGCTTTTTGGTTTGCCGACAATTCTGC CGCTTTGCGTTCTGCTTGCCGATGTGCAAGTTCGGCAGCTTGGCGTTTTGCCTCTTC GGCTTCTGCTTTTCGGCGCGCGCCAATGCTTGAGCTTCACGTTCGGCCTTTTG TTTTGCCAACAACTCTGCCGCTTTGCGTTCTTCCTGCTGTCGGCGCGCAAGTTCTGCTTG GGCTTGGGCAATTTCCACATTGTTTTGCTGTACCGAACGGTGTCCGCGGCGTTTAGGACG GTCTTGGGAAGCTGCCATATAATCCTGCGGTGCGGCACGGCGTTTGCGGCGTTGCGGCTG GGATTGGGCTGTTTGACGGCGTTCCTCTCCCCGACCCTTTGTTTTGCCGACAACTCTGC CGCTTCGCGTTCTTTTCATGCCGGCGTGCAAGCTCTGCAGCTTGGCGTTTTGCCTCTTC GGCTTCTGCTTTTCGGCGTACCGCCAATGCTTGAGCCTCACGTTCGGCTTCGACTTTTTG TTTTGCCGACAACTCTGCCGCTTCGCGTTCTTTTTCATGTCGACGTGCAAGTTCGGCGCT GCTGCGTTCTTGTTCTGCTTTTTGGCGGGTCGCCAGCTCTCTTGCTTCGCGTTCGGCTTC TTGCTCCGCTTTTGCTTGCTGGCGTTTTGCTTCTTCGGCTTGATTTGCCTGCGGGCTAGG TTGTGCTTGAGAAGCCGTGTTTGTGGCAGGAGACGGGGCCGGTTTGACTCGGCGGCGGTT CTCGGCATAAGGATTGTACAATCGGGTAATACCGTTTTCTGTTTTGATTGTATAACGCAA TGCCCCTAAATCTACATGGTTATTCGCCAAGGAAACAGAAAGGCGGGAGCGGTCTTGTAC GGATGATGCATCAAAGAGATTCAGCCCTTCCTGATTGGGTTCGCCTGTTTTATCTTGAAC

ATGGAGCTGATAATGACCGGATGCGGATTCCTTCACAAGCACTTTATCCCCAAGATTTTT GTGGTATTTATTTGCACTTTGCGCATCGGAGGCATTGTTCAAATGAATATGGCTATCCGC CAATGACAGATTGTGTACTTGGCTGTCGCCGGTCAAATGCCATTTGCTATGTTGGTTTAG GCTGACACGGCTGTTTCCTTGCCCTTGAATTTGCCCCCATAATGCAGCCTTGCCCAAGAC CAATGCCGCATTCTGGTTCAGATTCACATTGCCGTTAATCTGTGTCGCTCCAAAGCTGTT TAAAGCCTTATCGGATAAGTTGCCTGTGTTGCAGGTAACGTAACCGGTATAGTCCGAGCG CACGCAAACCTCATCGCCGTTTTTGTAACCCAAATTTACTTTGGCGTTGTCTGTTGCGGT CGCAATTTCTGTGGCTTTGAATGTGCGGTTTATCCAGTCGTCTTCAAATACGACTTCATT GTTTTTGGAGAAATGTGCGTCTTTTCGGGCTGAAGATTTGTTCACAAAATCTCTTGCGTG TGGTGTTGGACGACCTGATAACAAGACATTGCCTTGAGTTACGCTTATTTTTCCGTTTAA ATTAGTGCCGCCTGTTAACAAGAAACGGTTTTGCGCGCTTTTGCCGTTGAAATTAAGGTT TAATGCACCGTTATGTCCTTTTCCGTTTTCTTCGCCAAAGAAACCGCTAAAACCGCTAAT ACGCTGATTGTTTTTGTGGTTCATCGCGTTTTTCTTGGCTTCTTCTTGTGTGCCCCAT TAAAATCCAGTCGTTATTTTCCGTTTGTCCGTTTTCGGGCATCGGTGCGTTCACGCTGCC GCCGGATTTTAGGGCGTAATAACGGTAGTTTTTGAAATAAAGATCTTTGCCTTGTGGAAT CGGTTTCCTAGGGCGGTAATAGTAATAACCAGCATCGTCATCATCATTATTTTGAATATA **ATGAATAGAGATGGTTTTGGGATCGGTAATCAAAGATTTACCCGTTAGCGTGATTGTGGA** GGCGTGGCCTGTGTTGTGGTTGACAATGCGCGCCCTTCATCCACGTTGCGGATGTGTTC AAAAGTCAAGTCATTGCCATTGGCATCCAAACGACCGCCACGGAAACCGAAATATAGGTT ATCGGGATTAATCTGATTTGAACTATTTAATACCAATGTACCGCGTCCGCTGACAATGCC GACTTGGGAGAAAGCCTGGACTTTTTTGTCGGCATCGGCTTGTTGATTCAGAATAACCGT ACCGTCGCCGACTTTTAATTGCCCTTGGTTAACGCCTGTGCCGTTTATTTCTAATGTGCC TTTGCCGATTTTTGCCAATCTGTCGCCATTCGGATTTTTGACTTGCCAAACGACTTTTTT TGTGTAATCGCCTTTGAAAAACAGACCGCCCGCGCCTTGGTTGATGTTTTGATCCAATAC CAAAGTGCCGTTGTTTCAAAGGTAACATTCTGTCCGTTGTTTGCATCCCTTTCATTGTT GGCAAGCCTTACCGCTGTCGAACCGATATGGCTGTTTGTGCCCGTGGTTTTCCAATGATG TTCTCCATTACCTTTGATGGTGCCGGCGTTATCGCGTTGTTTGATTTCATCTGCAAATTC TTTTTTATAGATATTCCATTCTTGCCAAGAGTTTTTTTGATAGCCTGCCCAATAATCGTA AGCACCTAAAAAGACCCAGCGTTTTTCTTGTTTATCATAAGCAAATAATGGTGAACCGCT ATCGCCTAACACAGCATAGTTAGTCAATGCGTTTTGAGATAAAACTTCTTTGAGTTTTTC TGGGGAATGATGTTTGAATTATCACCGAAGCCAATCAAGCCTTCTTGATTTAGATTCGA TGTGACATTCACGTCTTGATAAGGCGTACCTGCAATGGCATAACGATAAGCTCGTGAAAG CTCTGTCATATTGTAGCGGCTGTTATATTCAAATTGCGTACCTGCTCCAACTCGCACAAA AATAGGTGCGACTTCTGTTACGAATTTATTAAGGCGTGCCATGTTGTAGTCTTCAAGACG **ACCTTGATTACCGTGATGCCAATTTTTATTTGGTTCGTAGTCATTTTGTGCAACTGAACG** ATATTCGTTTTCATCATTGCTAACATCTAAGTGCCCATTGTGATGCCCGTAATAAGAGAT TTCGTCTCTTTTACATGTTTGACGCTGACGCCATACTGGGGGATCGATGACGGTTAATGT ACGTCTGTTGACATCTGCAACGCTAAAATCAATCATCGGTACGTTGGATAATGCGTTGCC GATGTTTTGACCTTGTTTGTTTTTCACTGATAAATCGGTTGCGCCGACAAAAAATTTGCC TTTGTTTTCTGCAAAGTCACGGAATATTTGATAATCGACATCGTCTCTGACCAATGCCGC TTCTGAGTATGGCGTAAGGGCATAGGCAAGAAGATGGATAAGGATATGGCGTTAATTTT **AAAACGTTTGGTTTTCATAAGGTTTTACCGTTTTAAGGGTGATAATGTTTTGTATTTTAC** GCCGGTTTGGTGTTTGACTATTTTTTTTTTTTTTTATT GCCAATTTAAAAAAAGAATCCCGATGTTTTTATTTCCGCTTCCTTTGTTCTGTTATTCAA GCGAAGGCGGGAAGCCGATTTTCGGGGTTCGGTTCTTCCGTTAAATTTCTGCGGCTTTTT GTTTTTGGATTCCCGCTTTTGCGGGAATGACGGGATTTTAGGTTTCTGATTTTGGTTTTC TGTTTTTGAGGGAATGACGGGATGTAGGTTTTCTTAACCCTGAGTCCTAGATTCCCGCTT TCGTGGTAATGACGAGATGGGGGTTCGTGGGAATGACGCGGTGCAGGTTTCCGTACGGAT GGATTCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAG ATTATCTGAAAGTCCGAGATTCTGGATTCCCACTTTCGTGGGAATGACGGGATTTTAGGT TTCTGATTTTGGTTTTCTGTTTTTGTAGGAATGATGAAATTTTGAGTTTTAGGAATTTAT CGGGAGCAACAGAAACCGCTCTGCCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAAG GCAGCGGCAATATTCAAAGATTATCTGAAAGTCCGAGATTCTAGATTCCCGCTTTCGCGG GAATGACGAAAAGTGGTGGGAATGACGGTTCAGTTGCTACGGTTACTGTCAGGTTTCGGT TATGTTGGAATTTCGGGAAACTTATGAATCGTCATTCCCGCGCAGGCGGGAATCTAGAAC GTGGAATCTAAAGAAACCGTTTTACCCGATAAGTTTCCGCACCGACAGACCTAGATTCCC ACTTTCGTGGGAATGACGGGATTTTAGGTTTCTGATTTTTGGTTTTTTTGAGGGAA TGACGGGATGTAGGTTTTCTTAACCCTGAGTCCTAGATTCCCGCTTTCGTGGTAATAACG **GGATGTGGGTTCGTGGGAATGACGATGGAAAGTTTGCCGTTGTCTCGGATAATACTGAGG** CTTTTCGTTTGCATTCTTATAGTGGTTTAACAAAAACCAGTACAGCGTTGCCTCGCCTTG TCGTACTGCTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTAAATTTAAACCACT ATATCATTTCAAATCTTGTTATGACGGTTTTTCGGATTTGCTTTATTATCCGTTTATTT TTGAAATATCTGGGGTGGGGAGACGTGTTCCGTCGTTGGTTTTTGCCGTGTTGGGTTGTC TTTGCGGTTTTTGCTGTGTTTGCAAGGCGTTTTGCGGTTTGCCGGTCTGATGCTGTGCGTG TTGGCGGCGCGCTTACGGCGTATTCAGAACGGAAGCGGCACTGTCTTCGCAATGGCGG GCGGAGGCGGTTTCAGGTGTGCCGTTGACGGTGGAAGTGGCGGATATGCCGAGGTCGGAC GGGCGCGCGCGCAGTTTGCGGCAAAGGCTGTGGACAGCGGTGGTCGGACGTTTGATTTG CTGCTGTCGGACTACAAACGGCGCGAATGGGCGGTCGGGAGCAGATGGCGGATAACGGCA CGTGTGCACCCCGTCGTCGGCGAATTGAACCTGCGCGGTTTGAACCGTGAGGGGTGGGCA TTATCCAACGGGATAGGCGGCGGGGGGGGGCGGTCGGTGCGGACAGGGTTTTGCTGCATGGC

GGAAGCGGTTGGGGGATTGCGGTTTGGCGCAGCCGCATCAGCCGTAATTGGCAGCAGGCG GATGCGGACGGCGTTTCAGACGGCATCGGGCTGATGCGCGCGTTGAGCGTGGGCGAA CAGTCGGCATTGCGCCCCGAATTGTGGCAGGCGTTCCGACCGTTGGGGCTGACGCATTTG GGGTGTGCAGGCGCGCTGTTTTACGCGCTGCTTGCCGGTTTTTCCGTGCCGACGCAGCGC AGCGTTTTGATGTTGGCGGCGTTTGCGTGGGCTTGGCGCAGGGGAAGATTGTCGGCGTGG GCGACGTGGTGGCAGGCGTTGGCGGCAGTGCTGTTCGACCCTTTGGCGGTCTTGGGT GTGGGGACTTGGCTGTCTTTCGGTTTGGTGGCGCCCTGATATGGGCGTGTTCGGGGGCGT TTGCACGAAGGGAAACGGCAAACCGCCGTGCGCGGGCAGTGGGCGGCTTCGGTGTTGTCG CTGGTTTTGCTCGGTTATCTGTTTGCTTCGCTGCCTTTAATCAGCCCTTTGGTCAATGCG GTGGCGATTCCGTGGTTTTCTTGGGTATTGACGCCGCTGGCGTTGCTGGGTTCGGTCGTG CCGTTTGCGCCTTTGCAACAGTTGGGGGCATTTTTGGCGGAATATACTTTGCGGTTTTTG GTGTGGCTTGCCGATGTCGCCCGAGTTTGCCGTTGCCGCCGCACCTTTGCCGCTGTTG GTGTTGGCGGTGTGCCGCTTTGCTGTTGCTGCCGCGCGCGCTTGGGTTTGCGTCCG TGGGCGGTGTTGCTGTTGGCAGGGTTTGTGTTTTACCGTTCACCCGGCGTGCCGGAAAAT GAGGTTGCGGTTACGGTTTGGGATGCGGGGCAGGGTTTGTCGGTTCGGTTCAGACGGCA AATCATCATCTTTTGTTTGACACTGGAACTGCATCGGCGCACAGACGGGGATTGTGCCG AGTTTGAATGCGGCGGTGTCCGCCGTTTGGACAAGCTGGTTCTGTCGCATCACGACAGC GACCACGACGGCGGTTTTCGGGCGGTGAGGAATATTCCCGCCGGCGGGATTTATGCCGGG CAGCCGGAATTTTATGAGGGGGCGCGCATTGTGCGGAACAGCGTTGGCAATGGGACGGC GTAGATTTCGAGTTTTTGAGGCCGTCTGAACGCAAAAACATCGATGATAATGGGAAAAGT TGTGTTTTGCGTGTTGTGGCGGGCGGTGCGGCACTGCTGGTAACGGGCGATTTGGATACG AAGGGCGAGGAAAGCCTGGTCGGCAAGTATGGAGGCAACCTGTACAGCCAGGTGTTGGTG TTGGGGCATCACGGCAGCAATACGTCCTCGTCGGGCGTGTTCCTCAATGCCGTTTCGCCC CAGAACCGTGTCCGCGCACACGGCATTAAACTGCTGCGTACCGATTTGTCGGGTGCGCTG CAATTCGGCTTGGGACGCGGCGGCGTGAAGGCTCAACGTTTGAGAGGGTATAAATTCTAT TGGCAGAAAAAACCGTTTGAGTGAGGTTTGAAACATAAAATGCCGTCTGAAACGGATTCA GACGGCATTTTGGCGTTAACGCCGGTTCGTGCTGGCAAGGCATATCGTTTGATTTTCAGT GAAAGGTTTGCGCCAGAAGGGGAAATGCCGTCTGAAAGGGCTTCAGACGGCATCCGGACA TCGGTGCGGAATCAGTGCCAGTAACGCCACCAGGGCATATCGTCAGATCGCCACGGCTGC TTTAAGAACGGGCTTTTCGGGAAGTTGGTTTCCAACACGCGGCGCGTATCGGCGGCAAGC CGTGTATTTTGATAGCTGCCGATAATTTTTTGGGCGCGGTTGGCGGCGGCGATATATGCG CCGCGTTTCATGTAGTAACGCGCTACCGACATTTCATTGCCGCCCAAAGCATCGACCAGT TTGACCATGCGTGCGGTCGCATCGGCGGCGTATTTGCTGTTCGGGAAGCGTTGGACGAGT TCCGCAAAGGCCTGATACGCTTCGCGGTTGGCTTTCGGGTCGCGGTCGGACCAGTCTTGC GAGGCCAGCTTGTTCAAGAAAGATTGATCTTCGTTGAACAGTACCAAACCGCGCAGGTAT AGCGCGTAGTCCATATTCGGGTGTTGAGGGTGAAGGCGGCGGAAGCGGTCAATGGCGGCC AGCGCCTTATCCTTCTCATCATCTTTATAGTAGGCGTATGCCGTATCCAGTTGGGATTGC TGGGCATGGCGGCTGGTAGGGAAGCGCGATTCCAAGATTTCGTATAATTTGACAGCTCGC GTATAATTGCTGCTGTTCAGCTCGTCCTGGGCTTCGGCATAGAGTTTTTCCACACTCCAG TCTTGGGTAATCTGGGCATCTTTATCTACCGTACCTTGAGTGGCACAGGCACTCAGTGCC AAACCTAATGAAACCGTTAAAAGAATTTTTTTCATGCAGAATACTTCCTTTGATAATGAA TCCGATTATAGCGACGATTCAGACTTTGCGTCAGCTTCCGAAACTGAAAACCGTATCGGT CTGACCGTTCCGCTCGAGCTTGCAGGCGGGCGGTTGGATGCGGTATTGGCGAAACTTCTG CCCGACTACTCGCGCAGCCGCCTGACATCATGGATTAAAGAAGGCGCGGTTATTGTAAAC GATAAACCTTCGCAACCCAAAGACAAAATGATAGGCGGCGAGCAAATTTGTGTAACCGTC CGTCCGAGTGAGGAAAATCTGGCGTTTGTTCCAGAGCCTATGGCTTTGGATATTGTTTAC GAAGACGATACCGTCATCGTCAACAAACCGGCCGGACTGGTGCTGCATCCGGCGGCG GGCAACTGGACGGGACGCTGCTCAACGGCCTGTTGGCGCACTGTCCCGAATTGAGCCAA GTACCGCGCGCGCGCATCGTACACCGTTTGGACAAGGAAACCAGCGGGCTGATGGTGGTT GCCAAAACCCTGCCGGCGCAAAATTCCCTCGTGAGGCAGCTTCAAGAGCGCACGGTCAAA CGCATCTACCGCCCGTCGCCAACGGCATCGTCCCCTTCGACGGTAAAATCGAAACCCAA ATCGGACGCGATCCGCACAACCGCCTGAAAATGGCAGTCGTCAAATTCGGCGGCAAACCA GCCGTTACCCACGTCAAAGTGTTGGAACGCTATCTTACCCACAGCTATATCGAATGCTCG CTCGAAACGGCAGGACGCACCAAATCCGCGTCCATATGCGCGAGGCCAACCATCCGCTT GCCGCCGACCCGGTTTACGGCAACCCGCGCCATCCGTGCGGCGACACGGTGAAAGAAGCC GTTAAAAGTTTGGGTGCGCGTCAGGCGTTGCACGCCTACCGCTTGAGTTTCACCCATCCG GAAAGCGGCGAAACCGTTTCGTTTGAAGCACCGATTCCAAACGACATATATCATTTGTTA TCCGTCCTCCGTCTTGAAGCCGGTTTGGATTCGTCTTTGAGCAATGAAGAAGAATGGCAG GACAAATTCGGCGCGGACGACGACGATGATTGGAACGAAGACGACTATGATGTCGAAGTG GTTTATGTAAGGGAGTGAGGCGGCTTGAAAGGCGGGGCGAACGCAGCCGAATCGGA GCAGCCGGGCAATCGTCCCCGCCGATTTCAAACAAAGGCCGTCTGAAGGGACCGGGCAGA AACCGCCGGTTTTGTTTGCCCCGTTCAGACGGCATTATGATAAAAGGCGTTTAGGGTTTT TTATGTTTACCGGCTTTGGCCGCCCAATAAGTTGCCAGCAGCGAGCCGGAGATATTGTGC CACACGCTGAACAATGCGCCCGGAACGGCAACGACCGGCGGCGGCGCAAAGTGTGCGGCG GCAAGCGCGGCCGAGCCCGAGTTTTGCATACCGACTTCGATGGTCAGCGTTTTTTTGT GCATCATAAGGCAGGCCGGTCCATTTGGCGGCAAAGAAGCCGAGCAGGTAGCCGATGCCG TTGTGGAGTACGACAACCGCAAAAATCAGCAGGCCGCTTTCCATAATCTTGCCTTTGCTT GCCCCAACAACCGCGCCGATAATCAGCACGATGGCGCCAACGGAAACCAGCGCAGCGCA TCGGTCAGCTTTTEGGTTTTACTGCCCAAAACCTTATGGACAATCAAACCGAAAACAATG GGGAGCAAAACCATTTTGACGATGGACATCAACATACCGGCCGCTTGGATTTCCAGCATT

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TCGCCGGCAAGCATCAGGAAGATGGCGGGAGTCAGCAATGGGGAAATCAGGGTGGAAACA GACGTAACGGCAACCGACAAAGCCACATTGCCACGCGCCAGATAGGTCATCACATTGGAA TTCAACAGTTTGGACAGCAGCCAGGCGGTTGCCGGCATAATGGCGAATTGTGCGATTACG CCGATGATGACGACTTTGGGATGTTTGAACAAAATATCGAAGTCGGAAGGTTTGAGCGTC AAACCCATACCGAACATAATAATGCCCAACAGCCAAGGAATATAAGGCCCCGCCCATTTG AAGGTGTCGGGCGCAAAAAAAGCGGCGGCGGCAAAGAGCGCGGCCCAGAGGGAAAATGTT TTTTAAGGGAAGCAAGCATACACGCCTTAACCTTAATTTGCAAAATGACCGTGCCTAAA CAATGCCGTCTGAAAGTGGAGATTGGTTTTCAGACGGCATCGCCCGAGAGATGTCGGAAA TGGACTTTATCCCCATTCCTTTTCGGTTGAAACCCGTCTGTTTATGGCGATAGAATCTAA TCGGAGGGTAGTCTCGTTCGGGCAACACGCAGTGCGGTGCTTGATGTGCCGTCCCCTGTT GAAACATATAAAGCTCGGAGAAAGTATAGTGGATTAAATTTAAACCAGTACGGCGTTGCC TCGCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTAAATTT AATCCACTATATAAAGGGCATCATTCCTGCACCGGCAAGAATCCGAACCCGAACGTTTG AAAACAATCCCGAATCTCCGAATTCCCGCCTGTGTGGGAATGACGAAAAAACAAGCATTC ATTTGCCCCGAAGGCAGTTAATCAACCCTTTCCGCCACACCCTATTCCAATATCCAATG AAAACCATCACAGAAACCCTAAATCTCGCCCCGAAAGGCAAAAACTTCCTGACCGCCGAT TGGCCCGCGCCGCCAATGTGAAAACCCTGATTACCACGCGCAACGGCGGCGTGAGCCAA GGTGCGTATCAGAGTTTGAACCTCGGTACGCACGTCGGCGACAATCCCGAAGCCGTGCGC CACAGCACCGTCGTCAATGCTGCCGAAGCGTTGGGAGGCACACCCGATGCGGACGCT CTATTTTGCGACAGGGCGGTACGGCGGGTTGCCGCCGCACACGCGGGCTGGCGCGGTTTG GCGGGCGGCGTACTGCAAAACACCATAGCCGCAATGAAGGTTCCGCCCGTCGAAATGATG GCGTATCTCGGCCCCGCCATCAGTGCGGATGCGTTTGAAGTCGGACAGGATGTGTTTGAT GCGTTCTGCACGCCCATGCCCGAAGCCGCCACCGCATTTGAAGGCATAGGCAGCGGCAAA TTCCTTGCCGACCTTTACGCGCTCGCCCGCCTGATTCTGAAGCGCGAAGGCGTGGGCGGC GACGGAGCGACAGGGCGTATGGCGAGCCTGATTTGGCTGGACGGCAATGCCGTCTGAACA CGCCGCTGATATATCTACCGACTTTGTGTTTTTTGAGAAAGGCAAGCCATGAACAAACTG TTTCTTACTGCCGCAGTGCTGATGCTGGGCGCGTGCGGTTTCCACCTGAAAGGTGCAGAC GGCATTTCTCCGCCGCTGACCTACCGGAGCTGGCACATCGAAGGCGGACAGGCATTGCGG TTTCCTTTGGAAACCGCGCTGTATCAGGCTTCGGGCAGGGTGGACGATGCTGCCGGCGCG CAGATGACCCTGCGTATAGACAGCGTTTCCCAAAACAAGGAAACCTACACCGTTACCCGT GCGGCAGTCATCAACGAATATCTTTTGATATTGACGGTTGAAGCGCAGGTATTGAAACGC GGCGAGCCGGTCGTAAACCGATGACCGTGTCCGTCCGCCGCGTCCTTGCTTATGCCGAC AACGAGATCTTGGGCAAACAGGAAGAGGAAGCGGCATTGTGGGCGGAAATGCGGCAGGAT GCCGCCGAACAGATTGTCCGCCGCCTGACCTTTCTGAAGGCGGAATGACGTGGCGGCACA TATCGGACGCATTGATACGGACGCGCCTTTGAAACCCCTGTACGTCATCCACGGCGAGGA AGAACTGTTGCGTATCGAGGCATTGGACGCATTGAGGGCGGCGGCGAGAACAAGGTTA CCTTAATCGGGAAGTTTATACGGCAGACAATGCCTTCGATTGGAACGAGCTGCTGCAAAC CGCAGGCAGTGCGGGTCTGTTTGCCGATTTGAAGCTGTTGGAACTGCATATCCCTAACGG CAAGCCCGGCAAAACCGGCGGCGAGGCGTTGCAGGATTTTGCCGCCCGATTGCCGGAAGA TACGGTAACGCTGGTTTTGCTGCCCAAACTGGAGAAAACCCAGCTCCAGTCCAAATGGTT TGCCGCATTGGCGGCAAAGGGGGAAGTGTGGGAAGCCAAACCGGTCGGCGCGGCGGTTT GCCCCAATGGATACGCGGACGGCTGGACAAAATCGGTTTGGGTATCGAGGCAGACGCATT GGCACTGTTTGCTGAGCGCGTGGAAGGCAATCTGTTGGCGGCGCGTCAGGAAATCGACAA GCTCGGGCTGCTGTATCCGAAAGGGCATACCGTCAATATCGATGAGGCGCAAACCGCCGT TGCCAACGTCGCCCGCTTCGACGCGTTCCAACTGGCAGGCGCGTGGATGAAGGGCGATGT CCTGCGCGTATGCAGGCTTTTGGACGGATTGCGGGAAGAGGGCGAAGAACCGGTGCTGTT GCTGTGGGCGGTTGCCGAAGACGTGCGGACGCTGATCCGGCTTGCTGCCGCCCTGAAGCA GGGGCAGAGCATCCAATCCGTCCGCAACAGCCTCAGGCTTTGGGGCGACAAGCAGACGCT CGCACCGCTTGCGGTCAAGCGGATTTCCGTCGTCCGCCTGCTTGACGCGCTCAAAACCTG CGCCCAAATCGACCGAATCATCAAAGGTGCGGAAGACGGCGACGCATGGACGGTATTCAA ACGGCTTGTCGTGTCGCTGGCGGAATAAAGCGGTAATCCCCAAAATCCGAAAATACTGTA ACCACCTCAATAAAGGAACATTAACCCTATGGACAATAAGACCAAACTGCGCTTGGGCGG GACATCCCGCCGACAGCAACGCCAGTTTATCGAACGCCTGAAAAAATTCGACATCGATCC CGAAAAAGGCAGAATCAACGAGGCAAACCTGCGCCGTATGTACCACAGCGGCGGACAACA CCAGAAAGATGCGATTACCCTGATCTGCCTGTCGCAAAAATGTTCGGTGGACGAGGCGCA GCGCGGTCAGAAACGTCCGCACCGTTAACCGCCGCAAGGCATCTTTGCATAAATGCCGTC TGAAGCCTGTTGGCGTTTCAGACGGCATATTCTGATTGAAAAGATGATGACACTGAAAAC CGCCCGCTCAAACGCCGCTTTGCCGCCATGCTGTACGAAATGCTGCTGGTCGGTGCGGC **AACCTGTTTGGCAGCATTGATTGCCGGTATTGCCGCCATTTTTCTGAATCCCGTTTCTAT** CGCGGTTTCTGCATTGGTAACAAGTATCCTGATAATGGGAGCATGGTGGCTTTATTTCCG CGCCAACTGGCATGGTCAGGGGCAGACCTTGGCGATGAGGACATGGAAAATCGGCTTGTG CGACCTTAACGGCATACAGCCGTCTTTGCACCTGCTGCGCCTGCGCTTTATTTGGGCGTG CATATTTATCGTATTTATCCCTATGTTAGCCTATGCCGGATTACGCCACTTCCTCGGCAT ${\tt TCCGCCCAAGGGCGGGCGCGGCGCGCATTGATTTGGCTGATTTTACCGTGGGGGTTCGC}$ - ACTGCTGAATCCCGATCGGCAGTTTCTGTATGATTTTCTTGCAGGAACAAGATTGGTGGC GGTCAAAGGAAAGCCTTAAGCCTTTATACCGCAAAGGTTTCAACCTGAAAAAATGCCGTC

TGAAAGGGCTTTCAGACGGAATTTGCTTATCGGGGAAACCGATTATTCGATATTCTGCAC TTGTTCCCGCATCTGCTCGATTAAGACTTTCAGTTCGACCGAGGCTTGGGTGCATTCGGC GGCAATGGATTTGCTGCCCAAAGTGTTGGCTTCGCGGTTTAATTCCTGCATCAGGAAGTC CAGCCGTTTGCCGCTGCCTTTGTGTTCGGTAACGATACGGCGCACTTCGGCAATGTG GGTGCGTAGCGGCTGAACTCTTCGTCGATGTCGGATTTTTGGATAAAGAGGGCAAATTCC TCTTTATGTGTTTCCAACAGGGTAGGAAAGAGTTCGCTTAATGCATCTATGATTTCTTCC GCAGTAAAGTCTTTTAACGCTTTTTCGGTCAGTTCGGTAATGCTTTTTGCCAATTCTTCC GTATTTTCCCTTTGGCTTGCCAATACGCCGGGGAAACGCAGGATGTCGGCAACGCCCAGT TTTGCCAAATCGTGATGCTTGCGGAGGTCTTTGTTGATTTCGGCAAGCTGTCCGACCAAG TCGCGATTCAGTTCCAAGGACTGACTGCCGTTTTCCGCATCTTGAATTTGGATTTTGCAT TCGACTTTGCCGCGTGCGATATGGGATGAAATTTTCTCGCGGATACCGCTTTCCAAATAG TCGAGATTGATGCGTTTGCTGCCGCACTCTGCCGCCGCGTTGGCAAATCCGGTCATGCTG TGGATGTGGATATTTCCGCTGCTCATGTCGTTCTCCGAAGCCCGTTAAAATGGAATCAAT ATATCACATCTGTATGGCGGCAAGCGTTTTCGGGTGTGAAAAATTGAAGATTTTGCAGCG GCAGATTGGAATCACGCGCTTTTGTTGCTGCAAGGAAGGGAAATGTATAGTGGATTAACC AAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAA GCACCAAGTGAATCGGTTCCGTACGATTTGTACTGTCTGCGGGCTTCGCCGCCTTGTCCTG ATTTTTGTTAATCCACTATATCAATTCCGCCAATCTGTCGGAAAAGCAGCTGATGCGGCA GTGTCTGGTGCATGTCTGCTTTTTGATTTCGGCAATTGCAACGGCGTGGACGGATAAAAT CGTGTACAGCACGACGCACAAACCGCATTGATGTTTACCAAATAAAATACCCGACAAAAC AATTTGTCGGGTATTTTATTGCGTATATTTCAAACCGCTTCGGCTCTTCGGTCAGGAAA CCACGCAGTTTCTGCATGGCTTTTGCTTCGATTTGGCGGATGCGTTCGGCAGATACGCCG TATTCGGCGGCAAGCTGGTGCAGCGTCAGCCCGCCGTCGTCTTGAAGCCAGCGGCTTTCC ${\tt ACAATACGGCGGCTCCTGTCATCCAGTTGCGCCAAAGCGTTTTGTAAACCTTCTGTTTGC}$ AGGGCGTAATGCGCCTGTTTCGATAGTTGTCGGCTCGGTTCGGAATCGTGGTCGGCAAGC CAGTCGATGGGGGGGAAACTATCCTCGTCGTCGCTGTTGTCTGCCATGATGGCGATGTCG TGTCCCGTCATTCGCTGTTCCATTTCCAGAACTTCGGAAAGTTTGACACCCAAATCGTCG GCGATGTCTTGTGCCTCTTTGGGAGACAGGGCGTTGAGGTTTTTACGCATGCTGCGCAGG TTGAAAAACAGCTTGCGTTGCGGTTTGGTGGTGGCAACGCGAACCAAACGCCAGTTTCTC AAAATAAACTCGTGGATTTCGGCTTTAATCCAGTGTACGGCAAATGAAAACAGACGCGCG CCTCTACCGGGCTCGTAGCGTTTGACCGCCTTCATCAGTCCGATATTGCCTTCCTGAATC AGGTGGGACAGGATGAGTTGTTTGGCGGCGTTGAGGTCGCCTTTGTGTTGGCGTTCGGCA AGGCGTGTTTCTTCCTCTTGGGTCAGCATGGGAATTCTGTTGACGGTGTGGATGTATTGT TCGAGGCTGCCGTTGCCGCTTTGGATGCCGGGTAATGCGAAAGCGTTATTCATTTGGGAC ATTTCCTTTCGGCTGAAACTGCGTATCGGCGGTTTGCTGTGTTGGGATGCAGTATATCAC TGCTTGGCTTGTATTTTGTATATTTGGCAGGAGATATGCGCTAAGGTTTGAAAGACAGGA AAAATTTTGTAAGGCAAGTTTGATTGATTTGTAAACCTGATGGCTCAATTCGATTTTGG AATTATATACATACGTGGTTGTATGTAAATAGCCGTTTTGAAAAAAGACAGCCCGTCCG GACGGGCTGTGCAGGTATCAGTGTTCTTTGTTTCGGAAGATGAAAAGAATCAGTGCGGCT AGGGCCAATATGCCCATCAACCACCATGAACTGCCGGTTTTCATATAGGGCGTTTCGCCG ACATAGCCTTTGATGTGCCTTCCAATACGGTTTCCGTATCGGGTTGGGCCTTGGGCCATG ATGTTGCCTTTGGGGGAGATGATGGCGGGTTGCGCCGGTGTTGGTGGCGCGGACCATATAG CGTCCGAGTTCCATAGCCCGCGCCTGCGATTGTTGGAGGTGCTGGTACATGGCGTTGGAT TTTCCGTACCACGCCATATTGCTGGCATTGGCAAGCAGGGTGGCATCTTTTGCGGCGGCA ATCAGTTCGTCGCCGAATCCGTCTTCGTAACAGATGTTGAAGGCGATTTTTTGGTTTTTC ATCAGCAGGGGGATTGCTTGCCGCCCCTTTGCGGAAGTCGGAAAGGGGCATATCCATC ATTTTGTAAAGCGGCGTGGTCAGGAAAGGCAGCGGTTTGTATTCGCCGAAGGGGACGAGG TGGTTTTTGGCGTAGTAGGGGATACCGTCCTGATTGTTTTCCTGATAACCGGTCAGGTTG ATGACGGCGTTTTCGTAACCGTTGCCGTCCGAAGTGTATTGGCTGATGCCGACGGCGAGC GCGCTGCCGTTGTTTTGCGCCTGTTCGGCAAATTTCGCCAGTATGTTTTCCGGCAGGTTT TGGCGCATAACGGGGATGGCGGTTTCGGGCAGGATGACGATGTCGGCGGTGGTTTTGCCG ACTTGTTCGTAATATTTCTGTATGGTCGGGATAACTTGGTCTTCACGCCATTTGAGGGTT TGGTCGATGTTGCCTTGAAGCAGGGCGACGGTGCTGCGGCTGCCGTCGGGGCGGGTGAAG TCGGTTTGTCGGGCGGTGTAGCCTGCGGCAAGCAGGGCGGCAATCAGGATAATCGGAAGC GCGGTTGCCAGTGTAACCATGTGGATGCCGCCCAATGGGGCAAAGCCGGCGAGCGGGCTG TCCGGGGTGATTTGGGAGTAGCCGATTGCGCCCCAGCCGAATCCGGTCAGGAAACGTTCG CGGGCAAACTCGGTCAGCGTCCACAGGATGGGCAGTACCAAACCGATTTTTATGCCCCGA GGCAGGGTAAATTTTTTCCACAGCCAGAAACACAGTGCCGGATAAAGGGCAAGGTAGGCG GGGAGTAGGAAGGTCAGCGGTACGGCATAGAGGTCGGGCAGGCCGGAAACGTCGTGCAGG GCGGTGTGTATCCAGTAGAACTGTGTCGTGTATGCGGTCAGGCCGAACAGGTAGGCGGAA GAGACAGCAAAACGCGGACGCAGTTCGATGAGGCGGACGAAGGCACCGAAAATCAAGGGC ATCAGCCAAAAGTGGTAGTAGGGTGCGAAGGTAAAGGGGGTGGCGGCGAAAAAGGATG AGCAAAGGCCAGTAGAGGGCGGGGTGCTGCCAGTATTTGTCCAGTTTGGAAACCATATTC ATCTGTCTGTTCGGAAGATACCGTCTGAACATCTTTCAAACGGCATCGGTATTTGAAAAA GGAATCAATGCCTGCCGAAACGATTCATCAGCGGCAAGGCGGGGGGGCGCAGGCAATCGAAC GCGCGTGCAGGAAATCGTGCAGAAGGCCGAGGTTGTGGGCGACCAGTACGCCGCCGATAA GAAACATGGCAAGCGTGCCGACCACGCTCAAACCGCGCATAAAGCAAGGCATAAAGGCAG . TCAGCATTTGCCCCAAACTGCGCGAAAAGGTTTGTGGGCGGCGCATCAGCAGCATGCCTA AGTCGTCGAGTTTGACGATGACGGCAACGATTCCGTACACCAAAACAGTCATGCCGATGC

CGATTGCCGCCATTACGAGCATGCGCGTCATGTCGGTGCAGAAACTTGTGCAGCAGCTTT TCTACGCCTTCAAAGCACAGATAAATGCCGCCTGCCGTCAAAAGCGGCGTAATGAGTTGC GGCAGGAAGGCGGAAAGCAGCAGGGCCGCAGGCACCAAAACCGGCTTGTTGGAAAAAAGAA CCTTTCGCCATCGACCAAACAATCGGCAACTCGCGTTCTGCCGATACGCCCGTAACCCGG TTGGCATTGGGTGCCAAATCGTCGCCGACCACGCCGGCGGTTTTCTTTGCGGCGGCTTTG GTCATCAGGGCAACATCGTCCAAAACGGCGGTGATGTCGTCCGGCAGGGTAAATAGTGAG GCAAATGCCATTAAAGAATCCTGAAATGCGGCGCAAAGTCCGACATTATATAGGAGAACG CGGATTTGGGCGGTTTCAGGCGGCATGAAACAGGAAAATGCCGTCTGAACGCTGTGGCGG ACGTGAAGTAAAGTTTCGTGAAAAGAAAATACCGTGTTACAGTCTTTCGATTTTAATTTC ATGAATTTTAAGGGAGAATCGTTAGCGTGGATTGGATGGGCAGTCTGTTCCTGCCGGGTG GCGCACTGTTGTTTCTGAGCGTGGTTTCGACCACTTTGTCCGCACGTTTGGGAATGCCTT TGCTGCTGGTTTCTCCTGCCAACGTGTTGGACAGGGCGGCGGAAGCCTTGGCGATTGCGG CGTTCCTGATGCTGGTCGCGCGTCCGTCGGCAGTGTTCGGCGGTTTGTGGAAATTCAATT ACAGCCTGCGTGAAAAGGCGTATAGCCGAATAGAAATGCAGTCCGACACCGTGCTTCAGG CGGGGATTTGGCGTGGTACATCCTGCCCGACGCCAAGGTCGATATAGTGAATTAACAAAA ATCAGGACAAGGCGGCGAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTG CTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTT AAATTTAGTTCACTATAAAATGGCGAAATACTTTACCGAGACGGGTATTAGCGTCCGTGA GCATTTTGATTTCTTCGGTGAGTTTGTCGTTTCGCCGGCAGCACGTTCGGGTGATTTGGC ACTTACTTACGGTTTGAGGCTGGAAGCGGGCGAAGAGGGTTTGAGCCTTGCCGAGCTTTT CGATAAGCGTTCCGATAGTCAGGAGCCGGTCGAGGGCGGCCGTATTGACATCGGCGGCTT TATGCTGACCGCAAAGGAGGTTGACGGTGGCGGCAATATCGGGTCTATGGGGCTGAAAGT GCTGCGTTAGAAAGGTTTGATTTGAATGCCGTCTGAAGCCGGATTGCCGGTTTCAGACGG CATTTTGTCTGTTTAGTTTTTTTTGCTTTTTGCCTGTTTTACGTCTTTTTCGGTAACGCT TCCGCCGCCGTTGTCAAAGGCGTTCATGATATAAGTGGCGACGGCGGCAATGTCCGCATC GCTGATGGCGGTTGCGGGCATGAATCCGTTGTAGGTTTTGCCGTTGACTTTGATTGTACC GTTGATGCCTTTGACCATGCTGTGCAGCAGCACCTGCGGTTTTTTCATGATGAAGTCGGA GCGGTAGAGCGGCGAAACATGGTTCCGCGGCCTTCGCCCTTTTTGCCGTGGCAGGCGAC GCAGTTGGATTCGTACACTTTTTGCCCTTTTGTCATGATGCTGTTGTCGGCGGCAGAAGC GGCGGCGCAGAAGCCAGCCCAAGACGAGGGGGGTCGGCAGTCGGGTTGTTCATTGGTGT TTCCTTCATGTTTGAAACCTTGTTGTTGATTTTGCGTAGCGGGTGAAAGATTTTTTTGCC GAATCAGTAGTATAGTGGATTAACAAAAATCAGGATAAGGCGACGAAGCCGCAGACAGTA CAAATAGTACGGCAAGGCGAGGCAACGCCGTACTGGTTTAAATTTAATCCACTATAAGGT TGCACTTGATGTTGTTGTCCAGCATAGATGCCATCATACGCTAAAGTAGCGGGAAAATGC CGTCTGAACACGGCGTTCAGACGGCATTTTAGACATGGGTCAAACAGTTTCAACGCCAGC TGCCAAGGTTTTCTTCGGCAAGTGCGACGAGTGCATCTATCCAGTCGGGGTTGTCGTTGA GGCAGGGGATGTAGCGGTAGCTTTTGCCGCCTGCTTCATAAAACTGTTCCCGCCCCATCA GGGCGATTTCTTCCATGGTTTCCAAACAGTCTGCCAAAAAGCCCGGGCAAAATACGTCCA GCTCGGTTACCCCCTGTTTGGGCAGTTTGCCGAACAAATCCTGCGTGCTCGGTGTAACCC ATTTTGCCCTGCCGAATTGGCTTTGGAACGATACGACATATTGGTCTTCGGTCAGTTCCA GTGCTTCGGCAAGCAGTTTGGCGGTGTGGCGGCACTCGTCGGGATAGGGGTCGCCGAGGT CGTGGTGCTTCTGCGGTACGCCGTGAAAACTCAACATCAGTTTTTTCCCGCGCCCGTGTT CCGCCCAATATCGGAGGATGTGGTTTTTCATCGCATCAATGTAGCCGGTATCGTCATAAA AGCGCGAAACGGTGCGGACGCTCATTTGGTTCCGTTGCAGCAGTAATTGTTCGCACACCT TATCTACTGCCGCTCCGCTGCTGGAAGCGGCATATTGCGGGTACATCGGGATGACCAGCA GTCTGCCCGCGCCTTGCGCCTTCAGTTCCGACAATACGTCTGCCACCGAAGGATTGCCGT AGGTCATGGCGTGGCGGACGATGAGGTCGGGCATACGTTTGGCAAGCGCGGCAGCTTGGC GTGCTGTGTAAACTTCTAAGGGCGAACCTTCCTTAAACCAGATTTTTTCATAGGCGTGCG CGCTTTTTTTGGGGCGGAGCGTCAGTACCAGACCATGCAGAATGGGATACCACAGCCATT TGGGCAGTTCGACGACGCCGCCGGTCGGTCAGAAAGGACTTCAGATAAGGTCGTACCGCCT GCGCGGTCGGCGTCGGGCGTGCCGAGGTTCAACAGCAAAACGGCGGTACGGTTTTGTT GCGTATAGGAAAGGGAGGGTTCTGGAAAGAATGGAAGCATGATCGGTTTCTGAAAAATAG TGCGGGTAGGGTAAAGCGGCAAAATGCCGTCTGAAGCGGCTTCAGACGGCATTGCAGGGA ATCAGTCTGTGCCGCGTGCGCGGTTTTCGTGGAATCGCGCCTGCCAGTCGGCAAATTTGC CTTGTTCGACGGCTTCGCGCATTTCCGCCATAATGACTTGGTAGAAATGCAGATTGTGGA TGGTGTTCAACTGTGCGCCCAAGATTTCGCCGGTGCGGTGCAGATGGTGCAGGTAGGCGC GGCTGAAGTTTTGGCAGGCGTAGCAGGTGCAGCTTTCGTCTATCGGACGCTTGTCGAGCT CATTGCGGGTGGGCATCACGCAGTCGAACATATCGATGCCGTGTGCCACGCCGTACACGA GGTCTTCCGGCGTGCCTACGCCCATCAGGTAATGCGGCTTGTGTTCCGGCAGAATCGGAC CGACGGCGCGCAGCATACGGTACATTTCGGGCTTGGGTTCGCCGACGGACAAACCGCCGA CGGCAAGGCCGGGAAAATCAAACTGTTCCAAACCGCGCAGCGATTCTTCGCGCAAATCCT CATACATCGCGCCTTGCACGATGCCGAACAGCGCGTTCGGGTTTTTCAAATCTTCAAAGG ${\tt CTTTTTTGCTCCGTTCCGCCCAGCGCAGGCTCATTTGCAGCGATTTTCGCGCCTGTTCGC}$ GCGTCGCCTCGCCCGGCGTGCATTCGTCCAACTGCATCGCGATATCCGAGTTCAAAACCG TTTGGATTTTCATGGAAATTTCAGGCGATAAAAACAGCTTGTCGCCGTTAATCGGGCTTT TGAACGTACAGCCTTCTTCCGTCAGCTTGCGCATATCCGACAAAGAAAAAACCTGAAAAAC CGCCCGAGTCGGTCAGAATCGGTTTGTCCCAGCCGATAAAACCGTGCAGGCCGCCGAATT GCCCGATAACTTCCAAACCCGGACGCAGCCACAAATGATAAGTGTTGCCCAAAATAATTT GTGCCTTGATATCGTGCAGGTTTTGCGGGTTCATCGCCTTAACCGAACCGTAAGTACCGA CAGGCATAAATACCGGCGTTTCAATTTTGCCGTGGTTCAACTCCAGCGTGCCGCGTCGGG CGAGACCGTCTTTTTGTGTAAGGTAAATTTAAGCATAAGATTGAATGTCAGTTGGGCGA CAGGGGTCGAAATATATTTTAAAAGACGGCATTATAAATGATTTCCCACGGTTTTTCAGA -- CGACATCCCCAAATGTTGCCGCAATGTTGCATAAAGAAACGCACATACCTCTTGCAAAAA TTAAAACGACCCGATAAAATGCAAAAATTCTTTGAAGGCACGTAGCTCAGTTGGTTAGAG

CACCACCTTGACATGGTGGGGGTCGTTGGTTCGAATCCAATCGTGCCTACCAAATTCCCA TAACGGCATTTATGCCGTTATTTTTAATCTTTCGGAGCGTTTGATGTTGAATATTACCT TGCCGGACGGCTCAGTCCGCCAATACGAATCCCCCGTTACCGTGGCTCAAATTGCTGCGT CTATCGGTGCCGGTTTGGCGAAGGCGACGGTGGCAGGCAAGGGTAAACGGCAAATTGGTCG ATGCGTGCGACCCGATTGTTGAAGATTCTGCTGTTCAAATCATTACTCCGAAAGATCAGG AAGGCATCGAAATCATCCGCCATTCCTGCGCGCATCTTGTCGGGCATGCCGTCAAGCAAC TCTATCCTAATGCAAAAATGGTTATCGGCCCCGTCATTGAAGAGGGCTTTTATTACGACA TCGCCACGGAAAACCGTTTACACCGGAAGATGTTGCCGCCATTGAAGCGCGTATGAAAG **AATTGATTGCCCAAGACTATGATGTGGTCAAAATCATGACTCCGCGTGCGGAGGCGATTA AAATTTTTCAAGAGCGCGGCGAAGAATACAAACTGCGCCTGATTGACGATATGCCCGAAG** TGGAAGCGATGGGGATGTATCATCACCAGGAATATGTCGATATGTGCCGCGGCCCGCACG GCGGCGACAGCAATAATGAAATGCTGCAACGCATATACGGTACGGCTTGGGCGACAAAAG ACGAATTAAAAGCCTATATTCAACGTATCGAAGAAGCCGAAAAGCGCGACCACCGCAAAC TTGGCAAGCAATTGGATCTGTTCCACCTGCAAGACGAAGCGCCGGGCATGGTGTTTTGGC ATCCTAAAGGCTGGGCTTTGTGGCAAGTGATTGAACAGCATATGCGTAAAGAGCTGAACG CCGCCGGTTATAAAGAGGTCAAAACGCCTCAAATCATGGATAAAACCTTTTGGGAAAAAAT CCGGCCATTGGGACAACTACAAAGATAATATGTTCGTAACCAGTTCGGAAAAACGCGAAT ATGCGGTTAAACCGATGAACTGTCCGGGTCATGTTCAAATTTTTAACAACGGTTTGCGTT CGTATCGAGATTTGCCGATGCGTTTGGCGGAATTCGGTTCTTGCCACCGCAATGAGCCGA GCGGTGCGCTGCACGGTCTGATGCGGGTTCGCGGGTTTTGTGCAGGATGATGCGCATATTT TCTGTACCGAAGATCAAATCGTCAGCGAGGCTCGTGCGTTCAATGAATTGTTGATTCGCA TCTACAAACAGTTCGGTTTCCATGATGTATCCGTCAAGCTTTCTCTTCGCCCTGAAAAAC GCGCAGGTTCAGATGACGTGTGGGATAAGGCAGAGCAGGGTTTGCGCGAGGCATTGACTG CCTGCGGCGTGGAATGGGGCGAATTGCCGGGCGAGGGTGCGTTTTACGGGCCTAAAATCG AATATCATGTCAGAGATGCCTTGGGTCGTTCTTGGCAATGCGGTACATTACAACTGGATT TCGTATTGCCGGAGCGTTTGAATGCCGAATATGTAACTGAAAACAACGACCGTGCGCGTC CTGTTATGTTGCATCGCGCCATTTTAGGTTCTTTGGAGCGGTTTATCGGCATTCTGATTG AGAACCATGCAGGCTCATTCCCGTTATGGTTGGCTCCGGTTCAATTGGTAATTATGAATA TTACCGAAAATCAGGCAGATTATTGTCGGGAAGTGGCTGCCAAATTGCAGGCGGCAGGAT TCCGCGCCGAGTTGGATTTGCGTAACGAAAAATCGGTTACAAAATCCGCGACAACAGCC **AATACCGTTTCCCTTATCAAATCGTTGTCGGCGATAAGGAGAAGCAGGAAAACAAAGTGG** CGGTACGCCGCAAAGCAGAAGATTTGGGTTCTTTGGATTTGGATGATTTCATTGCGCAAT TGCAGCAAGAAATCACTGATGCCCTCGTCAATCATTAATTTTTATAGGAGTATTCATCAT CGCTCAAGAACGCGAAGCACGAATCAACGGCGAAATTACCGCCAAAGAAGTGCGTTTAAT CAGTGAGTCAGGCGAACAGCTTGGTGTCGTTTCAGTTCGTGAAGCTTTGGCTATGGCCGA AGGGCAGGATGTCGATTTGGTAGAGATTTCCCCAACTGCTAAACCGCCTGTGTGCAAACT **GATGGATTACGGTAAATACAAATACCAGCAGGCCAAGAAACGCGACGAAGCCAAGAAAAA** TCAAATCAAGATGCGCAACATTAACCGCTTCCTTGCCGACGGCGATAAAGTCAAAGTGAC ATTGCGTTTCCGCGGCCGTGAAATGGCTCACCAGCAACTCGGCGCGCAACTTTTGGAACG TGTAAAAGAAGATTTGGCTGAAGTGGCGCAAATCGAGTCCTTTCCCAAAATGGAAGGTCG CCAAATGGTGATGATGCGCCGAAGAAAAAATAAAGCTATAATTCTCCGCTTACTCC GATTGCCGCTTCGGAGTAAGTTTTCAATTGCGGCAAAAAACCGTGTCATTGTGGGTTCAA GTGTTTGAAACCGATGTTTTAAAACCCCCTAATGCCTTATCCGATAACGAATGGAGTTTT CCCATGCCTAAAATGAAAACCAAGTCTAGCGCGAAAAAACGCTTTAAAGTACTGGGTAAC GGCGGTGTGAAACGCCCCCAAACGCCACATCTTGACTAAAAAGACCACCAAA AACAAACGCCAACTGCGCGGTACCTCTATGGTAAATGATCGCGATTTGGCTTCTGTTGCT AAAATGTTACCCTACGCTTAAGGAGTTTAGAATATGCCACGCGTAAAACGCGGTGTTACC GCTCGTGCCCGTCACCAAAAAATCTTCGCGTTAGCCAAAGGCTACCGCGGCCGTCGTAAA AACGTTTACCGCGTTGCCAAGCAGGCGGTAATGAAAGCCGGTCAATACGCGTACCGTGAC CGCCGCCAACGCAAACGCCAATTCCGTCAATTGTGGATTGTCCGTATCAATGCAGGTACG CGTGAAAACGGGTTGTCTTACAGCAAATTTATGAACGGTCTGAAACGCGCCTCTATTGAA ATCGACCGCAAAGTATTGGCTGATTTGGCCGTGTTCGATAAAGCCGCTTTTGCACAATTG GTTGAAAAAGCCAAAGCTGCTTTGGCTGCTTAATCCAAAAAATTGAAAAGGAAGCTGCGG CTTCCTTTTTCTTTGCAGAAATTCTATGTGATTGATTTTCTTTTAAAGTCTA TTTTTTTAAATAAATTTGCGTTAAAATATAGTGGATTAAATTTAAATCAGGACAAGGCGA CGAAGCCGCAGACAGTACAGATAGTACGGCAAGGCGAGGCAACGCCGTACTGGTTTAAAT TTAATCCACTATACAGAAAATTTATCCAATGGATTGACCGTGAAGAAAATAAGGTCGTCT GAAGAGTCTGATATGTCAGGCTATACAGGCGGCCTCGTTGTTTCAGGTGGTATATCATTA ATTGACAGACTTGATATTATGGAAAATGTAAACCGCATCGTTGCAGAAGGCATTGCCGCA GTAGAAGCTGCGCAAGACTTCAACGCTCTAGAACAAATCAAAGCCCGTTATCTTGGTAAA ACCGGCGAGTTGACCGGACTTCTGAAAACTTTGGGGCAAATGTCGCCTGAAGAGCGCAAA ACCATAGGTGCGCATATCAATGAATGCAAAAACCGGTTTCAGACGGCTTTTAATGCCAAA CGCGAAGCCCTCAACGAAGTCAAGCTGCAAGCCCGACTTGCCGCCGAAGCCCTCGATATT ACCCTGCCCGGACGCGCTCAGGAAGGCGGCAGCCTGCATCCCGTAACCCTGACCTTGCAA CGTGTGGTCGAACTCTTTCACGGAATGGGTTTCGAAGTGGCGGACGGGCCTGAAATCGAA GACGATTTTCACAATTTCCAAGCCCTGAACATCCCTGCAAACCATCCTGCCCGTGCGATG CAGGATACGTTTACGTTGAAAACGGCGATGTTTTGCGTACGCACACTTCCCCGATTCAA ATCCGCTATATGCTCGATAAAAAAGAGCCGCCCATCCGCATTATCGCCCCCGGCCGCGTT TACCGTGTGGACAGCGATGCCACGCACTCGCCTATGTTCCATCAGGCGGAAGGTTTGTGG GTAGAAGAGGGCGTAACTTTTGCCGACTTAAAAGCAGTGTTCACGGATTTTATCCGTCGC .CCGTCTGCCGAAATCGACATTATGGGCGAAAACGGCAAATGGCTGGAAGTAGGCGGTTGC GGTATGGTACATCCTAACGTGTTGAAAAACGTCAATATCGACCCTGAAAAATATACCGGT TTCGCCTTTGGTATTGGTCTCGACCGCTTCGCTATGCTGCGTTACAACGTGAACGACTTG CGCCTGTTCTTCGATAATGATTTGAACTTTTTGAAGCAGTTTGCGAAATGATCGTGCAGA CTGCCTGAATATGGAAAAGCAGCCTACTCTTGGTTTTCAGGCTGCTTAGGAAAATTCAAA **TGTAAGATATAAAACATTTGATATTTTGTTGTGAAATTACATTCCTAATTTTGTTTAAAG AGGCATAATTTATTGCTTTGTAGAGATTATATAGTTAATTTGGGTTTGGTTCTATGATGA** TAGGGGCTTCTTTGTTTTCGAGTGCAGGGATTGCAGAAACCTACTTGCATAATGCGGGTA TTAAGATTATAGCTGCAAATGAATTGGTGCCAGAACGTGCTAATTTATATAAAGCTCTAT ATCCCGAAAGTAAAATGATTATAGGTGATATACTTCATGAGGAAGTGTTTCAAAATTTAA TACAGAGCGTGCCGAATCGATTAGATTTTTTAATTGCTTCTCCTCCTTGTCAAGGCATGA GTGTTGCAGGGAAAAATCGTAACATTCAAGAGATGGCTAATGATAAACGTAATCATTTAA TTCCATTTTTTTAAAAATTAAGTTACCTTATAAGGGGACATTACAAACAGTAGAAGTAA TTTTGCAAGATTTATTTGGTTGCGAATATTATATTCAAACTCATATTTTTGATTCTGCCG ATTATGGTGTTGCACAACATCGTAAACGAGCTATTATTCGTATGAATAAACATTCAACTA TTTGGGGAATGCCGGAAAAGTTACAAAAACCATTTCTGTTCGTGATGCTATTAGTTTTT TGCCTAGTATTGAGTCTGGACAAAAGTCTAATGTGAAATGGCATTTTGCACGTACACATG CTCCGGAGCACATTATATGGCTAAAAAATACGCCAACAGGACGATCTGCTTTTGATAATA TAGAACATTATCCAAAGAAAAAAATGGTGAAAAAATTAAAAGTTATAATACAACTTATC GCCGTATGGAGTGGGATGCTCCTGCCCCAACTATTACTATTCGTAATGACGCTATCAGTT CACAATTAAATGTTCATCCTGGACGGTCTATGCCTGATGGAACATATTCAGATGCAAGAG ACGATACATCAGAATTATTAATTCGGCAATGTATTGGTGAATCTATTCCTCCATTGTTAA TTAAAAAAATTGTAGAGAGAATAGGAAAATAGATATGACAACTGCGCGCTGGGTAATAGA TANACATTTACAGAATTTTCATATTTTATGTAAATTTGCAGGTATTTTGAAAACAAATTC TTTTATATCTGTAGAGGATAAAGCTAAGTTATCTGAAAAATTGGAAAAACTAGATTTATA CCATAGACGAAATACAGGTAAATCATTGGATGCTACTCATAAAATAAAAGAATTATC ATTCTATATGTTTGGTTATCGTGATGTGTGTGGGCAAGTTACACAGAAATTCCTGTTCAG TCCATTGGGTAATTTATTTTTGAAACACTTGGATAATAATGAATATATTCAAAAAATTTT TCTTACTATGTTGTGGGCGATACCATTTCCTCATCCGTACATTAAGACTGATGAAAGTAT TCAATTATATCCCATGAGACTAATATTTAAGTTGTTATCTGATGAAAGATTGGATTGTAA **ACTATTTTCTTATGAATATATCTATTTAATTTCATTTGTGAAATCTGCTGATCAGAATAG** CTATGAAAAATTAGTACAAGACATTTTGGTGTTACGAACATGTGCTGAAGTAAAAATTAA ACATCAATTAACTGCGGAAAATAGTCGTAGTCATGCTTATGTAAATGCAGCACATGAGTG **GGAATCTTATTTTCAAAAACATTGACTGATGCAGGTGTTTTGCAAAAAACAGATGGTAA AATTATTTGCCGTCTAAAGCATGGTAAGACCGAAACATATCGTAAAGTAACATCAAGTGA** GTTTTCGATTCCTAAGCAACTTCAGGAATTTGTGAAAAAATTGCAAAGTGCTTATTCGTT TTCAGAAATGCCATTAAATCTGAACGATAGTGATCGTTTGAAAATTGATGTCATTAAGGA AATTTATAGCTTCTATCCAAAAGAGTTATTGGAGGAAATTGGTGAGCTTAAGGATGAAGC **AGCATATGAATTATTGCACTTACCTAGGTTGATGAACAATATGCAGATAATAATAATGG** AACAGAGGCATATCTATTTGAAGATGTTCTAGAAATGGGGTTCAATATGTTTTATAACGT AGAAGCTAAAAAATTGGTGGACCAGGTAATACGGATTTAGAGTGCTTATATATTACGCA AAAGAGAAAATTTGCAGTGGAGGCAAAATCAACTAAAAATAAGTTATCAGGTATTAATTC **AGGAAGATTGGAAGATCATAAAAATAAAATTAAGGCCATTTACACAATTGTTGTCACACC ACGTTATGTCCCTGCCGTATTATCCGATATTCGTAATTGCCCAATTGTAATTATTCGTGC** CAATACATTTGCTGAATTTTTATATAATTGTTTGATTAATCGCTCCAGTATTCCAGAGAT TGATTATCGGTATTTTGATGAAATTATTATTAAAAATCTTGGAAAAGATATTAGTTCAGA AATTTCCAATTTGACTATGCAACAGTTTGCAAGTAACACCACAATGGAAGCGTATAGTAC ATGATAACTATTTCAAATGAAGATAACATGATCTTAATGTCTCGGTATCCTGACAAGTAT TTTGATTTGGCAATTGTAGATCCTCCTTATGGGATTTTGAATAAAACTAAACGTGGTGGT GATTATAAATTCAATATGAATGAATACTCACAATGGGATATTAAGCCAGACCAAACTTAC TTTAATGAATTATTTCGCGTGTCAAAAAATCAAATTATTTGGGGTGGGAATTATTTTGGC GAGACATTAAATAATTTTTCTATGGCGGAAATGGCTTGGTCGTCATTCGATAGGCCATCT AAAATTTTCCGGTTTAGTGTGCGGAAAAATCGTAATAAAACTCACCCAACACAAAAAACCA GTCGAATTATATCAGTGGTTGTTAAAAATGTATGCAAAGCAGGGTGATAAGATTTTAGAT ACACATTTAGGAAGTGGAACTCTTGCTATTGCATGCTGCATTGCACAGTTTGATTTGACA CCTGAAGCTAGAATCAGTTTTGGGCATCCAGGTTATTGTATTATTGAATAACTTAAAAAAT ATAGAGAAATTAACCATGCAATTCTCCTACTCATGGCTGAAAACCCAAGCCGATACCGAA CTTTCCTCCGATAAGCTGGAACATCTGTTAACGATGTCCGGCTTGGAAGTGGAAGAGGCT GAAACTGCCGCCTGCGTTTGCGGGCGTGGTGATTGCCGAAGTGAAAATCCGTTGAAAAA CAGATTGTGTGCGGTGCGCCGAATGTGAAAGCGGGCATCAAAGTGCCGTGTTCGCTGCCG GGTGCCGTTTTGCCGGGTAATTTCAAAATCAAGCCGACCAAAATGCGCGGCGAGGTGTCG GACGGGATGTTGTGTTCCACCGACGACTCGGTCTGCCCGACGACGGTGTGAACGGCCTG CACATTCTGCCTGAAGATGCGCCCGTCGGTACCAATATCCGCGAATACTTGGATTTGGAC GATACGCTGTTTACGTTGAAAATTACGCCTAACCGCGCCGACTGCTTGAGCATCAAAGGC ATTGCGCGCGAAGTGTCCGCATTGACGGGGTGCGCGTTCAGGCAGCCCGAAATCCATACC GCGCCGATCACGGGCAGTCGAAAACAGCCCGTGCAGATTAACGCGCCTGCCGATTGCGGC AAACAACGTTTGGAGCGCAGCGCATCCGCAGTATTTCCGCGCTGGTGGACATCGGCAAT TATGTGATGCTGGAAATCGGTCAGCCGATGCACGTTTTTGATGCCGACAAACTTTCCGGC AGCCTGCACATCCGCCGCGCGCGCGAAGGGGAAACGCTGGAATGCCTGAACGAGAAAACC . GTTTCCCTGTCTGAAAACACGCTGGTCGTGGCGGACGAAAAAGGCGTGTTGAGTTTGGCG

GCGGCTTGGTTTGCGCCCGAAATCATCGCCGGCAAATCGCGCCCAATACGGTTTCGGTTCG GATTCGTCGTTCCGCTTCGAGCGCGGCGTGGATTACCGTTTGCAGGCGGATGCCATTGAA CGTGCTACCGAATTGGTGTTGCAGATTTGCGGTGGTGCGGCAGGCGAGATGGTGGAAGCG CAAGGCGAATTGCCTGAAGCGAAGCAGGTTGGATTGCGTTTGGACCGTCTGAAAACCGTG TTGGGCGTGGACATTCCTGCCGAACAGGTGGAAACCATTTTGCAACACTTGGGCCTGCAG CCCGAGAAAACGGCGGAAGGCTTCCGCGTTACCGCGCCGAGCTTCCGTTTTGACATCGAA ATTGAGGCTGATTTGATTGAAGAAATCGGACGCGTTTACGGCTATGAAAACATCCCCGAC GATTACACGTCAGGCCGTCTGAAAATGCTGGAACTGCCCGAAACACGCCGCCGCGTTTT GCCGTTTACAACGAAATGGCGGCTCGCGGTTACCGCGAAGTGGTCAGCTATGCCTTCGTT GACGAGCAGTGGGAACAAGATTTTGCCGCCAACGCCGACCCCATCCGCCTGCAAAACCCG $\tt CTGGCGGCGCAGTATGCCGTGATGCGTTCCACGCTCATCGGCGGCTTGGTGGAAATTCTG$ CAAAACAATCTGAACCGCAAACAAAACCGCGTGTGCGTGTTTGAAATCGCCCGCGTGTTC AGCAAAGGTTCAGACGGCCAGTTTGTCCAAAACGAACGCATCGGCGGATTGTGGTACGGC GCGGTCATGCCGGAACAATGGGGCGGGAAAACGCGCAATGCGGATTTTTACGACATCAAG GCGGACGTGGAAAATCTGTTGAAAAACAAAGCAGTCGAGTTCGTTAAAACCGGACATCCC GCCCTGCATCCCGGACGTGCCGCCAATATCGTTTCAGACGGCAAAGTCATCGGCTTTGTC GGCGAACTGCATCCGAAATGGCTGCAAAAATACGACCTGCCGCAAGCGCCGCTGGTATTT GAAATCGATATGGCGGCCGTGTTGGAATGCGGGAAAACGCGCTATCGGGTCGTATCGAAA TTCCAGCCGGTGCGCCGCGATTTGGCGTTTGTGATGCCGGAAGCTATGAGCCATGATGAT TTGCTGCTTGTCTTGAAAGGCGCGGCAAACAAGTTGGTACAGGAAATCAGCGTGTTTGAC GTGTATCGCGGCACGGGACTGCCCGAAGGGATGAAGAGCGTGGCGGTCAAAGTGATTTTG CAGGATATGGAAAACACGCTGACGGATGAGGCAGTCGAGCCGCTTATCGGAAAACTGATT TTTAAATAAAAATTGGTAATAATCCACAACTGTTACAACAGAAGGTAATCATATGACTCT CACTAAAGCAGAACTGGCCGATATTTTGGTAGACAAAGTCAGCAACGTCACCAAAAACGA TGCCAAAGAAATCGTCGAACTCTTTTTTGAAGAAATCCGCAGCACTTTGGCAAGCGGCGA AGAAATCAAAATTTCCGGTTTCGGAAATTTCCAGTTGCGCGACAAGCCGCAACGCCCGGG AGGTTCCCGCAAAACGCTATTTCACGCTGGACGAGTTGTGCGGACTGTTGCAAATCAGCC CCTATGGTTTTGCGCAATGGCAGCATGATCACGGTGTGGTTGTCGGTTACGGCGGCGAAC GCTACACCCGTTTGGATGTGGTGAAACTGTTGAAATTGCAGAGCACGTTTGCACCGTATG CAGAAGGTGCGGAATCGGGTTCGGACGGCAACCGTCCGGTTACGCTTCAGGAAATCGGAG ACGCTCTGAAAGACCTGTTGGCGGATTTGGATAAGGAATTGTGCTGATTTGAGGCCGGTT GCAGGTATGCAGCCGGTTTTGTTTTACACGCTAAAAAATAATTATAGTGGATTAACAAAA ATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGT GCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCTGTACTGGTT TTTGTTAATCCACTATATTGCGTGATTTCACATTGTTTCGGCTTGAAGCACATGGTTTTG TAATCATTTACAGGCAGCTCGCTTGGAGTCCTGTTCGGGCGGTTTGCTGTTTACTTAAAT ATAAGGATGACGGTCAATGAGATTTTTCGGTATCGGTTTTTTGGTGCTGCTGTTTTTGGA GATTATGTCGATTGTGTGGGTTGCCGATTGGCTGGGCGGCGGCTGGACGTTGTTTTTGAT GGCGGCAGGTTTTGCCGCCGGCGTGCTGATGCTCAGGCATACGGGGCTGTCCGGTCTTTT TATCCGTTATACGGTGGCGGCTGTGTGTCTGATGAGTCCGGGATTCGTATCCTCGGTGTT **AAATTTTTTCAACATGAACCAATCGGGCAGAAAAGAGGGGCTTTTCCCGCGATGACGATAT** TATCGAGGGAGAATATACGGTTGAAGAGCCTTACGGCGGCAATCGTTCCCGAAACGCCAT CGAACACAAAAAAGACGAATAAATATGAATGGAATGCCGTCTGAAGGTTCAGACGGCATT TTTCCGGTTTGAAAATATAGTAGATTAACAAAAACCAGTACGGCGTTACCTCGCCTTAGC TCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTG TACTGTCTGCGGCTTCGTTGCCTTGTCCTGATTTTTGTTAATCCACTATAAAATAGGGCT GTAACCTTCAATCGGAATTTGTTGCCTGCGGGATATACGGTATGAATGTTTGGTATATAT GGGACAGGATGGTGGAAATCTATCATAAGTATAAGAAGCCGTGCCTGGTTTTGGCGGTGG ATTTTGTGATGGGTATGGTATTCATAGAGCCGAATGAGGAGCCGTGCATCGGTAGGTGCT ATGCGCCTATGTCGGAGTCCCCTGATTTTGCTAACGCTGTTGCGATGGCTGTTGCTATGA TCTGTATCGTATGGATTGCCGTTTTATAGTGGATTAAATTTAAACCAGTACGGCGTTACC TCGCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTTGCCTTGTCCTGATTTTTGTTA **ATCCACTATATCTATGACTGATTGAAGCGTTGGGCGGAGGCTGCGTGAAACGGTATTGGG** CGTTGGGCCGTCTGATTCCAATCGGGCTTGGGGAATGCGAAACGGTGTGCGCTTATACTG ${\tt CGGACGATTTGTTTCGCGGTTTTGCGCCCGAAACGGATGGAGAGGTGTGGGAAACGGTCT}$ GTCGGAGTAGAATACGCGTTTTGCGTTTGAATACAGTAAGAAGAAAAAGAGAGAAACTTAT GCCGTCTGAACATCAACACATATCATCATTGCTTGATTTCGACCGTACCCATCTGCTTCA TCCCTATACTTCCATGACCGATCCGCTGCCCGTTTATCCTGTCAAACGTGCAGAAGGGGT GTTTATCGAATTGGCGGACGCACGCGGCTGATTGACGGGATGTCCTCCTGGTGGTGTGC GATACACGGCTACAATCATCCTGTTTTGAATCAGGCGGTTGAGACGCAGATGAAACAAAT GGCGCACGTGATGTTCGGTGGTTTGACGCACGAGCCAGCGGTGGAGCTGGGCAAGTTGTT GGTCGGGATTTTGCCGCAGGGGCTGAACCGTATTTTTTATGCGGATTCGGGTTCGATTTC GGTGGAAGTTGCGCTGAAGATGGCAGTGCAATACCAGCAGGCGCGCGGTTTGACGGCGAA GCAGAATATCGCGACGGTGCGCCGCGGGTATCACGGCGATACTTGGAACGCGATGTCCGT CTGCGATCCGGAAACGGGGATGCACCATATTTTCGGCAGCGCTTGCCGCAGCGTTATTT TGTCGATAATCCGAAAAGCCGTTTCGACGATGAATGGGACGGGCCGGATTTGCAGCCTGT CCGCGCCTTATTTGAAGTGCATCATGCGGATATTGCCGCCTTTATTTTAGAGCCGGTCGT GCAGGGCGCGGCGCATGTATTTTTATCATCCGCAGTATCTTCGCGGATTGCACGATTT GTGCGACGAATTTGATATCATGCTGATTTTTGACGAAATCGCCACTGGATTCGGGCGCAC GGGCAAGATGTTTGCCTGCGAACACGCGGAGGTCGTGCCGGATATTATGTGTATTGGCAA

GGGTTTGAGCGGCGGCTATATGACGCTGGCGGCAGCAATCACTTCGCAAAAAGTTACCGA AACGATTTCGCGCGGCGAAGCGGCGTGTTTATGCACGGCCCGACGTTTATGGCAAACCC GCTGGCGTGTGCCGTTGCCTTCGGTCAAACTGCTTTTGTCTCAAGACTGGCAGGC AAATATCCGCCGCATTGAAAGCATCTTAAAAGGCCGTCTGAAAGCCGCGTGGGACATTCG CGGCGTGAAAGACGTGCGCGTTTTAGGTGCCATCGGGGTGATCGAGCTGGAAAAAGGCGT GGATATGGCGCGTTTTCAAGCGGACTGCGTGGCGCAGGGCATTTGGGTGCGCCCGTTCGG CAGGCTGGTGTATCTGATGCCGCCCTATATCATTTCAGACGGCGTTTTGACCAAACTTGC CGACAAAACCGTGCAAATCTTGAAGGAACACAGCAAATGAAAGGCGTTTACTTCGTCAGC GGCATAGACACGGACATCGGCAAAACCGTCGCCACCGGCGTGTTGGCAAAACAATTGTTG CAGCAGGGCAAAAGCGTGATTACGCAAAAGCCCGTGCAAACCGGTTGCCAAAACATTGCC GACGACATCGCCGTCCACCGCAAAATTATGGGCATACCGATGCAGGAAGCCGACAAACGG CGGCTGACTATGCCCGAAATCTTCAGCTATCCCGCTTCGCCTCACCTCGCCGCCCGACTG GATGGCAGGGCTTTGGACTTGGACAAAATCCGCACCGCCACACAAGAATTGGCGGCGCAG TACGAAGTCGTTTTGGTCGAAGGCGCGGCGGATTGATGGTTCCGCTGACGGAAAACCTG TTAACCATTGATTATATCCGTCAGCAAGGCTATCCCGTCATCCTCGTTACCAGCGGACGG CTCGGCAGTATCAACCACACTTTACTCAGTTTCGCCGCGCTCAAACAATACGGCATTCGC TTGCACAGCCTCGTGTTCAACCACATCCACGACAGCCGCGACGCACACATCGCCCAAGAC TTGGCAAAAACAGACGCGGTATAAAGATTGGGAAAAATATGGAACACCTATTTGGGAAAT GGCTGCCCGACTTGCCCGCCGCCATTTCAGACGGCATCAGCCTGCCGATGGTGCGGCTGC TGCACACCCGGTCGCTGACCGCCGCATTGCGCGCCTTGCCGCATACATTTTCGGTGGAAC TGAAGCTGGACCGTATCCCTGTTGTTGAGGCAAGGAGCGAATGCCGTATCGGTTCGGCGT TTTGGCAAAACATTTTGGACTGCGGCACGCGTCCTTTGGGCGAGCGTCTGTTTCAAGCCG ATTTGGAAGGGGCGCGTTCGGCGTTTGAGTTTGCCGTTGCCGGCGAAGGATGCGGACGGT ACTTTGCCGCGCGCGTTCTCGGTTTTCCCGTCACGGCGAGGAAATGCTGCTGACCGAGT ATTTTCTGCCCGAACTGAAACGTTTTATCGGATAAAATACCGTTTTTTCAAGCTGCGCGG CAATATGAATCCTAAATCCCCTTTATTTTTACGCCTGTCCGACCGTTTGGATGTGTACCT GCGCCTGATGCGGCGGACAAGCCCATTGGGACGCTGCTTTTACTGTGGCCGACCTACTG GGCATTGTGGCTGGCTTCAGACGGCATTCCCGATTTGGCGGTATTGGCGGCGTTTACAAT CGGCACGTTTTTAATGCGCAGTGCCGGCTGCGTCATCAACGACTTTGCCGACCGCGATTT TGACGGTGCTGTCGAGCGTACAAAAAACCGTCCGTTCGCACAGGGCAGGGTCAAGAAAAA AGAAGCGCTGCTGACGGCATTTTTGTGCCTGCTTGCCGCATTGTGCCTGATTCCGCT GAATCATCTGACTTGGCTGATGAGCCTGCCCGCGCTGTTTCTTGCGCTGACTTACCCGTT TACCAAACGTTTTTTTCCGATTCCCCAACTCTATCTCGGGCTTGCCTTTTCCTTCGGTAT CCCGATGGCGTTTGCCGCGTTGCCGGAAACGTGCCGCCTCAAGCGTGGATACTCTTTGC CGCCAATGTGTTATGGACTCTGGCGTATGACACGGTTTATGCAATGGCGGACAAAGAAGA CGATTTGAAAATCGGCATCAAAACCTCCGCCGTCACGTTCGGGCGTTACGACATCGCCGC CGTTATGCTGTCACGGAGGCTTTACCCTGCTGATGGCAGTATTGGGTGCGGTTATCGG TGCGGCATGGGCATATTGGACGGCAATCCCCATCGTCCTGCTGCTGCAATACCGCCAATA TGCCGCCATCAAAAGCCGCGTCCGGCAAATCTGTTTTGAAACGTTTTTGGCAAACAACAG AATTGGTTGGGTGTGGTTTACCGCCATTTTTGCCCATACGTTTTTCGCGAAATAAGGCAG GGCAATGCCGTCTGAAGAGCCGTAAACTGCTTTGGACGGCATTTCTATCTGTGCCGAAAA GCGTTAAAATATGTTTTTAAAACGCTGTGTTATGTCAGCCCGTACCGTATGCGGGATTGA GATTTGCCCCGGCAGTCGGTACAATCTTTCTGTTTTGCGATGTCTGAAAAGAGAAGCTTA TGAGCCTTATCGGCGAAATTTTGCCTTTGTCCCATATTGTTTTTGGATATGGAGGTAGGCA GTAAAAAAAGGCTGTTTGAGGAAGCAGGCCTGCTTTTGGAACGCGAATCCTCATTGTCCC ATGCTGATGTTTTCGAATGTCTTTTTGCCCGTGAAAAACTCGGTTCGACCGGTTTGGGGC AGGGCGTTGCCATCCCGCACGGCCGTCATGCCGGCGTGAAGCAGGCGACGGGCGCGTTCA TCCGCACGCGCAACCCGTCGGATTTGACGCACCGGACGGCAAGCCGGTTTCCCTGATTT TTATCTTGCTGGTTCCGGAAAACGCAACCGGCGAGCATTTGGAAGTCTTATCCAAACTGG CCGGCAAGTTTTCCCAAAAAAGCATCAGAGAATCGCTGATGACGGTTTCCTCTGCGGAAG GATGACAACCAATACAAACTGCAACTCGCTTGGGCCGCCGGCAATTCGGGTGCGGACAAC CGTATCGGCGTAGAGGCGGACAAGCCCGTCCTCGCCCTAGTCGGACACCTGAATTTCATT CATCCCAACCAAATCCAAGTGGTCGGTTTGGCAGAGTCGGAATATCTGAACCGCCTCGAA TCGGGGGAAACGGGTTATCAGTTTGGCGACCTGTTCGATATTTCTATGTCTTTGGTTATT GTGGCAAACGGCTTGCCGGTTTCCCCGGGACTGCGCGACTATTGTCATAAAAACGATATT CCACTGCTGACTTCCAAACTCGAAAGCCCCTATCTGATGGACGTGTTGCGGATTTACCTG CAACGCACCTTGGCGGCATCGTCCGTCAAACACGGCGTATTTCTCGATGTTTTGAAATC GGCGTGCTGATTACCGGGCATTCCGGCCTGGGTAAGAGCGAATTGGCATTGGAACTGATT TCGCGCGCCACAGCCTGATTGCCGACGATGCGGTCGAGCTGTTCCGCATCGGCCCGGAA ACGCTGGAAGGGCGTTGTTCGCCTATGCTGCGCGATTTTTTTGGAAGTGCGCGGCTTGGGG ATACTCAATATCCGCCATATTTTCGGCGAAACTTCCATCCGCCCCAAAAAAATCCTGCAA CTCATTATCAATTTAGTCGAGGCGGACGACGAGTATATGAAGCAGCTTGACCGGTTGAGC ATCCGCACCGAAACCGAATCCATCCTCAACGTCAACGTCCGTTCGGTTACGCTGCCCGTC GCCGTCGGACGCAACCTCGCCGTTTTGGTTGAGGCGGCGGTACGCAATTACATTTTGCAG TTGCGCGGTAAGGACAGTACGCGCGAATTTTTGGAACGCCATCAGACGCAACTTAAAGAA AACGAACAACACAATGAAGATCGTCCTGATTAGCGGCCTGTCCGGTTCGGGCAAGTCCGT CGCACTGCGCCAAATGGAAGATTCGGGTTATTTCTGCGTGGACAATTTGCCTTTGGAAAT GTTGCCCGCGCTGGTGTCGTATCATATCGAACGTGCGGACGAAACCGAATTGGCGGTCAG CGTCGATGTGCGTTCCGGCATTGACATCGGACAGGCGCGGGAACAGATTGCCTCTCTGCG CAGACTGGGGCACAGGGTTGAAGTTTTGTTTGTCGAGGCGGAAGAAAGCGTGTTGGTCCG CCGGTTTTCCGAAACCAGGCGAGGACATCCTCTGAGCAATCAGGATATGACCTTGTTGGA **AAGCTTAAAGAAAGAACGGGAATGGCTGTTCCCGCTTAAAGAAATCGCCTATTGTATCGA**

CACTTCCAAGATGAATGCCCAACAGCTCCGCCATGCAGTCCGGCAGTGGCTGAAGGTCGA ACGTACCGGGCTGCTGGTGATTTTGGAGTCCTTCGGGTTCAAATACGGTGTGCCGAACAA CGCGGATTTTATGTTCGATATGCGCAGCCTGCCCAACCCGTATTACGATCCCGAGTTGAG GGAAATGGTTGACGACATCGAAAGGTTTGTTACGCATTGGTTACCGCGTTTGGAGGATGA AAGCAGGAGCTACGTTACCGTCGCCATCGGTTGCACGGGAGGACAGCACCGTTCGGTCTA TATTGTCGAAAAACTCGCCCGAAGGTTGAAAGGGCGTTATGAATTGCTGATACGGCACAG ACAGGCGCAAAACCTGTCAGACCGCTAATTCCGTCAAACCATTATGCCGTCTGAAACCCC TGGTTTCCCGGCCATATGAACAAGGCGAAAAAAGCCATCGCCGAGCGTGCAAAAAGCGTT GATATGGTGATTGAAATGCTGGACGCGCGTATGCCCGCCTCCAGCGAAAACCCCCTGCTT CCCGAGCGCACCAAAATCTGGCTCGAACACTATAACAGCCGCCCCGACACCTGCGCCATC GCCCTCGATTCCTCCGAAACAGGCGCACACGGCAAAATTACCCAAGCCTGTCGTGCCATG ATTCCCCACCGCCAAGGCATAGATAAACCCCTGCGCGTCCTCATCTGCGGCATCCCCAAC GTTGGCAAGTCCACCCTCATCAACGGCATGATAGGCAAAAAATCCGCCAAAACCGGCAAC GAACCCGGCATCACCAAAGCCGAACAACGCCTCTTCCTCGCCGATGACTTCTGGCTCTAC GACACCCCGGAATGCTATGGCCGAAAATCATCGTCGAAGAAGGCGGCTACAACCTTGCC GCCGGCGGCGCAGTCGGACGCAACGCGTTGGACGAAGAAGAAGTCGCCCTCGAACTTTTA GACTACCTCCGCCGCCACTACCTCCCTATGTTGCAAGAACGCTACCAAGCCGACAAAGAC CCCAGCAGCCACTGGGACGAAAACGTTTGGCTCGAATGGATAGCCAAAAAACGCGGCGCA GTCCTCAGCGGCGGACGGATCAACTACCAAAAAGCCGCCGAAAACATCCTCACCGACTTC CGTGAAGGCAAAATCGGCAGAATCACCCTCGAAACGCCGAACCAATGGGAAACTTGGCTC AAAAAAGCCCGTCAGAAAGAAGCCGAACTCAAAGCCATACGCGAAGCCAGAAAAGCAGAG CGTAAAGGGCAGAAGCTTCGGAAGCATAAAGAATGCCGTCTGAAAAATATTTTTCAGGCA GCTTCTCTACTCCAACCGATTTCAGACGGCATATCCAAACCCATGCCGTTTCAGCACG GATACCCGTATGACCGACAAAATTTCTCCCGACGCGCTGATTGAAGCCGCACTGCTGACC GACAAACTGATTGATGTGTTGGCGCAGTTGAAAACGCGTTGGCAGGATAGGGCGTTGCAA CTGGTGCATACGCAAGAGGGCTGGCGTTTTCAGATTGTTCAGACGGCATTCGAGCGGCTG ATTATCGCCTACCAGCAGCCCGTAACGCGCGCGACATCGAGGGCATACGCGGCGTGGCG GTGTCGCAGAACGTGATGCAGACTTGCAGGATCGGGGGTGGATTGAAGTCATCGGACATC GGGACACATTGGGAAAACCCGCATTGTGGGCGACAACGGCAACGTTCCTCAGCGATTTGG GTTTGAACAGCTTGGAAGAACTGCCGCCGCTGACCGAACTGGCCGAACTGGTTTTGCCCG ATTTGATAGAAATGCCGCCTACGGATGAAGAAGAGCCGGAAACCGTACCGTCCGATACCC TGCCCAACTGAAATTCCAAATGCCGTCTGAAACGCACATTGCTTCAGACGGCATTGCAAC AAATAAGCAGATAAAAACAAGCACTAAGAAAAATTAAGGAAAAACTTATTTTAATTTAA AAAATCTTAGTTATAATTCGTATATCTAAAGTTGATATTGCTTTTGTCGGTAGAATTGCT AAGGAATCCTCACGATGCTTCTAACACTTTCTTTGCGTGATTTTGTCATTGTTGAAAATC TGAATCTGGATTTTCAAAGCGGCTTTACCGTATTGACCGGAGAAACTGGCGCGGGCAAGT CCATTACTTTGGATGCGATTGGTCTGCTGTTGGGCGATAAAGCCGATTACAGCCAAGTCC GCAGCGGCGCAAAAGAAGCGCAGTTGTCGGCGTTGTTTGATATTTCCCATTTACCTGTTT TAAAAGCAGAATTGTATGAACAGGGGCTTTTAAACGACGGAGAAGAAGAACTCAGTATCC GCCGCATTATCGATGCCAAAGGCAAAAGCCGCAGCTTTATCAACAATCAGGCCGCTACCT TGGCGCAACTCAAAGCCGTCGGTAGCCAGCTTATCGACATCCACGGGCAAAACGCCCATC ATTCGCTTAATCAGGAAGCCGCCCAGCGCGAATTGTTGGACGCATTTGCGGGTAGCAGGG AGCAGGCGGAAACCGTCAGGCAGCTTTATCAAAATTGGGCCAATGCGAAAAAAGCCCTCC AAGAGGCGCAGGAACACGCCGATGCCGTCATTATCGAGCGGGAGCGTCTGGAATGGCAGT TTAACGAATTGAATCAGTTGGACATTAAACAAGGCGAGTGGGAAGCCCTCAGCCAAAGCC ACGACAGCCTTGCCCATTCTGCCGAGCTGTTGCAGGCTGCCGAAGAAGTCGGAAGCAAGA TTGACGGCGACAACGGCATCCAACGCCATATCTATCAATGTCAAAAACTATTGGCCAATC TGCAAAACATCGAGCCGCGCTTTGCCGAGAGCCTGAATATGTTGGCAAGCATCGAAGCCG **AATTGGGCGAAATCAGTGCCAATATGCGCGATGTGGCAGGTCGCAGCGACATCAATCCCA** ACGAACTTGCCGCACAAGAGCAGCGCATGGGCGAGCTGATGGGGATGGCGCGGAAATACC GGATCGAGCCTGAAGAGTTGCCTGCCAAGTTGGCAGAAATCGAAGAACGCCTGCAAAGCC TGCAAGCTGCCGCCGATTTGGACGCGCTCGAGCATAATGTTGCCCACAATTTTGCCGAAT ATCAGGAAGCTGCCCACATCCTTTCTGCCATGCGCCATCAGGCGGCAGAGCGTTTGAGCG GCGAAACGACCGAGCATATGCAACACCTTGCCATGAAAGGCGCGCGTTTCGACATCGTCC TGTTGCCTTCGTCGCCGACGGCACACGGTTTGGAGCAGGTTCAATTTCAAGTTGCCGCCA ACAAAGGCAATCCGCCCCGTCTGCTGAATAAAGTTGCCTCCGGCGGCGAATTGGCGCGTA TCAGCCTTGCCTTACAGGTTGTTGCCAGCCAATATACCCAAGTTCCCACCCTGATTTTTG ATGAGGTCGATACCGGTATTGGAGGGGGGGGTGGCTGAAATGGTCGGCAAGGCATTACGTG CGTTGGGCAGAAAACATCAGGTGCTTGCCGTTACCCACCTTCCCCAAGTCGCATCCTGCG GAGAAAACCACTGGCGGGTGCGCAAGCACAGCGAGGGAGAGCAAACCGTCAGCGAAATCA GTATATTGGATGAAATCCAACGGATCGAAGAGGTTGCCCGTATGTTGGGCGGAGAAGTCA TTACCGATACGACGCGCAACATGCGGCAGAATTGCTGCAACTTGCGTCGAAAAATAGTT TATTTTAAAATCAATCAGTTAAAAAATAACTAAAAATAAAAGTCTAAAACAATAGACAGA **ACTCAGATAAATCCGTATTATCACGCTTTCTTAATCACTTGAACAAGTGATTGTGCTGCA** CCCGTAGCTCAGTTGGATAGAGTATCTGGCTACGAACCAGAGGGTCGGGCGTTCGAATCG CTCCGGGTGCGCCAGTAAGAAAATACAATATGCGCCCATCGTCTAGCGGTTAGGACATCG CCCTTTCACGGCGGTAACCGGGGTTCGATTCCCCGTGGGCGTGCCAATTCAAAATGCCTC CGATTATATCGGAGGCATTTCTCATTTCTCATTTCTCATACTGAGACCTTTGC AATAACATAGGTTACTAAAATTTTATGGTCAATCTCATTTTCAAAATGCAAAACTTTTCT GATTTTTCCTACTTTTTGCTCAATATTAGGAAGGTTTTAGGCAATTGAAAATTTTTTGGC

GCATTTTTATGCGTCAAATTTCGTTAACAGACTATTTTTGCAAAGGTCTCGGATTAACAA AAATCAGGACAAGGCGATGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTG GTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGG TTTTTGTTAATCCACTATATTGAGTCCTCGAGAAGGGAAATAAAAATTAACATCCTTATA TATTGAGTTCCTGAGAAGGGAAGATTAACAAAAATTAACGCCCTTTACTTCATACAATCA ACAGGGCTTTTTCATTCCTTCCTTATCTAACAGGGGGTACAGAAACCGAAACGGCTGGCA GGGTTAAGGAAGTCTTCGAATGTTACGGAACATTCATCTTGGACAGCAAAGGCAATTTGT TAGGCATTCCTTACTCCTTATTTTGGGAAGAAACGTTATGGGTGTTTTCGATATTTTAC CGTCAGGATTGGTATGTTTATTTGAATATGATTTTCTGTGGTCGGGACGGCATGCGGCAA AGACTTAAGGGGTTAGATCCTTCCTTCTGACGATGGCGCGGATGATGGTGCGGTTGGGGT GTAGGGCGTGGCGCAGGCGTTGTGAAAAGGGATGGGGCAAGCCTAGGATTTGGGCTGCAA TGGCGGCGCGCAGATGGGGGCGTGCCGAGTCCGCGGGTGCCGTGCGCGTGTTGACGT AGGCATTAGGCAGGTATGGGCATGGGGTGTCGATGCGGTAGTTTTTGTCCAGCGCGAGTT TGGTGTAGGTCTGCCGCATGGCGGCAATGTCGCCGAGTGCGCCGACTAGGGGAAGGTGGT CAAACAATGATTCGGAAAGGGCGGGTTAAGGTGTGCCAATGCTTGGCGGTTTGAGGCTT CTTCGCCTTCGTTCCATCCGGTATGGCTGCTGTTGGGAATAAAACTCGCGCCGTAGCAGT GCAGTCCGTGCCACGACGGGCTGATGTAGCTTTCGCCTGAAACGGCGCAACGCAGTTGTT CGGAAAACGGGGTGGACGTGTGAGGCCGGTTTGTCCGCGTATTTGCCTGAGAGGCAGGG CGGCGAGGTTGGTTCGGGTAGGTAGGTGGGGCTGTTCGCACCGGTGCAGTAGATGTGTG TGGCGGTAAATGTGCCGTTTGGCGTGCTTGCAATCCACTTTTCCCCGTCGTGGGAAATGT CGGTCAAGGGTGTGTCTTCGTGTAGTCCAATGAGCGGATGGTTGAGGAGGGTGCGGACGA ATGCGGGTGGATTGAGCCATACGCCGTGTTGCCAGTAGAGTCCGCATGAAGGGTGGTCGT ATGGGACGGACAGTGGGATACCGGCGATTTTTTCGGCTTCTGCAGATGTGATGCTGCGGT AGAGGTGGTTATGGTGTTTTTGCAAACCCAATTCGTGATTGCGTTGTTGTTCGGTGCGGC TGTAATTGAGGTGGATGATGCCGTTGCCGCCCCAGGTTTCGGATTCGGGCAGGATGTGTC CGAGCAGGCGTTTGGTGTAGCCGTAGCCGGCAAGCAAAAGTTCGGTCTGTTCGGTGTCGT GCGGCGAGATTTTGGCGTAGAGCAGCCCTTGGCGGTTGCCGCTGGCGGCTTGGGCGGCTT TTCGGGCTTCCAATACGGTAACGGAAATGCCGTGTGATGCTAAGGCGTGGGCGGTTGCCG CGCCGGATATGCCCGCCCGATAACGAGGATGTTTTCCGGTTTTTGCCGTTCGGATGTTT GTGGAAGTGCAAACCAGGGTTTGTCGGGCTTGCTTTCGGTTTTGCGGGATGGCTTCGGTCT AGAAGCGGACATCGGGCAGGATGTTTCGATGAGGTTGATGCTGTCGAACTGGAGGCACT GCATTGCCTGATCCAAACGGTGCTTCAGACGGCATTCCGCGTCCGAAGCATCTTGTGCGG TTTGAAAATCGGGAATCTGATTATCGGGGAGGCAGATAATCAGGTTGAGCGGGGGTGCGT GTTTGCGGATGGCTTGGTCGAGTGTGCGGATGTCGGGAATGCCGTCCCATACGAGATTGT CCATATCAATGCCGTTTAAAGTGTGGGTTTGAATATCGGTATCGGGATAAAGCTGTTAAA ATACGCGCCGTTTGAAGGCACGCCTGCCGCCTGCCGGATATTGTATGCCGAACCGAGGTGT TTTTTGAATAATATTCCTGTTGAAATCCGTTTGTTGAAAAACCGTACCGTGTTGGTTTTG **ACTTATGGGGACGAACCTAAAAATCTGCCTGCCGAATTTTTACGCGTCTATTCGCCGAGT** GCGGAAGTGCGCGGACACGCGTGGGACAGGATGTTTTGCAGACCGGCAAGGCGGATGTC CAAATCGCGGATTTGCAGCCTGTCGGACAGTACGCGCTGAAAATCAGTTTTTCAGACGGG CACGACAGCGGTCTTTACGATTGGGCGTATCTGCACAGACTGGCATACGGATACGATGCG ATGTGGCAGGAATATTTGGACAAATTGGCGGCGGCGGCGCGCGTCGCGTTTTGAAGAGAAA TAAGACCGGTCGGATGGTAATCTGACGGGCAAAGGTATCAGAGAGGTGGTTAGAATATGG GCGGACAGAAAACGCATTTCGGATTCAGTACGGTCAACGAAGATGAAAAAGCCGGCAAAG TGGCGGAAGTGTTCCACTCCGTCGCCAAAAACTACGACATTATGAACGATGTGATGTCGG CAGGGCTGCACAGGGTGTGGAAGCATTTCACCATCAACACGGCGCACCTGAAAAAAGGCG ATAAAGTGTTGGACATTGCGGGCGGTACGGGCGATTTGTCGCGCGGTTGGGCGAAACGGG TCGGCAAGGAAGGCGAGGTTTGGCTGACCGATATTAATTCCTCTATGCTGACCGTCGGGC GCGACCGTCTGTTGAACGAAGGCATGATTTTGCCCGTATCGCTTGCCGATGCGGAAAAAC TGCCTTTCCCCGACAATTATTTCAACTTGGTTTCCGTGGCGTTCGGCTTGCGGAACATGA CGCATAAAGATGCCGCGCTGAAAGAGATGTACCGTGTTTTTGAAACCGGGCGGCACGTTGC TGGTGTTGGAGTTTTCCAAAATCTACAAACCTTTGGAAGGCGCGTATGATTTCTATTCGT TCAAGCTGCTGCCGGTCATGGGCAGGCTGATTGCGAAAGATGCGGAGAGTTACCAGTATC TTGCCGAATCCATCCGTATGCACCCCGATCAGGAAACTTTGAAACAGATGATGCTGGATG CGGGCTTCGACAGCGTGGATTATCACAATATGAGTGCGGGCATCGTCGCGCTGCATAAGG GCGTGAAATTTTAAACGGACTGGCTGTGCAGCCAATGCCGTCTGAACACGTTTCAGACGG AATAATTTATAAATTTTTTAAAAAATAGGAACAATTATCATTTGCAAGATTGGGAGATGT CTGTATAATGCAGTCAATCCAGTAAACAACGCAGCGAAAGGAGGGAAAAATGCCGG AAAGTATTTTCAAACAGATTTCCCTTGATATTTTGAAACTGCATCGGGATTCTGTTTATT CGCTGCTTGCCACTTCCGGCTGCAACTGTCAGGTGCATGAAGCGGCGTATGTCAACATCG ACGGCAAATATTATATTGCGCTTTCATGCGAGCCCGAGGTGGGGGAAGTCAAAACAGGCA TTTTGCTGATTGAGGATGAAAGCCGCAACCTTCGTTTGAGCTGGGTCGGCAGTGCGCGGG AGCTTGACTGCAAGGATAATGCCTACAAACGCGCCCTGTCCGCGTTGTCCAGAAAGCTGG GGCGGTGTAAGGACAGGCTGCATACGGCGGTTCAACCGTTTCTGTTGGAGCTGGTACCGG **AGAAAGGCAGATTTTCTGTCGGCGATGAAGAAGTTTGGATTTCTCGAAACGATTTAGTGA** GGGCTTTATATCCTGTCGGATACAGTATGCGGCAGGCAGTGTTTCAGATTTAAAGTTTTG TTGGCGGCAAAGGAAAAATGCCGTCTGAAAGGCTTTCAGACGGCATCCGCGTGCGGAATT ACCTGTCCGGTAAAAGACGGATACCTTGATTGCCCAGCCGTTTTGACAATTCGGCAACCT TTCCGTGTTTTCCTAAAACAAAATCAGGGAGGATTTCTGCCAAAGGGCGGATGACGAAAC TGCGTTCGTGCGCGCGGGTGCGGCAGGGTGAGTCGGTGTCGTCGCTGGAGATGCCGT CAAAGTCGATAATGTCCAAATCCAATGTGCGCGCGCGTTGCGGAAGCTGCGTTCGCGTC CGAAATCAGCCTCGATACGGTTGAGTTCGGCAAGCAGGGCAATGCCGTCCAGAGTGGTGG AAACGGTGCAGACGGCATTGACAAAATCGGGCTGATTGTCGTAACCGACGGGCGCGGTCA TATACAGTGAGGAAGCCTGTTTAAGACGGATGTCAGGATGGGACGACAGCGTGTCCAATG CGGCGCGTACCTGTTGGGCAGGGTTTTCAAGATTACTGCCCAGGGCGATGACGGCAAAAT GTCTGTTGTTCATAACGGTGTTTCAGAAAGGCAGGACTTTGGTTTTGGCAAGGTAAACGA TGCAGGCGACGCAACACATGGCGAGCAGGTAAACGGTGTAGAACTTGGTCGAACGCGGAC GGGCGCGCATCATCATCATACCCAATGCGATATAGGCGAGCAGAAGCAGGATTTTTGTAC CGAGCCAAGGCGCGTTGAACGGGGAGAAATGGGTAATTTTCATCAGCCACAATCCCGTAA ACAGCAGCATGGTGTCGTTAAGGTGGGGCAGTGCCTTCCAAAAGCCCGCCAAGGGCTTTT CTGGATTTTTCCAAAGTAGGAAAAAACGGATGTTGAATACCAAAATGGTGATGGTAACGA AGATTTGGTGGCTGTATTTGACAATCAGATACTGCATGGTCGGCTCGTATCAAAATAAGG GTTAGAATCGGCTTATTTTACCGCAAACAGTTATTTTTGACGCAGTTTTTCAAATACCAA AAGATAGGGTGGGCTGTTTTTCCGGTTGGTAAAGCCGTAACGCAAAACGGCAAACTGTTC TTGAGGCAGGTTTTTTGCCCATTGTTCGATTGCTTCTGCCTCTGTTTGCCGTTTTCGTG AAGGGCGGCAATGCTGGTTTCCGTGCGGGTGGTAAGGCTTTTGTCCCCGCCGGGCAGCCA GCCGAAATTGAAAATGGCTGCATCCAGCGGCTTTGGAATATATTGCTTCAGGTTTTCATG TCCGTCCAAGATGAGCCGTACATTGCTGTAACCTGCTTCCTGCAGACGGCATCGGGTGTT GTTCAGGGCTTGCGGCTGGATGTCGAATGCCCACACTTTCCCCCGGATGCCTGCGGTTTG TGCGAGGAAAAGGGTGTCGTGTCCGTTGCCGGCGGTGCCGTCCAAAGCATTGCCACCTTC GGGAAGTGCCTTCCGCAAAAGGCAATGGGCGAATGGAAGGATGTTTTGCAATAACATTTT TAAATGCTGTCTGAAAATAAAATACCTTACCGTTGTCCGGTAAGGTATTGAAAGATATG ACACGTCATGCTTCGTGCGGATTATTCGGCAGGCTGCTGGACGGTTTCCACTTGGACGAG GGTCGAAGTCGGTGCGGCTTGGGGTCTGTTTTCATGTTGTAGGTTGACGGAGCGTGCCGG TACGATGGTGGAAATGGCGTGTTTGTAAACCATTTGGGTGACGGAAGTGTTTCTCAGGAG AACAACGTATTGATCGAAAGACTCAACCTGACCTTGTAATTTGATACCGTTAACTAAGTA AATCGAAACCGGAACGTGCTCTTTACGCAGGGCGTTCAGGAAGGGATCTTGCAACATTTG TCCTTTAGCTGTCATATTTTTAACTCCGTTATTATGATTGTGAAATCGGGCAGACGCCCT GTTTTCCGCCGGGCATTTGTATGTCAGGAGCGTTGCTGCAGCATCCACGATTCGATTTTG CGGGCGTCGTTGACGCGTGTGGCGGATGTGGGCGAGTTCAGCAATACGATGGTAACGGGT TTCTGCAATTCGATGTTCCACATGCCTTCTCTGACCAGGGCATTGGAGTTTTTGTAGTTC ${\tt TGCTGCCCGTTTTTGGTCTGTACCGAGGCGTAGTTGGAAGTCGAGTTGGTGCGGATTTGC}$ GGATATTGGGCGGCGCGTTGACCATAAGGCTCAGGTCTTTGGCGGTAGAAACGTTTTGG AAGTTGAGTCCGGTCGGTTCGTAAAAGCGGCTGCCGTACATACCGAGGCTTTGGGCTTTG CGGTTCATGGCGGCGACAAATGCGCCCATGCCGCGGGGTAGGTTCTGCCCAATGCATGG GTGGCGCGGTTTTCGCTGCTCATCAGGCTCAGGTGCAGCAGTTTTTTGCGTGTAAGTGCC GTACCTATGGCAAGACGGCTGCCGGTCCCTTTGATGCGGTCGATTTCGTCGGGCGTAATG GTAACGGTTTCGTTCATGTCCAAGTTTGCATCCAAAACGACCATCGCGCTCATCAGTTTG GAAATGGAGGCGATGGGCATAATCCTGTCGGCGTTTTTCTGATACAGTATCTGTCCGGTT TTGTTGTTGACGACCAGGGCAGACTGTGAGGAGAGAATCAGACCGCCTGTAATGGCTTGG GTGTTGGTGGGTGTATCGTGCTTTCGGCGAATATTTCTATCGGATCGGAGGAGGTAAGC ATGTTCTGTTCTAAAAATTGCCCTAAAATGTCGTTGTCGGCAAAAAGGTGGGCTGACGGC ATTTTTGATTCCATATTTTTGAGTATTGGCGTTATTTTGTTGAAAAAACAGCCATCTGTA TGGGTTTTATAACATTCTGTTTTTAAATCGGAACATATTTTGTGGTTTGACATGGATATT TTTCATGCCGTCGTGTGTCGGTTTGGATGTTTCCGGCGGTTGAATCCTTGTCCTTTGGGG CGGTAGAATCGGGGTTGGTTTGGCAATTGCGGCGGTGCGTCTGCGTGCCGTTTTGAATAA TGGGAATATCGGGAGTAGGACTATGGATGTGAAATATGAATTTACCCTGCCTTCGAGCAG CGGTGCGGATTTTCATTCGGCAGAACATCTGCCTTTGGTCGTGTATTTTTATCCGAAAGA CAGTACGCTGGGCTGTACGACGGAAGGCTTGGATTTCAATGCGCGTTTGGAACAGTTTGA GGCATTGGGTTATACCGTGGTCGGTATTTCCCGCGACGGCGTAAAGGCGCATCAGAATTT TTGCGCCAAGCAGGGTTTCCGGTTCGAGCTGTTGAGCGACAAGGATGAAACAGTGTGCCG CCTGTTTGATGTCATCAAATTGAAGAAACTGTACGGGAAAGAGTCGTTAGGTATCGAGCG CAGTACGTTCGTCTTGAATAAGGATGGAGAAATCGCCCATGAATGGCGGAAAGTCAAAGT GGCGGGTCACGCGCAGGAAGTATTGGAAACGCTTTCCCGATAATGTGAACCATGCCGTCT GAAGAAGATTCAGACGGCATTTGTTTGGAACGGTATGGAAGAAGGTTTGATCGACAGGCT GCTTGAAACGCTGTGGTTGGACAGGCGGCTCAGTCAGAATACTTTAAACGGTTACCGGCG CGATTTGGAAAAAATCGCCCGCCGCCTGTCCCAATCGGGCAGAATGCTGAAGGATGCGGA CGAAGCGGATTTGGCGGCGGCGGTTTATGTTGACGGAGAGCAACGGAGTTCGCAGGCGCG CGCATTATCGGCATGCAAACGCCTGTATATATGGATGGAGCGTGAAGGCATAAGGACGGA CAATCCCACCCGTTTGCTGAAACCGCCCAAAATCGACAAGAATATTCCGACCCTGATCAC CGAGCAGCAGATTTCCCGACTGCTTGCCGCCCCGGATACCGACACGCCGCACGGTTTGCG GGACAAGGCTTTGCTCGAATTGATGTACGCGACCGGCTTGCGCGTCAGCGAGGCGGTCGG GCTGAACTTCGGCAATGTGGATTTGGACAGGGGCTGTATTACCGCGCTGGGAAAGGGTGA TAAGCAGAGGATGGTCCCGATGGGGCAGGAGTCGGCGTATTGGGTGGAACGCTATTATAC AAAGACGGGCATTTCCCGTCAGTTGGCATGGATGATTGTCAAAGAATATGCAAGTCAGGC AGGCATCGGGCACATCAGCCCGCACAGCCTGCGCCACGCCTTTGCCACGCATCTGGTGCG GCACGGCTTGGATTTGCGCGTGGTTCAGGATATGTTGGGACATGCCGATTTGAATACGAC GCAGATTTATACCCATGTTGCCAACGTATGGTTGCAGGGTGTAGTGAAGGAACACCATTC AAAAATTACCAAGACAAACCGTGTATACCGACCTTGCAATGCGAACCGTTTTTATTATA

TTCGCATACGATAATAAAAGCCGCTATCGGTACGATAGTTTGAGAACACACGGAGCACAA AATGTTTGTCTGCATCTGCAATGCCGTTACCGACCATCAAATCAAGGAAACCATCGCCGC CGGCGCGACCACAATGGGCGATTTGCAGTCGCAATTGGGCGTAGCGAGCTGCTGCGGCTG CTGCGGGGAGCTTGCCGCTTCGTTTCTGACGGCGCACAATGCGCAACCGACGGTTACGGC GGGTATCAACGTTCAAGCGTAAAACGGTTTTCGAAATGCCGTCTGAACTGTTCAGACGGC ATTTTTACTGTTTTTGGCAGGACTTGAGTATCATCTTCCTCGAAAACATTGTTTTTTCCC AAATAGACCATGATTCTGCTGCGTCTAAGGCTTTGGCGTGTGCAAATTGACAGATAAGGA AACGCGGATGAAATTGACCTTGATGTTTCGTGAATATTGCAGCTTGTGCCACAAAATGCG CGACGAACTCAAACCTTTTCAGGATGAATACGGGTTCGGGCTGGAAGTGGTCGATGTGGA TGAAAATCCTGTTTTGGAAGAAAAATACAATGAGCTGGTTCCCGTTTTGTTGGCGGGAGA TGAGGAAATCTGTCACTGGTTTTTGGATGAGGACAGGTTGAAACAGTTTCTCGAACGGTA AAAAATGCCGTCTGAAGCAGGACTTCAGGCGGCATTTTTTTCAAATCAACGTTCTTTAC GTTTTTGCGGGGCGGATGACCTGCCGGTAAAGGAAGCACGTTTGGATGCTTGGTAAATTG CTAGTCTTCGATGTTGCATATTAACCCTTTCTTTATTTTATTTGTCGGTTGGGAGGA TTCTTATTTATTGATTTTTCAATAAAATTAGAAAATTTATTGTGAGATGTTATTGTTG GCAATCATATCATGTTTACTGTTGATGGAAGCATGATTGTGTAAAGATGATATGTGTTT GTGTAATCGGTAGATTTTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCA GACAGTACAAATAGTACGGCAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTA GCAGCTTGGAAACGACCTGTGCAAGGCTTTTTGCCAGTCTGACGGTTTGATGCCGAAGTC GTTTTCGATTTTGCGGCAGTCCAAAATGCTGTATGCGGGCCTGGGGGCGGCGGTCGGATA TTCCTTGTCTGAAACGGCAGTCAATTCGGGAACGGGAAGGATGTCTGCTGTTGCGATGC CGCTTGGAAAATATGTTGGGCAAATTCGTACCAGGATACGGATTTGCTGCCGGCGTAGTG GTAAATGCCGCGAACGGGATTGGAGTGCTGCAACAGGCGGATGATGGTGGCGGACAAGTC GCCGCATAGGTCGGGCAGCCGATTTGGTTGTGGACGGCGGACAGCGGGGAACGTTCCCG CGCAAGGTTCAGCATCGTGCGGATAAAGTTGTCCCCGTATTCGCTAAACAGCCAAGAAGT CCGCAGGATAAGGCTGTCGGGATTGGCAGACAGTGCGAGCAGCTCGCCTGCGGTTTTGGA TTGTCCGTATACATTGGAAGGATTGGTAAAGTCGCTTTCCTGATAGGGTCTTTTCCCTTT ACCGTCAAAGACATAGTCGGTTGAGATGTGGATGAATCGGGCATGGGCGCGATGTGCTGC CAAGGCAAGGTTGTAAACGGCGGAAGCATTGACGGCAAATGCCGCTGCCGCATCGCCTTC CGCCTTGTCGACGCAGTATAGGCAGCCGTGTTGACAATGGCGTCGGGTTGGAAACTTTT GACCATGTTGCAGACGGCATCGGCATCGGTAATGTCTAGGGATGCGGAATCCGTCGCAAT GGTTTCCCAGTCTTCCGGAAGACGGTCGCGCAGGCAGCGTGCCAGTTGGCTTTTCGAGCC TGTCAATAGGATTCTCATGAGGTATTTCCTTTGGTAAAAGTGTATTGTAGGACTTGCTGT CGGTATTATAGTGCCAAAATTTTGCCGACGGTTGACGGGTTGGCTTTTTGTGCCATGGGT ATTGTTTTGCGCCGACTTCGGCTAGAATATCGGTTTGTGATTCAAACCTGTCGGGTGTCG GATCTATTTTGGAAAAGTGCGCGATTTATATGAAATCGACGATAAACGTATGCTGATGGT CGCTTCCGACCGCCTGTCCGCGTTTGATGTGATTTTGGACGACCCGATTCCGAGCAAAGG GGAGATTCTGACGCAGATTTCCAATTTTTGGTTTAAAAAACTGGCGCATATTATGCCCAA CCACTTTACCGGTCAAACGGTTTACGATGTTTTGCCTGAAAACGAAGCCAAAGCTTTAGA GAAACGCGCCGTCGTGGCTAAAAAGCTCACTCCGGTGAAAGTAGAGGCGATTGTGCGTGG TTATCTGGCAGGCAGCGGTTGGAAAGATTATCAAAAAACCGGCTCGGTTTGCGGTATTCA ACTGCCTGAAGGTATGCAGGAAGCGCAACAACTGCCTGAAGTGATTTTTACGCCCTCAAC CAAAGCCGCAGTCGGCGATCACGATGAAAACATCAGCTTTGAAGAATGCGGACGCATTAT CGGCAAAGAATTGGCGGAAGAAGTGCGCCCAAGGCGGTTCGGCTTTACACCGAAGCGGC GGAATATGCCAAATCGCGCGGTATTATTATTTGCGATACCAAATTTGAATTCGGTTTGGA TGAAAACGGTACGCTGACGCTGATGGATGAGGTATTGACTCCCGATTCGAGCCGTTTTTG TGTGATTCAGAAAACTGTCGAGAAGTATCGGGAAGCATTGACTTTGCTGACTCAGGATTG ATTTTTAAGTTTGAAGGCCGTCTGAAAGAAATATGGTTCAGACGGCCTTTTTATTGTATC AATACTGGATTTTAAGGATGGTTGCCTTTATAATCCGCAATTGCTTTCAGCGTCCGAAAT GCCGTCTGAAAGCTTGTTTATAACCTGCCGCACGGTCTGAAACCCTAACTATGCACATTC GGATTTTAGTGTGCATTATTAGTGTTTTAGCAGTGCGGTATTTTGAAAGGAACAATGATG TTCGACAAACACGTTAAGACCTTCCAATACGGTAATCAGACCGTTACTTTGGAAACCGGC GAAATTGCCCGCCAAGCCGCCGCTGCCGTTAAAGTCTCTATGGGCGACACCGTTGTTTTG GTTGCCGTTACCACCAACAAGAAGTGAAAGAAGGTCAAGACTTCTTCCCCCTGACCGTC GATTATTTGGAACGCACTTACGCCGCAGGCAAAATTCCCGGCGGTTTCTTCAAACGCGAA GGCAAACAAAGCGAAAAAGAAATCCTGACCAGCCGTCTGATCGACCGTCCGATTCGTCCG CTGTTCCCTGAAGGTTTCTACCACGACATCCAAATCGTAGCGATGGTCGTGTCCGTCGAT CCTGAAATCGATTCTGATATTCCTGCAATGTTGGGTGCATCTGCCGCGCTGGTGTTGAGC GGCGTACCGTTTGCCGGCCCGATCGGCGCGCGCGCGCGTCGGTTATGTAAACGGCGTGTAC GTTTTGAATCCGACTAAAGCCGAATTGGCGAAATCGCAATTGGACTTGGTGGTCGCCGGT ACTTCAAAAGCCGTGTTGATGGTGGAATCCGAAGCCAAAATCCTGCCCGAAGACGTGATG TTTGCCGACGAAGTCAATCCGGAACTTTGGGATTGGAAAGCACCTGAAACCAATGAGGAA CTGGTTGCCAAAGTCCGCGGGATTGCCGGCGAAACCATTAAAGAAGCGTTCAAAATCCGT CAAAAACAAGCGCGTTCTGCCAAATTGGACGAAGCTTGGAGTGCGGTAAAAGAAGCCTTG ATTACCGAAGAAACCGACACTTTGGCAGCCAACGAAATCAAAGGCATTTTCAAACACTTG GAAGCCGATGTCGTCCGCAGCCAAATTTTGGATGGCCAACCGCGCATCGACGGCCGCGAC GCATTGTTTACCCGTGGCGAAACCCAAGCTTTGGCCGTTGCAACTTTGGGTACTTCGCGC AACTTTCCGCCGTACTCTACCGGCGAAGTGGGCCGCATGGGCGCACCGAAACGCCGTGAA ATCGGTCACGGCCGTTTGGCTAAACGTGCATTGTTGGCCGTATTGCCGAAACCTGAAGAT TTCAGCTACACCATGCGCGTGGTCTCCGAAATTACCGAATCCAACGGCTCTTCCTCTATG GCTTCCGTCTGCGGCGCCTGCCTGAGCCTGCTGTCTGCCGGCGTGCCTTTGAAAGCACAC GTTGCCGGTATCGCGATGGGTCTGATTCTGGAAGGCAACAAATTTGCCGTCCTGACCGAC ATTTTGGGCGACGAAGACCACTTGGGCGATATGGACTTTAAAGTGGCCGGTACGACCGAA GGCGTTACCGCGCTGCAAATGGACATCAAAATCCAAGGCATTACCAAAGAAATTATGCAA ATCGCTTTGGCACAGGCCAAAGAAGCGCGTCTGCACATCTTGGATCAGATGAAAGCCGCC GTTGCGGGCCCGCAAGAGCTGTCCGCACACGCGCCACGCTTGTTCACGATGAAAATCAAC CAAGACAAAATCCGCGAAGTTATCGGTAAGGGCGGTGAAACCATCCGTTCGATTACCGCT GAAACCGGTACGGAAATCAATATTGCCGAAGACGGTACGATTACCATTGCCGCAACCACT CAAGAAGCCGGCGATGCGGCGAAAAAACGCATCGAGCAGATTACTGCCGAAGTGGAAGTG GGCAAAGTGTACGAAGGCACTGTGGTGAAAATCCTCGATAACAATGTCGGCGCGATTGTC AGCGTGATGCCGGGCAAAGACGGTTTGGTACACATCAGCCAAATCGCCCACGAGCGCGTA CGCAATGTCGGCGACTACCTGCAAGTCGGTCAGGTGGTGAACGTGAAAGCATTGGAAGTG GACGACAGAGGCCGTGTCCGTCTGTCCATCAAAGCCCTGCTGGACGCGCCTGCCCGTGAG GAAAATGCCGCCGAGTAACGCTTAGGGTGAAAGTGCCGTCTGAACAGGTTTCAGACGGTA TTTTTTACGGGTATCGGGAATGAATGGGGCTTACAGCCACAGGACGGCAAGTTTCCATAA TGCCCATAATGATACGGATAATCCCGTACACAGGCGGATATATCGGTTTTGCATGATTTT TTTCAGTTGCAGGGAAAAAATGCCGATTGCTAAAAGATTGGGCAGCGTACCCAGTGCAAA GGCAAGCATATATAACCCGCCCGTTGCCGCACTACCGCTTCCCAGCGCGTAAAGCGACGC TATGGATTTTATGGGTAACAGCCGGTTGAGTATCGGGTTCAGGTTCCGCCATATCGGTTT GCCGATTTTCTCGATTTTTGCCGCCAAGGAAGAAATACCGCTCAAGTATAAGCCTAAAAA GAGCAGCAGGAGGTTGGCGGCCGTGTATAAAATATTCTGCAGGACGCGGGTTTGGTCGAG TGAAACGCCGACCTGTCCGATTAATCCGAGTATCAGGCCGATTGCCGTATAGCTGCTTAC CGCAAACGCGCTGCTTAATCCGCCGCACATACCGATGCAGTGCGTTCCGCCGAAGAAACC GAGTAGGAACAGGGTGAGGAAAGTGATGTCGTGGTTCATAGGCAGTTTGAAGTCAAATAT TTTTCGGGAAAAGGGATGATTTGCGGCAGTCCGGCACATAGGATCCGCCGAGGGCATTGC CCGTGCTGTTAAAGTCTTGAATAAGGATGCAGTTTTGCACCCTGTATTTCGATAATTTTGT AAAATCCGCCCTTTACTGCGCCGTCGGCGGGTTTGCCGTGTGCGTCAAAATACAGGATGG TGCGGTTTTGAAGATGCGCGCAATTTGAAACGGCCGGGTTTGCCGGTATGTTTCGGGTGC AGGCGGCAAGGATTGCACAAGGGAAAAGCAACAGTAATATGCGGAACATGGTGTTTCTTG TAAGGGGTAACAAACAGTATAATGGCTGATTTTAATCCTCAGGCGGGGGGGAGATGGAAGC ATTTCCCTTCGGTGCGGGGATTTCGGATTCGGAAGCAACAGACGATACGGGATTTCGGA ACAATATGAACACTTTGAAATTTACCAAAATGCACGGTTTGGGCAACGATTTTATGGTGA TTGACGCGGTCAGTCAGGATTTTACCCCCGAGGACGCGCCGATTGCGGAATGGGCGGACC GCTTCCGGGGCGTGGGCTTCGACCAGCTTTTGGTGGTCGGGCGTTCGGAAACCGAAGGCG TGGATTTCCGTTACCGTATTTTCAATGCCGACGGCAGCGAGGTCGGGCAATGCGGCAACG GTGTTGAAACGGCAAATGGCGTTATTTTTCCGAAATTGTCCGATAACGGTATGGTTACGG TCAATATGGGCAAACCGAAGTTTATGCCGTCTGAAATACCGTTTGTCCCCGAATCGGGCG AGGGGGATGATGCCTGTATTTACGGGGTGCATCTCGAATCCGGCATTCAGCCTGTCAGCT GCGTCAATATGGGCAACCCCCATGCGGTGATTGTGGTCGATGACGTGGAATGCGCGCCGG TGCGCGAAACCGGTTCGCTTATCGAACCGCACAGGCAGTTTCCCGAACGCGTCAATGTCG GCTTTATGCAGGTTGTCGGCCGAACCGCGATTCGTTTGCGCGTGTTCGAGCGCGGCGTGG GCGAAACCCAAGCTTGCGGTACGGGCGCGTGTGCGGCTGTGGTGGCGGGTATCCGTCTGG AATGGGCCTGCGGCGGTGTTGATGATGACCGGCCCTGCGGAAGCGGTGTTTGAAGGTG AGTTGGCGTATTCATGATTTTGCTGCATTTGGATTTTTTGTCTGCCTTACTGTATGCGGC GGTTTTTCTGTTTCTGATATTCCGCGCAGGAATGTTGCAATGGTTTTGGGCGAGTATTAT GCTGTGGCTGGCATATCGGTTTTGGGGGCAAAGCTGATGCCCGGCATATGGGGAATGAC TGCGTTGGTGCATTATTGCTTTTCGGGAACGGTTCAAGTGTTTGTGTTTTGCGGCACTGCT ${\tt CAAACTTTATGCGCTGAAGCCGGTTTATTGGTTCGTGTTGCAGTTTGTGCTGATGGCGGT}$ TGCCTATGTCCACCGCTGCGGTATAGACCGGCAGCCGCCGTCAACGTTCGGCGGCTCGCA GCTGCGACTCGGCGGGTTGACGGCAGCGTTGATGCAGGTCTCGGTACTGGTGCTGCTGCT AATTTTGGATATTGGTTTTTTAGGCGGCATAGGTTTAGGATAAAGCCATATCCGAAATTT GTTTATGTTTCGGCGCAAATCCCCTGCAATCGGACAGGATGCCTATGGGGATTGCGCCTT ACTGTCGAAACCTTATTATTCAGGAGCAGAAGATGAAAATTGCAAACAGCATTACCGAAC TAATCGGCAACACGCCTTTGGTCAAACTGAACCGTCTGACCGAAGGTTTGAAGGCAGAGG TTGCCGTGAAACTGGAATTTTTCAATCCGGGCAGCAGCGTCAAAGACCGCATTGCCGAAG CAATGATTGAGGGTGCCGAAAAAGCGGGCAAAATCAACAAAAACACCGTCATTGTCGAAG CAACCAGCGCAATACGGGTGTCGGTTTGGCAATGGTATGTGCCGCACGCGGCTACAAGC TGGCGATTACCATGCCGGAAAGCATGAGTAAGGAGCGCAAAATGCTGTTGCGCGCGTTTG GTGCGGAGCTGATTCTGACCCCTGCCGCCGAAGGTATGCCGGGCGCGATTGCCAAAGCGA **AATCCTTGGTGGACGCGCATCCCGACACTTATTTTATGCCGCGCCAGTTCGACAATGAGG** AAGTCGATGTCTTCGTTGCCGGCGTCGGCACGGCGGTACGATTACCGGCGTGGGCGAAG TGTTGAAAAAATACAAACCCGAAGTTAAAGTGGTTGCCGTCGAGCCTGAAGCTTCACCCG TATTGAGCGGCGGAAAAAGGCCCGCACCCGATTCAAGGCATCGGCGCAGGCTTTATTC

TTGAAACCGCCCGCGCAATAGCGGAAAAAGAAGGCATTTTGGTGGGTATTTCTTCCGGTG CGGCGGTTTGGAGTGCGTTGCAGCTTGCAAACGCCTGAAAACGAAGGCAAGCTGATAG TCGTGCTGCCTTCTTATGGCGAACGCTATCTCTCTACGCCACTTTTTGCAGATTTGG CATAATGCTTTAATCGGATTGTCGAAACATTCAGACGCATTTTTCGGTATCGGTGTAACG CCGTGCCGGAAAATGCGTTTTTGCATATATGCCGAAAACGCCGGTTGTGTTTTAATCAGG TGTTGGTGTCGCCGCATCGCTTGAGGGAAATATTTTTTATAGTGGATTAACAAAAATCAG GACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTC AGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGT TAATCCACTATATTCGGGTTTTATTTGGCAGGACGGTTTTTTTGCCCCAACGGAAAATAGC CTGCCTGCCCGTAAAATCAGCCGTTTGTCCGGGTGCAGCCGGGGCTTTGGGCTTCAGACG GCATATTTTCGGAATGGCGGCATTCTTGCCGTCGGCGCGGCAGCCGTATGGGGAAGGGAG GGGATATTGTGGTCGGTAACGGCAAAAAATATGCCGCACCATTGCTGGTGCTGGGTTGCG TGGTGTTCGGTCTGGGCAGTCTGATTGTCAGATCCGTCCCCGTCGGTTCGTATGCAATCG CATTTTGGCGGTTGCTGATTTCGGTGTTCGTATTTTGGTTTTTTAGCACGGTTTTTCAGGC CTTTCGATTTGGCGTTGTGGCACGAAAGCATACACGCGGTCGGGCCGGGTATTTCCACCC TGCTCAACAGCCTGCAAATCTTTTTCTTGTCGGCAATCGGTGTTTTCTTTTTCGGCGAGC GTTTGAGCGGGCTGAAAAAGGCAGGCTTAATATCGGCAGTTGCCGGCGTGGCGATGATTG CCGGTGCGGAATTCGGCTACAACGGTAATGCGGTTTGGGGATTCGCCAGCGGTTTGGTAT CGGGACTGATGCTCGCCCTGTCGATGGTGTTTGTCCGCAAAACCCATGAAATCGAGCCGG TGGCGCTTTTCCCTTCAATGATGATTTTGAGTTTGGGCGGCGCGGTATCGCTGGTTGTTC CGGCATTGCTGATGGATGGCGGCGCGCTTTATCCGACGACTTGGAAAGATGCGGGTTTGG TGCTTGTGTACGGCGTGATGCAGTGCTTCGCGTGGGCGATGGTTGCCTATGCGATTC CGCTGCTTTCGCTGTCGCTGACGGGGCTGCTGCTTTTGTCCGAACCGGTTGCCGCCCTGT TCATCGATTATTTCGGGTTGGGCAAACCGATTGAAGGCGTGCAGTGGGCAGGGGTGGCGC TGACGCTTTCGGCAATTTACCTCGGTTCGCTGAAACGGCAGTCTTCACATTGATTTCATC ATCCGACAACGTTAGACTCGCCTGTAAAAGTGAGGAATAGCAAATGCCGTCTGAAACTAT TTTCAGACGGCATTCTTGGCTTCCTGGCCTAACGGATTGCCGTACCGGACCTGCCGAAAT CGCCGAAGTTCATCAAAATGAACATTGCCTTGCCGACAACCAGCTTGTCATCCACAAATC CCCAGTAGCGCGAATCGGCACTGTTGTCGCGGTTGTCGCCCATAGCGAAATAGCGTCCTT CGGGAACTTTGCACACGAAACCGCTGCCGTCGTCGGCATATTGGCAGTGTTCCAAACCGC TTTGCTCTATGGAATATCCGTTTTCAGACATAATATCGGAGGTATATTTGCCCAATACGG GCAGGGAAACGGCAGGCTGTCCTTCTTTTTCAGAATATTGAAGGATTTGCCGTCTAGAC CGCTGCGGAACATATCCGTGTTGTGGATTTCGGAAGGGTCGGTGTCGTCGGGATAACGGT ATGTGCCGTCAGGAATGTCGGAAGTGGGTTTGCCATTTACCGTCAAAATCTTATCCCGAT ATTCGACCACATCGCCCGGAATGCCGACAATACGCTTGATGTAGGTCATCTCCGGCTGCA TGTTTAAAACGGGTACGCCAGGCCGTAGGAAAATTTGCCGACCAAAATGAAATCGCCCT TGATCAGGCCCGGGCGCATCGAGCTGGACGGGATTTGGAACGGTTCGGCGATAAACGACC GGATGAGGAACAATACCAAAACGGTAGGGAAGAAACTGCCGAAATAATCGCCGAAGTGGC TGCTTTCCGAGATTTCGGGATGAGTCTTCAGGCGGTATTTATATACCCCCCAAGCCGTAC CGCACAATACAACGAAAATCAGGAAAACGGCGGTAAAGCTCATAAACAGGGACAAAGCGG CAAACACGCCGACCGCTGTCAGGATATAGGCGTATTCAAGGCCGGAACTCCATTCCCCGT TTTCCTGCCGCTTCTTGTCGCTTTTGAAATAAAGGATGATGCCGGCAAGCAGCGCGGCAG CCGCGCCCGACATTAGCATTGTTCTTGTTGTTCCTTAATGCTTAAAAACCCGCCTGT ATCAGGGCGGTTTGAGGGGTGTTCCCGACGCGCCCCTGTGTGCCGGAGTTATTTGTCG CTCACCTGCAAAATCGCCAAGAACGCGCTTTGCGGAATTTCCACATTGCCCACTTGTTTC ATACGGCGTTTACCTGCCTTTTGTTTTTCAAGCAGTTTTTTCTTACGCGTAATATCGCCG CCGTAACATTTCGCCAAGACGTTTTTACGCAGTGCTTTTGACGTTTTCGCGGGCGATAATC TGGCTGCCGATGGCGGCTTGGACGGCAATGTCGAACATTTGGCGCGGAATCAGCTCGCGC ATTTTCGATGCTAGCTCGCGGCCTCGGTGAACCGCGCTTTGACGGTGCACAATCAGGCTT AAGGCATCGACTTTTTCGCCGTTGACCATAATATCCAGCTTAATCAAATCAGACGGTTGG AACTCTTTGAAATGATAATCCAACGAAGCATAGCCGCGCGAAGTGGATTTGAGTTTGTCG AAAAAGTCCATCACCACTTCGTTCATGGGCAAATCGTAAGTCAGCATCACTTGGCGGCCC ATGTACTGCATATTGACCTGCACGCCGCGCTTTTGGTTACACAAAGTCATGACGTTGCCG ACGTATTCCTGCGGCACAAGGATGGTCGCGGTAATAATCGGCTCGAGTATGGTTTCGATG CTGCCGATGTCGGGCAGTTTGGACGGATTTTCGACTTCGATTTTTTCGCCGCTTTTCAAC ACGACTTCATAAATCACCGTCGGCGCGGTGGTAATCAAATCCATATCGAACTCGCGCTCC AAGCGTTCCTGCACGATTTCCAAGTGCAACAGACCCAAGAAGCCGCAACGGAAGCCGAAA CCCAATGCTTGGGAAACCTCAGGCTCAAATTTCAACGAAGCATCGTTAAGCTGCAATTTT TCCAAAGCATCGCGCAAAGCTTCGTAGTCGTGGCTTTCTACGGGATAAAGTCCGGCGAAT ACCTGGCTTTGCACCTCTTGGAAACCGGGCAGCGCTCAGTGGCAGGGTTGGCAACCAAA GTAACCGTATCGCCGACTTTCGCCTGTCCCAATTCTTTTACGCCGGTAATCAAAAAGCCC ACTTCGCCGGCTTTTAGTTCTTGTTTTTGAACTGATTTCGGTGTGAATACGCCCAGCTGC TCGACCTGCGTTTCCGCCTTGGTGCTCATAAAGCGCACTTTGTCTTTCAGTTTGATGGTG CCGTTTTTCACTCGAATCAGCATAACCACGCCGACATAGTTGTCAAACCACGAATCGACG ATAACCGCTTGCAGCGGCGCGTTTTCGTCGCCGGTCGGTGCGGGGATTTTGGCAACGATT TCTTCCAAAACGTCTTCCACGCCGATGCCGCTTTTGGCGGAACATTGCACCGCGCCGACG GCATCGATGCCGATGATGTCTTCGATTTCCTGTTCCACGCGTTCGGGGTCGGCGGCGGC TTCGCCACGGTTTGCGCTTCCACGCCTTGCGACGCGTCAACGACCAAAAGCGCGCCTTCG CAAGCCGACAGCGAACGGGAAACTTCGTAAGAGAAGTCGACGTGTCCCGGCGTGTCAATC AGGTTGAGTTGATACACCTGCCCGTCGCGTGCTTTATAGTTGAGCGCGGCGGTTTGCGCT

TTGATGGTAATGCCGCGCTCTTTTTCGATGTCCATGGAATCGAGCACCTGCGTACTCATT TCGCGCAAATCCAAACCGCCGCAGTATTGGATGAAGCGGTCGGCAAGCGTCGATTTGCCG TGGTCGATGTGGGCAATGATGGAGAAATTTCGGATATTTTTCATTAGAGTTGTTTTGAAT GTCGGACAGTGGGTTTGGGAAATGCCGTCTGAACAAACGGCGTTGCGTCCGAATATCGGG TGCAACGTGGAAATAGCCCGTTATTCTAACGGAAAACCGCTGTTTTGGCATAAGTTTGAT AAAGGTCTTATAAAGATTTGACGATTTCTGCCACCATTTTTGCGGAATTTGCCGCCGCCG TTTTCAAGAACTCGTCAAAGCTGATGTCTGCTTTTTCATCTGCCGAATCGGAAACCGCGC GGATGATGACGAAAGGCGTTTCCAACTGATGACAGGTTTGGGCGATTGCCGCCGCTTCCA TTTCCACTGCTTTGACTTCGGGGAAGTGCTTGCGGATTTCCGCCACGCCTTCGCTGCTGT GGACAAAGCGGTCGCCGCTGACAATCAGCCCTTGTTCTACCGCCGCGCCTTCAAACGTCC GCGCCGCCCGTTTTGCCGCCTCAATCAAAATGCCGTCTGAAGCAAACCTTGCCGGCAGTT GCGGCACTTGTCCCCAGGCATAGCCGAATGCGGTTACGTCGACATCGTGGTGTGCGGTTT TGTTGATGACGCAGTCCGCTGCGAATTCACGGATAATCCAAGCCGTTGCAACCGCCGCGT TGACCTTGCCGATGCCGCTCAATGCAAGCACCATGCGTTTTCCCGCCAATTCGCCTTCAT AGGCGGAAAATCTGCCGAAAGAGACGGCTTTGACATTTTCCATCATCTCGCGCAAAAGCT CGATTTCTTGTTCCATTGCGCCGATAACGGCTACTGTTTTCAAAGACATATTGCTGACCT GTTGTGAATTTCGGATAGAATGCCTGATTATACACGCTAACACGCCAGGATTGAGTGGAG GTGGTTTGTCCGTGCCGTCTGAAACGGTTTCAGACGGCACGGCGGGTTTTTGGTAGAATG GGAAGGTACAGATTGTTTGAAGATTAGGGGACGAGGATGTTTACCGATGAAAATATGACC GCAAAGGAAGAACTGTTCGCATGGCTGCGCCATATGAACCAAAACAAAGGTTCCGACCTG TTCGTGACAACCCATTTCCCGCCCGCAATGAAGCTGGACGGCAAAATCACCCGCATCACG GACGAACCGCTGACGGCGGAAAAATGTATGGAAATCGCCTTTTCGATTATGAGTGCGAAG CAGGCGGAAGAATTTTCATCGACCAACGAGTGCAACTTCGCCATCAGCCTGCCGGACACC AGCCGCTTCCGCGTCAATGCGATGATACAGCGCGGCGGCGGCGGCGTTGGTATTCCGTACG ATTACCAGCAAGATTCCCAAGTTTGAAAGCCTGAACCTGCCGCCAGTCTTGAAGGATGTC GCGCTGAAAAAACGCGGGCTGGTTATTTTTGTCGGCGGCACCGGCTCGGGTAAATCGACT GAAGACCCGATCGAGTTTGTCCACGAACACAAAAACTGCATCATCACCCAGCGCGAGGTC GGCGTGGATACGGAAAACTGGATGGCGGCGTTGAAAAACACGCTGCGTCAGGCGCCTGAT GTCATCCTTATCGGCGAAATCCGTGACCGCGAAACAATGGACTACGCCATTGCCTTTGCC GAAACGGGGCATTTGTGTATGGCGACGCTGCACGCCAACAGCACCAATCAGGCACTCGAC CGCATCATCAACTTTTTCCCCGAGGAGCGGCGCGCGAACAATTGCTGACGGATTTGTCGCTC AACCTTCAGGCGTTTATTTCGCAACGCCTCGTTCCGCGAGACGGCGGCAAGGGCAGGGTG GCGGCAGTCGAGGTGCTGCTCAATTCGCCCCTGATTTCGGAGTTGATTCACAACGGCAAC ATCCATGAAATCAAAGAAGTGATGAAAAAATCCACTACCCTGGGTATGCAGACCTTCGAT CAACACCTTTACCAATTGTATGAAAAAGGCGATATTTCCCTGCAAGAAGCATTGAAAAAT GCCGATTCCGCACACGATTTGCGTTTGGCGGTACAGTTGCGCAGCCGCCGCGCGCAAAGT ATGATTTATCCGTGGCATAATGAGCAATGGCGGCAGATTGCGGAACATTGGGAGCGTCGT CCCAATGCATGGCTGTTTGCCGGCAAAAAAGATACGGGGAAAACTACATTTGCCCGCTTT GCGGCGAAGGCACTGTTGTGCGAAACCCCTGCACCGGGCTGCAAACCCTGTGGCGAATGT ATGTCCTGCCATCTGTTTGGACAGGGAAGCCATCCCGATTTTTACGAAATCACCCCCTTG TCGGACGAACCCGAAAACGGACGCAAACTGTTGCAGATCAAAATCGATGCCGTCAGGGAA ATCATCGATAATGTGTACCTGACTTCGGTACGGGGGGGGTTTGCGCGTGATTCTGATTCAT CCTGCGGAAAGTATGAATGTCCAAGCCGCCAACAGTTTGTTGAAAGTGTTGGAAGAACCG CCGCCACAAGTGGTCTTTTTGCTGGTCAGCCACGCGGCGGACAAGGTTTTACCGACCATT AAAAGTCGCTGCCGGAAGATGGTTTTGCCCGCTCCTTCCCATGAAGAGGCATTGGCATAT CTGCGTGAAAGGGGTGTGGCGGAACCTGAGGAACGTCTGGCTTTCCATTCCGGAGCGCCG CTGTTTGATGAGGCGGACGGTGTCCGTGCGTTGCGGATTAAACTGTTGGATATTTTGGCA GAACCAAGGTTGTTGAAGATTTTGGATTACGCCGCGCTTTTCGATAAGGAAAAACTTCCG CTCGCCGTATTTGTCGGGTGGATGCAGAAATGGCTGGTCGATTTGGGATTGTGCCTGCAA CACATGAAACCCGTCTATTATCCCGCTTATGAAGACAGGCTGCTTCAGACGGTATCCGGT TTCCGTCCGCGCAATGTATTTGCGGCGGAGGATATGCTCAAACAGCTTGCCCCCTACGGG TTTCATACTTTAAATGTCAAAATGCAGATCGAGCATCTGCTCATCAACTATTTGGAATTG AAGAAAGAGAACGGGTGAATTATGTCAGACGGACAAAATATTCCGGCAAAAATGATGTCG TTGCAGCTGAAAGACATGAATCTGCTGTACAGCTCCTACATGCCGTTTTTGGAACACGGC GGTCTGTTTGTGCAGACCAACGACGTATTTTCCATCGGGGACGATATTCTGCTTGCCGTA GAAATCCTCAACTTCCCCAAACTGTTCCTGCCGACCAAAGTCGCCTGGATCAATCCTGCG CGTACTTCCTCCAAACCCAAAGGGGTGGGGCTGGCATTCACAAAACACGAAAACTGCCTG AAAGTCAAAGACCAGATCGAAGTCGAACTGGGCAACACAATCGGCGGCAGCAGACCTACG TTTACCATGTAACGCCATGCATATCATCGATTCGCACTGCCACCTCAATTTTGAAGGTTT CGCCATCAGCGTCAGTAGGGAAAGCTTCTCCGAAGTCTTTGCCATCGCCGAAGCGCACGA ACACATCTATTGCACCATAGGCGTACATCCCGACAGCAAGGAAGCCGAAGAATTTTCCAT TGCGGAAATGGTCGAAGCCGCCGCCCATCCGAAAGTGGTCGGCATCGGCGAGACGGGTTT GGATTATTACTGGTGCAAAGGCGATTTGTCCTGGCAACACAAACGCTTTGCAGACCACAT CGAAGCAGCCAATCAAACCGGACTGCCCGTTATCGTCCATACGCGTGATGCGGCGGCGGA CACCTTGTCTATCCTGAAAGAATGCCGGGTTAATTCGGGCGTTATCCACTGTTTTTCCGA CGTTACCTTTAAAAACGCACCCTTGGTTCAGGAGGCGGCGAAATATGTGCCGGACGACCG CGAACCGGCTTTTGTGCGCCATACCGCCGAACATATCGCCCAAATTGCGGAACCAAACATT -GGAACAGGTTGCGGCATATACGACGGAAAACTTTTACCGGCTGTTTAAAAAAGTACCCGA TATGCGGACCGTCTGACCCTGTACCGACGATAAGGAAAACCATGAAGGCAATTCATCCGT

ATGCATGTCCGCGCTGCCGGCTGCCAACACGTTTCGGACAGGCATGGCAAATT GCGGCGGATATGCCCTGTGCCATTTGCCGGACAGCAGGATTGTCGAGGAGTGGGAATATT TCCGTTCACAATATTGATACTGCGCGATATACGGCAAATATTGTGGGAAGTTTCCGCTTT TGCGTATAATGCGCCCTACCTGACAAATTTTGTCAACTTTATCAAAAGGAATAAGCGATG GCTTCCATCCACGACCAAATTAAAGAAGTAGTAACGACACCGCGTCGTATTGTTTATG AAAGGTACGAAGCAGTTTCCGCAATGCGGTTTCTCTCCCGCGCCGTGCAAATCCTGAAC GCGGCAGGCTGCACCGATTACGTTACCGTCAACGTATTGGAAAATCCCGAAGTGCGCCAA GGCATTAAGGAATACAGCGACTGGCCGACCATCCCCCAACTTTATGTGAACGGCGAGTTT AAAGCCTGATGGATTCGGCAATGCCGTCTGAACGTGTTTCAGACGGCATTTTCTTTTCCG GCAAATCAAAAAAAAGTATAATGGCGCGTCTCAAAATCACATTGGAACACCGCGATGAAC TGCAGCACCTACAAATTCCGGACGCTTGCCACCGAGCTGGCGCGCCTGATGGCATACGAG GCAAGCCGTGATTTTGAAATCGAAAAATACCTTATCGACGGATGGTGCGGTCAGATTGAA GGCGACCGCATCAAGGGCAAAACATTGACCGTCGTTCCCATACTGCGTGCAGGTTTGGGT ATGCTTGACGGTGTGCTCGACCTGATTCCGACTGCCAAAATCAGTGTAGTCGGACTGCAG CGCGACGAAGAACGCTGAAGCCTATTTCCTATTTTGAGAAATTTGTGGACAGTATGGAC GAACGTCCGGCTTTGATTATCGATCCTATGCTGGCGACAGGCGGTTCGATGGTTGCCACC ATCGACCTTTTGAAAGCCAAGGGCTGCAAAAATATCAAGGCACTGGTGCTGGTTGCCGCG CCCGAGGGTGTGAAGGCGGTCAACGACGCGCACCCTGACGTTACGATTTACACCGCCGCG CTCGACAGCCACTTGAACGAGAACGGCTACATCATCCCCGGCTTGGGCGATGCGGGCGAC AAGATTTTCGGCACGCGCTAACTGACTGATTTTCGGAGTTGATATGAATTTTCAAGACTA TCTCGCCACATTTCCTTCAATCGACCATCTGGGCGGTTTGGACGTTCAGGATGCCGACGG CAAAACGGTTCACCACATTCCTGCCGTTCAGGGTAAGCTCGGTTCGCTCAAGCTGTACAA TGCTTTGGCGGAACGTTTTGACGGAAAATTGGGTAAAGAAGCGGCAGAACAGGGTTTGAT ATGGTTTGCCGAACACGTTGCCGACGCGCGTGCCCATCCGGGCAAGCATCCGAACATCGA TCTGCTGGAAAATGTCGTGCAAAGCGGTGAAACCTGGTTGCTCAAGCCGCTTTCCGCGCA ATAATTTTCGACCATGCCGTCTGAAATCCGTTTCAGACGGCATTTTGTCGGAAAGAAGAC GACGACACATAAAGCGCCGCCCTATGTGTTGCCCTAATTTGGAAGGGGTTACACCCTTTT CAAATAAAATCTGATGCTGCCACGAAGGACGGATGTCCGAGTGGCGGGGTTTCAACC ATTAAGGAAATACGATGAAAAAAATGTTCCTTTCTGCCGTATTGCTTCTGTCGGCTGCCG CCCAAACCGTGTGGGCGGATACGGTGTTTTCCTGTAAAACGGACAACAACAATACATAG AAATTGCCATACGCAACAGCAAAGCTGACCTGTTGGGGCGTTCCGACAGGTGGCAAGGTA TGGGCAGCGGTCGTTGGGCAACGATGAAATTCCAAAACGGCGAATTTATGTACACCATAT GGACAGGCTTCGATTCCGTGACTCATACGGAAAGCAGCGGTGTCGTTGTGGAGCGTAGGG GCAAGGAAGTCGCACGGGTCGGCTGTACGCCGAAAACCGCGCAGGCGAATTTCAACGATG ACGATTTTCCTAGTAATCGGGGCGGATAAGGCGATGGAAACAGCGAAACCCGTCATGCT GATTGTCCGTCCGTCGGGCAGGGCCGCAGAAGATGTCGAAACTTGCCTGAATGCCGGTTG GCGCGCGGAAGTATTGAGTCCGGTCGAAATCGAAGCAGATGCTGCCGGACTGGAACTTTT GTCCGAACAATATGCCCGTGCGGATGCCGTGTTTTTGGGTCAGTCCGACCGCCGTTGAAAC CGCCGTCCCGTACCTTAACCTTTCAGACGGCATAAAGGCGCAGATTGCCGTAGGGCAGGG CAGCCGCCGCATTGGAACGCTGTTTGGTCAGAACGGTCATCGCGCCTGATGACGGCAA CGACAGCGAGGCGGTTTTGCGCCTGCCGGTTTGGAACAGTCTGCCCGAAGGTGCGCGCGT ATTGTTTGTGCGCGGACACGGCGGGCGGGATTTTTTGATGAATGCCTTGCAGGAGAAAGG TTTTCGGACGGAGGTGGCAGAAGTCTATTTCAGACGGCATAAACCTTTGAACTTTCAAAA TTTCCAAACCGAAAATATTGCCGCCGCCTATATTACGTCGACCGAGCTGGTGCGCTTGCT GTTCGGGCAGCTTCCGCCGCAATTTTCCCGATTCTTCAAATCCTTGCTATACTTTACCCA TCATCCGCGCATTGCGGAGGCATTGAAGCGCGAAGGCGTGTGTTCGGTCGAAACCGTCCC TACGCTGGAAGCCGCGCTTTCCCATTCTTCCATTTCCGTTTCAGACGGCATGGTCTTTCC CGGAACCTCAAATTAATAAGGAGCAAAACGGTGGGCGAACCTGAAAACAAATCATCCGAA CCCGTACGCGAGATACAGGCATCAAAAGAAATGCCGTCTGAAACCTCTTCCCCACGCAAA GAAAACGAAACAGAAGTACACATTCCTGCCGCTCCTTTTATCGTCAAACAGTCCGGCAGC AACGCTTTGGCAGTCTGCGCCCTGGTATTGGCGGCATTGGGTTTTGGGTACAAGTGGTTTT TTGTTTGTCCAAGGACAGAATGTCTTGAAAAACCAAGAGCTGGCATTCAACCAAAAAATC GACAAAGCCGCCTTGGGCGAGTCGGAAAACGCCGCCCTGTTGAAAGACAACCTCAACCGG CAAGCCGCCATACAATCAGAGCTCGACCGTTTGGACGGAAACGTCAAAGCAAACGGCGAA CAAATCTTGGAAATGCAAAAATCCTATCGCGAGTTGACCAAAGGACGCGCCGATTGGCTG GTGGACGAAACCGAGACCATACTCAATCTGGCGGCGCAACAGCTGGTGTTGACTGGCAAT ATCCAAACGGCAGTCGGCGTATTGGAGCATATCGACAGCCGCCTGTCCCGTTTCAATCAG GCAGAGCTTCTGCCGATCAAGCAGCGGCTCAGCAGCGACTTGGCGGAACTGAAAAACCGT CCCTATGTCGATATTTCCGGCACGGCATTGCGCCTCGACAGGCTGGAAACCGCCGTATCC GGACTGCCGCTGATGCTCGACGGCGTGCTGAAACCGGGCGTACAGGTGAAGAACGAAGCC GCTTCCGCTTCATGGTGGCAGAACGTATGGGAAAAATCCCTCGGCACATTGAAGGGGCTG GTCGAAATCCGACGTTTGGAAAACAACGATGCCATGCTGATTTCTCCCGAACAGGCATAT TTTGTGCGTGAAAACCTGCGCCTCCGCCTTTTGGATGCGCGCACTGCATTAATGCAGCGC AACAGCGAAGTCTATCAGGGCGATTTGAACAATGCCGAAGCCGCCGTCAGACAGTATTTC GATGCCAAGTCTCCCGCCACGCAGTCGTGGCTGAAAGAACTGGCGGAATTGAAGGCGTTG GATGTGCGGATGACTGCGGATGACGGTTTGAAAAACAGCCTAAATGCCGTCCGCGCCTAT CGCGACGGTACGCGCATGACGGCGGCGGGAAAATCAAGAAGCGGAACAGGCGGCTTCCGAA CCGGCAAACGAAAAAACAGCTTCCGAACCGGCTGCCGCATCGGATGTGAAGACCATAGAA ... GCACCGTCCCTGCCTTCGGAACGCAAACCGGAACAGCCTGCAAAAAAACAGACCGTACCG GAAAAGGCAGGCGTTCGCCGTCCGCTAAAGGAGAACGCGCATGAAAACGGTAGTCTGGA

TTGTCGTCCTGTTTGCCGCCGCCGCCGTCGGACTGGCGCTCGGGCATTTACACCGGCG ACGTGTATATCGTACTCGGACAGACCATGCTCAGAATCAACCTGCACGCCTTTGTGTTAG GTTCGCTGATTGCCGTCGTGGTGTGTATTTCTTGTTTAAATTCATTATCGGCGTACTCA ATATCCCCGAAAAGATGCAGCGTTTCGGTTCGGCGCGTAAAGGCCGCAAGGCCGCGCTTG CCTTGAACAAGGCGGGTTTGGCGTATTTTGAAGGGCGTTTTGAAAAGGCGGAACTAGAAG CCTCACGCGTGTTGGTCAACAAAGAGGCCGGAGACAACCGGACTTTGGCATTGATGCTGG GCGCGCACGCCGGACAGATGGAAAACATCGAGCTGCGCGACCGTTATCTTGCGGAAA TCGCCAAACTGCCGGAAAAACAGCAGCTTTCCCGTTATCTTTTGTTGGCGGAATCGGCGT TGAACCGGCGCGATTACGAAGCGGCGGAAGCCAATCTTCATGCGGCGGCGAAGATGAATG CCAACCTTACGCGCCTCGTGCGTCTGCAACTTCGTTACGCTTTCGACAGGGGCGACGCGT TGGAACGGTATCAAAATTGGGCATACCGCCGCCAGCTGGCGGATGCTGCCGATGCCGCCG CTTTGAAAACCTGCCTGAAGCGGATTCCCGACAGCCTCAAAAACGGGGAATTGAGCGTAT CGGTTGCGGAAAAGTACGAACGTTTGGGACTGTATGCCGATGCGGTCAAATGGGTCAAAC AGCATTATCCGCACAACCGCCGCCCCGAGCTTTTGGAAGCCTTTGTCGAAAGCGTGCGCT TTTTGGGCGAGCGCGAACAGCAGAAAGCCATCGATTTTGCCGATGCTTGGCTGAAAGAAC AGCCCGATAACGCGCTTCTGCTGATGTATCTCGGTCGGCTCGCCTACGGCCGCAAACTTT GGGGCAAGGCAAAAGGCTACCTTGAAGCGAGCATTGCATTAAAGCCGAGTATTTCCGCGC GTTTGGTTCTAGCAAAGGTTTTCGACGAAATCGGAGAACCGCAGAAGGCGGAGGCGCAGC GCAACTTGGTTTTGGAAGCCGTCTCCGATGACGAACGTCACGCAGCGTTAGAGCAGCATA GCTGATTTTGGGAAATATCTTTATCTGGGAGAATTTGATGGGGTCTTCAGATTCCTTTAA GGAAAAGAAAGAAATATTTGAAATTGGAACGCCTGCTTATCGCCAAAAGTTAATTGATGT TTGGAAAAAGAGCATTAATGGAAACGAAAAATCTTGGGTGCTCTTTGAAAATGGGACTTG CGTCATTTTACTTGAACCGGAAAAAGATTTGGCGAAACAAGCTAAAGAGATGTTAAGCAA ATGGGGCAAGGTTCAAATAGGAACACCATCTGCAGATTTTGGCATTATCACTTTAGATAG TGGCGATGGATATGCCGTTTCATGCCATCATCCCGAAATTTTTACGCTAATCCTAAAAGA AGAAGGATTGGATGAAGATTTCAAAATCGGTATCGAAGGGCGCTCTCATCGCGATTGTGA TGCTGAAGAACCCAAAGTTATCCATATCGAAGATAAACGCACCATTGAAACCCCATGAAA TTTCAGACGACCTTTCATTGCGGAAACCGCCGCAAAGGTTGTCTGAAAACCGTTTTCCTT CCCCGTTTTACAAACAAACCGAAAGCCCCACATGATCTCTTTGAAAAACGACACTTTCCT CCGCGCCCTGCTCAAACAACCTGTCGAATACACGCCGATTTGGATGATGCGCCAGGCGGG GCGTTATCTGCCCGAATACAAAGCCACACGCGCGAAAGCGGGCAGCTTCCTCGATTTGTG CAAAAACACCGAATTGGCGACCGAAGTTACCATCCAACCTTTGGAACGTTTCGATTTGGA CGCGGCGATTTTGTTTTCCGACATCCTGACCGTCCCTGACGCAATGGGCTTGGGACTGTA TTTTGCCGAAGGCGAAGCCCGAAATTCAAACGCGCCCTGCAACACGAGGCCGACATCGC CAAGCTGCACGTTCCCGATATGGAAAAACTGCAATACGTTTTCGACGCGGTAACTTCCAT CCGTAAAGCATTGGACGGCCGCGTACCGCTCATCGGCTTCTCCGGCAGTCCGTTCACGCT CGCCTGTTATATGGTCGAAGGCGGCGGCAGCAAAGAATTCCGCACCATCAAAACCATGAT GTACTCGCGCCCCGATTTGCTGCACAAAATCCTCGATACCAACGCCCAAGCCGTTACCGC CGGCGTGTTGAGCGATGCGGCGTTTAAAGAATTCAGCCTCAAATACATCCGCCAGATCGT CGCCGGACTCAAACGCGAAAGCGAAGGCCGCCGCGTGCCTGTTATCGTATTTGCCAAAGG CGGCGGGCTGTGGCTGGAAAGTATGGCCCAAATCGGCGCAGACGCATTGGGCTTGGACTG CCTAGCCGACTACGGACACGGCAGCGGCCATGTCTTCAACCTCGGACACGGCATCAACCA ACACGCCGACCCCGAACACGCCAAAATCTTAGTCGATACCGTACACGAGCTGTCTCGGCA GTATCACGGCGGGTAAGCCGGCAGGAAACCGCCCGATATGCCGTCTGAAGCCGAGAGATG GCCGGTTAGGGTAAAAATAAGGCAATGCGGCAATATCCGCCGTGTACGGATAGTACATGA CGGCGGCGTTGTCGTATTGGCGCAATCCCAACCGTCCCTATGTTCAGACGGCATTTTTGT TTTCAGATGCAGGGAAAACCGATGGCAAAAACGCTTAAAACCCTTTACCAATGCACCGAA TGCGGCGCACTTCGCCGAAATGGCAGGGCAAATGCCCGCATTGCGGCGAGTGGAACACG CTTCAGGAAAGCCTTGCCGCGCCCGAGCCGAAAAACGCCCGTTTCCAATCTTGGGCGGCG GATACCTCGACCGTCCAATCCCTCTCCGCCGTTACCGCCACCGAAGTGCCGCGCAATCCG ACCGGTATGGGCGAACTCGACCGCGTATTGGGCGGCGGTTTGGTCGATGGTGCGGTCATC CTGCTCGGCGGCGACCCCGGCATCGGCAAATCCACGCTGCTGTTGCAAACCATCGCCAAA ATGGCGCAAAGCCGTAAAGTGCTATACGTTTCCGGCGAAGAATCCGCCCAACAAGTCGCC CTGCGCGCGCGCGTTTGGAACTGCCGACCGACGGCGTAAACCTTCTTGCCGAAATCCGC ATGGAAGCGATTCAGGCGGCCTTGAAACAGCATCAGCCCGAAGTTGTCGTCATCGACTCT ATCCAAACCATGTATTCCGACCAAATCACGTCCGCCCCGGCTCCGTGTCGCAGGTGCGC GAGTGTGCCGCCCAACTGACGCGCATGGCGAAACAGATGGGCATCGCCATGATACTGGTC GGACACGTGACCAAAGACGGCGCGATTGCCGGCCCGCGCGTGCTGGAACACATGGTTGAT ACCGTGCTGTATTTCGAGGGCGACCAACATTCCAACTACCGCATGATACGCGCCATCAAA AACCGCTTCGGCGCGCAAACGAACTGGGCGTGTTCGCGATGACGGAAAACGGTTTGAAA GGTGTGTCCAACCCGTCCGCCATCTTCCTCGCCAGCTACCGCGACGATACGCCCGGCTCG GATGACGCGCACGGCTTCACGCCCAAACGCCTCACCGTCGGACTGGAACAAAACCGTCTT GCGATGCTGCCTGTTAAACCGCCACGGCGCATCGCCTGTTTCGATCAGGATGTG TTCCTCAACGCCGTCGGCGGCGTGAAAATCGGCGAACCGGCGGCGGATTTGGCGGTCATC CTCGCGATGCTTTCCAGCTTCCGCAACCGCCCTATGCCTGAAAAAACCGTGGTTTTCGGC GAAATCGGCTTAAGCGGCGAAGTCCGCCCCGTCGCACGCGGGCAAGAGCGGCTCAAAGAA GCGGAAAAACTCGGCTTCAAACGCGCCATCGTCCCCAAAGCCAATATGCCGCGCAACGCC AAAGAGTTTCCGAACCTGAAAATCTAGGGCGTTTCGAGTTTGCAGGAAGCCATCGATATT TGCCGCGACAGCAGGGAATAAACGGAAATGCCGTCTGAAATCGGGTTTCAGACGGCATTT

GGTTTGTGGCGGATTGAAACAAGAAGGCATACCGGCGACAGATAAGATTTGCGGCAAAGT TGCCTGTGATGTGGCAAAAACACACACGCCCGTCATCCCCGCAAGGGTGGGAATCCGGAA TCGTCCGTTTCGGCAATGATGAAAATCACGGTAACCCAACCGATTGGATTCCCGACTTC GTGGGAATGAGGGGCGTGTGCATTTGATTTCCATCCGCCATATGTCGGCGACGGGCTTAT TCGCCTACGGTTTTTTGTATCAGTTTTTCGGCGTTTGCCAAAGTGTTTGCCACTTCGTCG AAACCGATGCGGCTGCCGGCGATGAGGGCGCGCGTATCGGTATAGGCGGCGCGTACTTTG CCGTCCGTTTCGGTAACGAGGACGCGTAGGGGCAGTTGCAGGGCGAAGGCGGGGTCTTTG ACCATCAGCGGCGTGCCGGCTTTGGGCGTGCCGAAGACGATGACTTTTGCCGGCTGCATC GTTAAGCCGTTTCGGCGGGCGGCTTCCTGATGGTCGATGACGGCAAAAATGTCCATCCCT TTGCTTTTTATGGCGGTTTCAAGGCGGCTGACGGTTTCGTCAAAACTGTATTTTGAGGTG AGGGTATGCGTGGTCATAGCGGTTTCGTTTTGGGTGGACGGTTCGCTGGCAGGATGTGCC GAAGCGGTTGAAATGCAGAGTGCGGATGCGGCAATCAGGGGGAGTATGTGTTTCATCGTA TTTCCTTTTTCCTTTTTGGTTGAAACGGTAGAATCAGACTTTATTCGGGAGGGGTGTAAC CCTTTCCAAATCAGGGCAACACATAGGGCGGTGCTTTATGTGTCGTGAAACATCATTGTT CCGCGTGCCGGAACGCCGTATGCCGTCTGAAAGCCTGTCCTTTCAGACGGCATTGCGTCA TTTCATCCCTTTTTTGAGCAGGTCTTCATAACCGCCGTGATTGGCAACATTTGTATAACC TGCTTTTTTCAGCTCTTGAAGGGCGGCTTCGGCACGCCGTCCGCTGCGGCAGTAGAGGTT GACCGCCGTGTCTTTGTCGGGCGCGGCTTCGTGTATGCGGCGGACGATTTGGTCGACGGG GATGTTGACCGCGTTGTGCAAATGCCCTTCGCTAAATTCCTGTTCGGAACGGACATCGAT CCAAACGGCCGGATGTTGCGCGGTTTTGGGCGGCGGATACGGGTTTTTGCGGGGCTGCCTG CGCGGCAAAGGCGGCTGAGGCAATGAGTGCGGCGGTAATCAGGTGTTTGATATTCATAGG GTTTTCCTGCGGTTGTTGTCCGAAAGGACGGGAAGTTATTTTATCTGTTCCAAAGCGGCG GCATCTATGTCCCAACGCCAAACGCCGCCCCCTTTGCCATCCAATCCGCGCAAAAACAGG TAGCGGACGGAAACGGCGGCGGCGGTTGTCCGCGCAGCTTGAAGTAGCGTGCGGCGGCA ACGGCGTAAATCAGTGCCTGAAGGTAATAGTGGTGGTGCGACGGCTTCGTCCATTGCC TGTTGCGTGTAGGCGGATGCGTCCGTACCGAGGTGGTTTGATTTGTAGTCGATGACGCAG ATATTGCCGTCGGGGTCTTGGCAGACCATATCGACAAAGCCGTTTAAAAAGCCGTTGACG GTGTGGAAGTCGAGCGTTTCGGCAGCGGCACGCAGACTTCGGGCAGCCTGATGTCGTCG CGGGCAAACCAGTCGCGCAGGCGTTTGAGGCTGAAGTCTTCGGTGTGGAGGGTAAAGCCC ATTTCGGGACAGCGGCACTCGGGTGAGATGTCGGACAGGTCGTATGCCCCCGTCAGCGGC GTTTTGCGGCAGGCTTCCGCCATTTCGGCAACGGCGGCAGCCATATTTCTTCAAAACCG TATTTTTTCAGCTTGTCGGCAATGAGGGTTTCCTGTCCGGCGGCTGCTTGTCCGAATTTG AAATCTTCAAGAATTTCGTGCAGGCACAGCCCCGCCTGCGTGCCTTTCGGAAAATCGTGT ATCGATATGCCGTCTGAAGCCGTCGGCGTTTCAGACGGCATCGCCGGCACCGAGGTTTCG GCGGCATCCAAGGACGGGCAGCATCTTCTTCGCCGCCGTCGGGCGTTTGGGTATGGCGG CTTAAGGCGGTAAAGCTAGTGTGGCGGACAAATCGGAATCCGCGTTCGGGAATGCTGTTT TCGGTGAAGGCGAAATTTGTGCCGGAAGGGGCGTTGTCCGCCACGCCCCCCAGTTGCGT TTGAGCATCGCGATGCCGTCTTTTTCACACGCATAGGCACGGCGGACGGTTTCACGGCTG TCTTGGGGCGAGCCTTCAATCAGGTAGGCGAGGGGGTTGTCGGCAGTATTGGTGGAGTAC GCGGCGTAGATGTTGAGCTGTTCCTCGGCACGCGTCAGCGCGACATAAAGCAGGCGCAGG CGTTCCGCCATTTCTTCATCGGCGTATTGTTTCTGTTCGTCTTCCGACAGTTGCGCCTTT GCCAACAGTTCGGTTTGCGCCTTGGTGGAGGATTTGCCAGTCGGACGGTCCGGTA TCTTGCGCGTCCCACGCAAACGGGCAGTACACCAGCGGATACTGCAAACCTTTCGAGGCG TGCATGGTAACGATTTTGACCAAATCTTCGTCGCTTTCCAGACGGATGGCGCGGTTGTCG CCGCTGTTGTTTTCGGCAAGGCTGATTTGGTCGCCCAGCCATTTGTGCAGCGCGGGGG TTGCGGTTTTGCGCGTCTTCGGCGGCAAGCAGTTCGAGCAGTTGGAAATAATTGGTCAGA CTGCGCCCGTTGTTCCGGCTTAAGAGGCGCGTTTCGATGCCGTGTTTTGGGAAAATTGC TGCATAGCGGCGAAAATGCCGTATTTATTCCAGTTGTCGAGTGCGGTTCGGGCAGATTCC GCCCAATGCAAAATCTCGCTTTCGTTTTGGTTGAAGTCGTGCAATTGCTGCGCGTCATAA **AAGCCGATGAGTGCGGACAGGGCGGCGGCTTCGGGCGAGGCGAACACAGATTCGCGCGAA** AGCAGGACGCTTTGCACCTGCCGTTTTTTCAGGGCGGCGGAAACCATCACCGCCTCGTTG TGCGTGCGTACCAGCACGGCAATATCGCCCGACTGCAACGGGCAGCCTTTGAAATTCAGA CGGCCTCTGGCGGCTTCGTTGAGCGCGTGGGCGATTTCGTCGGCGCAATAGTCGGCGGCA CGGCGGCGCAAAACGTCTTTGTTGGCTTTTTCATTGTCGTTTTCGTGCAGCCAACGAACC TGTACGGCAGGACGTTCGGGGGACAGCCTGCTTTCGGCACGCCGCCGCACCGACTTCCGAA TAGCCGATGTTTTCCAAAACGAACGGGCGTTCTTTGAGGCGGAACAGCGCGCCTATGCTG CCGATAAGCGCGGCGTGGCTGCGGTAGTTGGTGGCGAGCGTGTAGCGGTGCCGCGCGTCT TCCGCCGCCTGAAGGTAGGCGTAAATGTCCGCTCCGCGAAAGCTGTAAATCGCCTGTTTG GGATCGCCGACGAGGAACAGCGGTCGGTTTTGGGCGATGAAAATCTTTTGGAAGATTTCG TATTGCAGCGGTCGCTCTTGGAACTCGTCGATCAGCGCGGTTTCCCAGTTTTCGGCA ACGGCGCGGGCGAGAGTGTCGGCGTGCGGATTGTCGGTCAGCGCGGTGTGGACATCGAGC AGCAGGTCGTCGAAACCGCGTTCGCGGCGCGATTTTTTCATCTCGGCAAGGCTGCGGTTG AGGTATTCGATTAAATCCAGTTGCAGCCGGATCATTGTTGCTTCTTCCGCTTCTTCGAGT GCGTTCAAATCGCGCCCGAAGTCTGCCAGTTTCTGCAATTCGGCAAATACTGCCGCATCG GGCGTTTTGCCTTTTTCAGTCCGGCTTCGAGTTTGTCGGATGCAAGTTTCAAGAGTCTG TCGTGTGTGTCTTTGTCCAGAAAGGGCAGTTGTCCGGCGGCGGATTTTTGTGCCAGTTCT TTAAAAAGGTTGCCGAAGCTGTTTTTGCGGTAACTGTTGCCGTTGAGGTCGGGATGAATG CGCCAAAAGCCGGCTTCCAGTTCTGGCAGCAGGCGGCAGATGGTTTGCCATGAGGTTTCG GCGTTGCGCTGCGCCTGTTTCAAATCCGCCTGCGGACGGCGGAAATTCAGGTACGGGCGG GAAAGATAGCGCGAAATTTGGGCAAGGACGGTTTGCGGCACAGCTTTGCGTTTAAGCGCC AATGCGGCAAGCACCGGATCATTGCTGACGCGTTCCCGGCAAAAATCTTGCGCCGGGATA AGCAGGCGGTCGCCGTCTTCTTCGGTCATTTCGACATCGAACGGTGCTTGGCACAGGAAG

GCGTAGTCGCCAGGATGCGCTGGCAGAAGCCGTGGATGGTATAGATGGCGGCGTTGTCG AATTGCCCGATGGCGGCCTTGAGGCGGACAATCAGACGCGTCCGGCCCTCTTTTTGCAAA GCCTGTTTTAAGAGTTCGGGCAGGAAGGTGTCGCCTTCGTGGTGTTCGGCGCAGTAGGCG GCAATGCCGTCTGAAAGCGTGTCGTCTCCAAGTTTGGCAATTCCTTTGCTTTCTAAAACT TGTAACACATCGTCCAAACGCCCGCGCAGGCGTGTTTTCAGCTCGGCGGTGGCGGCTTTG AACAGGGCGCAATGCCGTAGGTTTTGCCGGTGCCGGCAGAGGCCTCAATCAGGTTGGTG CCGGAAATGGGGACGGTTAGCGGGTCGAATGCTTGGATGCTTGCAGACATAGTGCGCGCT CGGAAAACGGTTGGACGGTAAAACGGGAAAATGCCGTCTGAAAAATGGTTTCAGACGGCA TCGTCCGGCTTAGAGGTTTTGCAGGCGTTCGACAGACGGCGCGTAGTAGTATCCGCCCGA ACTCAATAATTGCGCTTCGATATTGTGCAGCGTGCGGCAGTATGCGGTAAACATCAAACC GTGTTCGCCGCTGATTTTGCCGAAGGGCAGGCTGCGGCGGACGATTTTCAGGCCGACTCC GTTTTCTTTCAGGTTGACGCGGCCGAGGTGCGAATCGGGCAGGCGGACATCGCGGCCGAA TTCGTCGTCGGTTTCCTTGCCGCGTCCGACCGAGGCCTCCTGTTCGGCGACGGGGACGGC GGGTTTTCCTTCGGGGATGATGGCGACTTCGCGGGACATTTTCATCGCCCTGCGGGTTTTC CGTGCCGTCGACGAAACCGTCCAGCCCGCGATCCTGATACAGGCGCAAACCGTGTTCTTC GGACGCGACGCATATGCTGTCGCCGAACGCGCCCAAAACGGATTGGGCAAGCGCGTAGGC GGCGTTTTGGCGGAAGGATTGGATGTGGATGGACATATCGTGCTGCGTGGACGGCGCAAG CCCGTTGCCCATTTCGGAGAAGGGTTTGATTTCACTGCCTTCGTCCGTATGTCCGAATGT TGCCCAGGCTTTGCTGCCGAAGGCGATGGTCAGACCCAAAATATCGTCCGGAAAGCGGGC TTTCAAGGCAGTTAACGCGTCGAGCGAAGCGCGGCAGGCGGCTTTAATATCGTTGAGGCG ATTGGCGGCGAAGTCGGCTTCGATAAAGATGCCGGCTTGGGCGTGGTCGGGAATGATGGC GGATTGGGGCGTGTTCATGAGATGTTCCTTTTTGGTGTCATCTGTTTCGGATAGATTATA CCTGATGCCGCTTTTCGGTTTCGTGCCGCCCGCCGCCTTTCCCGCCCCCTTTATTTCCGC TTCCGGCGGCTTCGGCATATCTTTTCCATTCCGATTTGGAATAACCATATAAAAAAGTA TTCTTTGTGTTTGCCGCAATTTCACTTAGAATGCCGCACTTGCACACTTTTTACAGGAGA GGATGATGTTGAAAAAATTCGTACTCGGCGGTATTGCCGCATTGGTTTTGGCGGCCTGCG GCGGTTCGGAAGGCGGCAGCGGAGCATCTTCCGCGCCTGCACAATCGGCAGTTTCCGGTT CTTTAATCGAGCGCATCAACAATAAAGGCACGGTTACCGTCGGCACGGAAGGCACTTACG CACCGTTTACCTACCACGACAAGGACGGCAAACTGACCGGTTACGATGTGGAAGTAACCC GCGCCGTGGCGGAAAAACTGGGCGTGAAAGTCGAGTTTAAAGAAACGCAATGGGATTCGA TGATGGCGGGTTTGAAGGCGGGGCGTTTCGACGTGGTGGCAAACCAAGTCGGTCTGACCA GCCCCGAACGCCAAGCGACATTCGACAAATCCGATCCTTACAGCTGGAGCGGTGCCGTAT TGGTTGTCCGTAACGACAGCAACATCAAATCTATAGCCGACATCAAAGGCGTGAAAACCG CACAATCCCTGACCAGCAACTACGGCGAAAAAGCCAAAGCTGCAGGCGCAGATTTGGTGG CTGTTGACGGTTTGGCGCAATCGCTGACCCTGATTGAACAAAAACGTGCCGATGCAACCC TGAACGACGAATTGGCGGTTTTGGACTATCTGAAGAAAACCCGAATGCGGGCGTGAAAA TCGTTTGGTCCGCACCTGCCGATGAAAAAGTCGGTTCCGGCCTGATTGTCAACAAGGGCA ATGACGAAGCCGTGGCGAAATTCAGTACGGCAATCAACGAGCTGAAAGCCGACGGTACGC TGAAAAAACTGGGCGAACAATTCTTCGGAAAAGACATCAGTGTTCAATAATTTCCTTGCT TCGCTGCCGTTTATGACGGAAACACGCGCCGATATGATTGTCAGCGCGTTTTTGCCTATG GTCAAAGCCGGCTTCGCGGTCTCTCTCGCCTTTGGCGGCAGCTTCTTTCGTTATCGGTATG ATGATTGCGGTAGCCGTGGCTTTGGTGCGGATTATGCCCGCCGGCGGCATCGTGCGGAAA ATCCTGCTGAAATTGGTGGAATTTTATATTTCCGTCATTCGCGGTACGCCGCTGTTGGTT CAGCTTGTGATTGTGTTTTACGGGCTGCCTTCCGTCGGCATCTATATCGACCCGATTCCT GCCGCCATCATCGGCTTTTCGCTCAATGTCGGCGCATACGCTTCCGAAACCATACGCGCG GCAATTTTGTCCGTACCTAAAGGCCAATGGGAAGCAGGTTTCTCCATCGGCATGACCTAT ATGCAGACGTTCCGCCGCATTGTCGCGCCGCAGGCATTCCGCGTTGCCGTCCTTTG GAATTATTCCGCGTCGCGCAGGAAACGGCAAACCGCACTTATGACTTTTTGCCCGTCTAT ATCGAAGCCGCTTTGGTTTACTGGTGTTTTTGTAAAGTGCTGTTCCTGATTCAGGCGCGT TTGGAAAAACGTTTCGACCGCTACGTCGCCAAATAAGGAGTTGTCATGATTAAAATCCGC AATATCCATAAGACCTTTGGCGAAAACACTATTTTGCGCGGCATCGATTTGGATGTGC AAAGGGCAGGTGGTCGTCATCCTCGGGCCTTCCGGCTCAGGCAAAACGACGTTTCTGCGA TGCCTAAACGCGTTGGAAATGCCCGAAGACGGACAAATCGAGTTCGACAACGAGCGACCG CTGAAAATCGATTTTCTAAAAAACCAAGCAAACACGATATTTTGGCACTGCGCCGCAAA TCAGGCATGGTGTTTCAACAATACAACCTCTTTCCGCACAAAACCGCCTTGGAAAACGTA ATGGAAGGACCGGTTGCCGTACAGGGCAAGCCTGCCGCCCAAGCGCGCGAAGAGGCTCTG AAACTGCTGGAAAAAGTCGGCTTGGGCGACAAAGTGGATTTGTATCCCTACCAGCTTTCC GGCGGTCAGCAGCAGCGCGTCGGCATTGCCCGCGCATTGGCGATTCAGCCTGAACTGATG CTGTTTGACGAACCGACTTCCGCGCTCGATCCTGAATTGGTGCAAGATGTTTTGGATACC ATGAAGGAATTGGCGCAAGAAGGCTGGACCATGGTTGTCGTTACGCATGAAATCAAGTTC GCCTTAGAAGTGGCAACCACCGTCGTCGTGATGGACGGCGGCGTTATTGTCGAACAAGGC AGCCCGCAAGATTTGTTCGACCACCCCAAACACGAACGGACGCGGAGATTTTTAAGCCAA ATCCAATCTACCAAGATTTGATTAAGCATTTTTCCTGTGTTTACAGAGGCCAGATTAGAT TCGGATTGCTTTCGATGACGGCTTTGAATTGGTTTTGAATCCGCTCGATGGCTTCTTGCG TATCCGCCTCAAAACGCAACACCAGAATCGGCGTGGTATTGGAAGCACGCATCAGACCGA AGCCGTCGGGAAATTCAACGCGCAGACCGTCGATGGTGATGATTTCGGTTGCGCCTTCAA ATTCGGCTTTGGCGGCGAGTTCGTCGATAACCTGATGGCCGTTGCTGCCTTCGGGCAGGG _TATCGGAGGCAGACAGGATTTCCAAGAGGCGTGCGCCGTCGTACAGACCGTCGTCGAAGC CGAACCAGCGTTCTTTGAAGAAGATGTGTCCGCTCATTTCGCCGGCAACCGGCGCGCCGG

TTTCTTTCATGGCGGATTTGATAAAGCTGTGGCCGGTTTTTTCCATTATGGCTTTGCCGC CGTGTTCTTTAATCCAAGGCGCAAGCAGGCGGGGGGGACTTCACGTCGAAAATGACTTTCG CGCCGGGATTGCGGTTCAAAACGTCTTGGGCGAACAGCATCAGTTGGCGGTCGGGATAAA TAATGTTGCCGTCTTTGGTAACCACACCCAAGCGGTCGGCATCGCCGTCAAACGCCAAGC CGATTTCGGCATCACCGTTTTTCAGCGCGGCAATCAAATCTTGCAGGTTTTTCGGTTTGG ATGGGTCGGGATGGTGGTGGGGAAAGTGCCGTCCACGTCGCAGAAAAGCTCGGTTACTT TGTTGCCCAAGCCTTTGTAGAGTTTGCCGGCAAACGCGCCGCCCACGCCGTTGCCCGCGT CAATGGCGATGTTCATCGGGCGTTTGAGCCTGATGTGTCCGGTAATGTGTTTGAGGTATT CGCCGGAGATGTCTTTTCGGTGACGCTGCCTTGTTTGCCGGCGCAGCAAAACCGTCTT TTTCAATGATGGACAAAAGTTCTTGGATGGCTTCGCCGGCAAGCGTGTCGCCGCCGAGCA TCATTTTAAAGCCGTTGTAATCGGGCGGATTGTGGCTGCCGGTAATCATCACGCCGCTGC CGCCGCATTCGTTGACGGCGGCGAAGTAGAGCATAGGAGTGGCAACCATACCGACATTGA GGACATTGATGCCGCTGTCGGTAAAGCCGCGCCGGATGTTCCATCAGTTCGGGACCGC TCAAGCGTCCGTCGCGAGCGCGATGCGGGTAATGCCTTTTTCGGCGGCTTTGGCGG CGATGGCTTTGCCGATAAGGTAGGCGGCTTCGTCGGTCAGGGTTTTGCCGACAATACCCC **GGATGTCGTAGGCTTTGAAGATGTCGCGGGCGATGCTTGCCATAAGGTTTCCTTTGTGTC** CGTTTAGGAAAAACGGGCATATTTTAACATAGCGGTATGCCGTCTGAAGGCTTGCGTCCG GTTTTCAGACGGCATAGCACGGTTACATCAAATAACATGCCGTCTGAAATAAAAGCAGCC TTTGTGCAGGCTGCTTTCGGATTGTCGGTTTATACCGCTTCGGCTTTAATGATGACGACA GGTTCGCTCGGTACGTCGTCGTGGTAACCATGACGTTTGGTAGAAACGCCTTCGATGGCA TCGACAACGTCAAAACCGTCAACGACTTTACCGAATACGGCATAGCCCCAGTCTTGGACG ACGGTTTTGCCGTACAGCTCTTTAGAACGGAAGTTCAGGAAAGCGTTGTCGGCAGTGTTG ATGAAGAATTGCGCGCTGGCGGAATGGGGGTCGGAAGTGCCGTGCCATGGCGATGGTGTAT TTATCGTTGGGCAGGCCGTTGGACGCTTCGTTTTGAATCGGATCGCGGGTTTCTTTTCG TTCATGTTTTCATCCATGCCGCCGCCTTGAATCATGAAGCCTTTGATGACGCGGTGGAAG ATTACGCCGTCGTAGAAGCCGTCTTTGACGTATTGCTCGAAGTTTTTGGCGGTAACAGGG GCTTTGTCGAAATCGAGTTCGATTTTGATGTCGCCTTTGTTGGTGTGCAGGATAATCATG GGTTTCCTTTCGTTAGAATCTGGTTTTGAATGATTCGACAAATTGTGTCTGAACGACAAA **CTTCAAGGTCGTCTGAAAAATATTCTTTCAGACGGTCTTGTTGTTTAGGTCGATGGTTTA** CATCAGTACAGCATAAGCCCACAGAGCAACCAATACTACGCAGAGGATGTTCAGCAGTAT GCCGACATTCATCATTTCGCGTTGCTTGATTAAGCCCGTGCCGAACACAATCGCGTTAGG CGGTGTGGCAACCGGCAGCATGAAGGCACAAGATGCGCCGATGCCGATGACGAATACCAA GACTTGTTCGGGCAGCCCCATCTGCATAGCGATGCCGGAGAAAATCGGTACAAGCAATGC GGCGGAGGCGGTGTTGCTGGTGAACTCGGTCAGAAAAATAATGAAGGCGGCGACGATGAG TATCACCAAAAATGCGGGCGCGCGGAAAAGGTGGCGGCAACCTGCTGTCCCAAGGCTTC GGACGCGCCGGATGTTTTCAACAGCGTGCTCAGGCTGATGCCGCCGCCGAAGAGCATCAA CACGCCCCAGTCGGTATTGCGGGCGACTTCCTTCCATTGCGCCACGCCGAAGACGACGAC GGCGACGGCGCACTCAGGGCGATAACGGTGTCGGGATTGGAAATGCCGAAGGCGGTTTT GATTTTGGAGCTGAATATCCACGCGGCGGCTGTGGCAAGGAAAATCAACAGCGCGATCAC TTTGAGGATGACGTACAGGGAGAGCAGCATCAAGGGCAGAATCAACAGCATCATCGGCAG GCCGAGCTTCATCCAGCCGACGAAGTCCAGATTTAGGGCTTTGGCGGCAATCAGGTTGGG CGGCGAGCCGACGAGCCCCAAGCCGCCGATGCTGGCGCAATAGGCGATGCCGAGCAG GAGGAAGACGTAGGTTTTGTGTTCTTTTTCCTGGTCGAGGTGGCTCAGCATACCCATTGC TAGAGGCAGCATCATCGCGGCGGTGGCGGTGTTGCTGATCCACATGGACAGAAAGGCGGT **AACGAGGAACAACATCAAAACCGCCACTTTCATATTGCCGCGCGACAGGCGCAACAGGCT** GACGGCGATTTTACGGTCCAGCCGCTGCATATGCAGGGCGGTGGCAAGCCGCCC GAAAAAATGTAGATAATCGGGTTGGAAAAATCAGCCATCGCCTTTTTGATGTCCATGTC GGGGAAACCGAGTACGACGGCGAGAATCGGCACCATCAGTGCGGTTACGGTAATGTGGAC GGCCTCGGTAAACCAAAGTGCGGCAACGAAAATCAGCAGCGCGATACCTTTATTGGCATC GGGGCTGTAAGGCAGGATGTGGTAAATGCCGAAACAGACGACGGCGGAAATAATGGTGGT CAGCAGGCCCTTAAAGTCGGTAATCGGCTTCTGCGCACTGAGCAGCTCGACGTTTTCGGG ATGCTGGGTTTTGTCCTTTGCATGCAGGTTCATGAATACTCCTTTAAGGCAACAAAATCG GTTTTCTTTTGTGTCGTGCAATCCGAAACGGTTTGTGGAATCGCCGCTTCTGCAACTGG TTCGAGTATATTTGTAATCTGATGTAGTGTAAATATATTGTAAACGATTTGTCGGTTTTG TTTATGAGATGGGATTGATATGTAAGGGGAAAAATAGGATATATCGGGAAGAGGTGCATC GCAAGGGCTGCGCCGTCAGGTCGGCAAGGACATCGCCCAAACTGCCGGTTCTCGTTGCG GTAAACCATGCCTGCGCGCATTCGCTGAAGAGGGCGAAACAGAGGGCAAAGACCATCAGG CTGCGATAGGGGATGGGGCGGTTGTCGGTTCTGAATGCTTTGGTCAGAAGCCAGATTTGT GCGAAAAACAGGGCGAGGTGCGCCACTTTGTCAAAATGCGGAAAAGGCGGTGGCGCGGTT TCGGCAGCTTTGAAAAGCAGTGAGTAAATGCTGCCTGCAAACCACAATGCCGAGAGCAGG ATAAAGCGGTTGCGTGGCAGATTCATGCTTGTTCCTCTTCAAGCCATGTCTGGCATAGTT TGGATAGGCGCAGGAATTTTCCGCCGCGTGCGGCCAGCATATCGCGCCAAACGGCAATTT CTTCGGCGGAGGGGCATCGTCTATGCTGCATTCGTAGAGCAGGAAATCGAGGGTTTCTT CGATGACGGGGATGGATTCGGTTTGGATAAGCTGCTTGAGTTCGGTCATGACTGTTCGGA TATGGAAATCGGGAACATGCCGTCTGAAAGGGCTTCAGACGGCATCGGGTCATTTGCTGT GCAGGAAGCGGGTTGCTTCTCCCATTTGCCGGCAAGGATGTCGGGTATGGCTTGCAGGG ATTTGGCGACGCATCGTCAATCTGTCGGCGGTGTTCCGTACTGGGTTTGTTCAGGACAT AGCCGACGACGAGGTTGCGGTCGCCCGGGTGGCCGATGCCGAGGCGCAGGCGGTAATAGT ${\tt CTGCCGTGCCGAGTTTTGCCTGAATGTCTTTCAAGCCGTTGTCCGCCGTTGCCGCCGC}$ CGAGTTTGAATTTGATCCGTCCGCAGGGAATGTCGAGTTCGTCGTGGACGACGAGGATTT CTTCGGGTTTGATTTTGTAGAACTGTGCAAGCGCGGCAACTGCCTGTCCGGAACGGTTCA TGAACGTGGCAGGTTTGAGCAGCCAAACGTCGCCGTCGGGCAGGGCGGCACGGGCGACTT CGCCGAAGAATTTTTTTTTTTTTTTAAATGAAGCCTTCCATTTCCACGCCAGTTCGTCGA

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CGGAAGAGGCGGTAAAGCTCGGTATTCCGATGTTGGCACTGTTCCCCGTGGTTACGGCAA ACAAAACCGAGCGTGCGCAGGAGGCGTACAATCCCGAAGGACTCGTGCCGTCAACTGTCC GCGCCTTGCGCGAGAGGTTTCCCGAACTGGGCATTATGACGGATGTCGCGCTCGATCCTT ATACGGTTCACGGTCAGGACGGCTGACGGACGAAAACGGTTATGTGATGAACGATGAAA CCGTAGAGGTTTTGGTCAAGCAGGCTTTGTGCCACGCTGAAGCGGGCGCGCAGGTGGTTG CCCCTTCCGATATGATGGACGGCGTATCGGTGCGATTCGCGAGGCGTTGGAGGATGCCG GGCATATCCATACGCGGATTATGGCGTATTCCGCCAAATATGCTTCTGCATTTTACGGCC CTTTCCGTGATGCGGTAGGCAGTTCGGGCAATTTGGGCAAGGCAGATAAAAAGACCTACC AGATGGATCCGGCAAATACCGATGAGGCGTTGCACGAAGTGGCGTTGGACATTCAGGAAG GTGCGGATATGGTAATGGTCAAGCCCGGTTTGCCGTATTTGGACGTTGTCCGCCGCGTAA AGGACGAGTTCGGTGTGCCGACTTATGCCTATCAGGTTTCGGGAGAATACGCGATGTTGC AGGCAGCGATTGCCAACGGCTGGCTGGACGGCGCAAAGTGGTTTTGGAAAGCCTGCTGG CATTCAAACGTGCGGGTGCGGACGGGATTTTGACCTATTACGCTATTGAGGCGGCAAAGA TGTTGAAGCGTTGATTTTCGGCCGGGTTAATTGAAATGCCGTCTGAAACCATGGTTTCAG ACGGCATTTTTACAGTTTACAAAGTTGTATCGAGTGCGGCGGAAATATCGTTCCAAATAT CGTCCGCGTCTTCGATGCCGATGGAGAAACGCAGCAGACCGACTTTGATGCCCATTTCCA TTTTCACATCATGCGGTACGCCGCTGTGGGACTGGGAATAGCAATGGTTGACCAAACTTT CCACACCGCCGAGGCTGGAAGCCATTTTGACCAGTTTCATGTTTTTAATCACGCTGTTTG CCGCTTCACGCGTGTCGTTTTTGAGATAAACCGTAACCACGCCGCCGATGCCTTTGGGCA TTTGTGTTTTCGCCAGTTCGTAATGTTCGTGAGACGGCAGGCCGGGATGGAACACTTTTT CAATGGCAGGATGGGCTTCCAAACGGCGCGATTTCGAGTGCGTTTTGGCAATGGGCGT CAACCGCGCCGGTATGCACCATCATATCGTGCAAAGGCTGCGCCAGTTCTTTGGTTTTTGG CAACGACGATGCCCATCAACACGTCGGAATGGCCGCACAAATATTTGGTAGCGGAATGGA ATACAAAATCGCAACCCATATCCAACGGCTGTTGCAGATACGGCGTGGCAAAAGTGTTGT CGATACCGACCAGCGCACCGGCTGCTTTGGCTTTTGCGGCAAGGACTTTGATGTCTACCA AGCGTAAAAGTGGATTGGACGGCGTTTCCAGCCAAACCAGTTTGACCTTGTGCGCTTTAA GCAGTTCGTCCAAATTATCCGGATTGCCTAAATCGGCAAAAACAACGTTCACCCCCCATT TTTGATAAACATCGACCAATAAATCATAAGCGCCGCCGTAAATATCGGCGACGCGACAA TGGTATCGCCCGGGCGCAGGAAAGTGCGCCATACGGCATCAATTCCCGCCATACCGCTGG AAAACGCAAAACCTGCCGCACCGTGTTCCAAATCGGCAACGGTGTCTTCTAAAATCTGAC GGGTCGGGTTGCTCAGGCGCGAATAACGGTAAGGCACATTTTCGCCAATCTCGTGCAACG CAAACATACTGTTTTGATAAATCGGCGGCATCAGCGCGCGGTTGTGTTCGTCGCAATCGT AGCTGGAATGAATGGCTTTCGTGGCGAATTTCATTTGGTCTCTGCCTATGTAGATGTGAA AGTGATATAATCTCGCATTTGCAGATTGACGGTATATTCCCCGGCGGAAACGCCATACCA TGCACACATCTCAACAATTACATGAATATTAAGGAAAAACAACTCATGAACACTATTGCA CTGCGCTTTCCGATTACCCTGCAAACTGCAGAAGGCATCCAGTCCACCATTGCCCGTCTG ACCATGACGGTTTACCTGCCTGCTGAGCAGAAGGGGACGCATATGTCGCGTTTTGTCGCA TTGATGGAGCAACATGCCGAAGCCTTGGATTTTGCACAATTGCGCAAGCTGACTACCGAA GGCGAAATCAAAGACGGGGCATACGGCCACAGTATGAAGGTCATGATTCCCGTAACCTCG CTTTGCCCGTGTTCCAAAGAAATTTCCCAATACGGCGCGCACAACCAGCGTTCGCACGTT ACCGTCAGCCTGACTGCCGATGCCGAAGTCGGTATCGAGGAAGTCATCGATTATGTGGAG GCGCAGGCGAGCTGCCAACTCTACGGCCTGCTCAAACGCCCCGATGAAAAATACGTTACC GAAAAAGCCTACGAAAACCCGAAATTCGTGGAAGATATGGTGCGCGATGTCGCTACTTCG CTGATTGCCGACAAACGCATCAAGAGTTTCGTCGTCGAGAGCGAGAATTTCGAGTCTATC CACAACCATTCGGCTTATGCCTATATCGCCTACCCGTAGGCGCGTTTGCGATGAACCAAA TGCCGTCTGAAAGGCGTTTGGGCGTTATTGGCGAATCTGCCGCCGTATCGGAAATCAATT TGCAATACAAGTAATAAAAGGATGCACGATGACAGTATTAAGCAAAGAGCAGGTTCTATC CGCATTTAAAAACCGTAAATCATGCCGGCATTACGATGCGGCACGCAAAATCAGTGCCGA TTGGCAGTTTATTGTGGTTCAAAACCCTGAAATCCGACAGGCAATCAAGCCGTTTTCTTG GGGTATGGCGGATGCTTTGGATACCGCCAGTCATTTGGTGGTGTTTTTTGGCGAAGAAAAA GGATGCCGTAGCAAAATCTTTGGCAAGGTATCAGGCGTTTCAAGCTGACGACATCAAGAT TTTGGACGATTCTCGCGCCTTGTTTGACTGGTGTTGCCGTCAGACCTATATCGCGTTAGC CAACATGATGACGGGTGCGGCGATGGCAGGTATCGATTCCTGCCCGGTGGAAGGTTTCAA CTATGCCGAGATGGAGCGCATATTGTCCGGGCAGTTTGGTTTGTTCGATGCGGCAGAATG GGGCGTGTCCGTCGCCGACATTCGGCTACCGCGTTCAGGAAATCGCCACGAAAGCGCG TAGGCCCTTGGAAGAACCGTTATTTGGGCATAAGGCAATGCCGTCTGAAAACGCAAGGA TTTTCAGACGGCATTTTTTAATGCTTGGCGGATTCGCATTTGAAGTGCAACTTTCCCTAA CACACGCAACTGACCCAAGGCGAACGATACCACATCCAATACCTGTCCCGCCACTGCACC GTCACCGAAATCGCCAAACAGCTGAACCGCCACAAAAGCACCATCAGCCGCGAAATCAGA CGGCACCGCACCCAAGGGCAGCAATACAGCGCCGAAAAAGCCCAGCGGCAAAGCCGGACT ATCAAACAGCGTAAGCGACAACCCTATAAGCTCGATTCGCAGCTGATTCAGCACATCGAC CCCCTTATCCGCCGCAAACTCAGTCCCGAACAAGTATGCGCCTACCTGTGCAAACACCAC CAGATCACGCTCCACCACAGCACCATTTACCGCTACCTTCGCCAAGACAAAAGCAACGGC AGCACGTTGTGGCAACATCTCAGAATATGCAGCAAACCCTACCGCAAACGCTACGGCAGC ACATGGACCAGAGGCAAAGTACCCAACCGTGTCGGCATAGAAAACCGACCCGCTATCGTC GACCAGAAATCCCGTATCGGCGATTGGGGAAGCCGACACCATTGTCGGCAAAGGACAGAAA AGCGCATTATTGACCTTGGTCGAACGCGTTACCCGCTACACCATCATCTGCAAATTGGAT

AGCCTCAAAGCCGAAGACACTGCCCGGGCAGCTGTTAGGGCATTAAAGGCACATAAAGAC AGGGTGCACACCATTACCATGGATAACGGCAAAGAGTTCTACCAACACACCACAAAATAACC AAAGCATTGAAAGCGGAGACTTATTTTTGTCGCCCTTACCATTCTTGGGAGAAAGGGCTG ATCAGTGATCGGGAGATACGCAGGGTTCAAGATGAGTTGAACCACCGACCAAGAAAAACA CTTGGCTACGAAACGCCAAGTGTTTTATTCTTGAATCTGTTCCAACCACTAATACACTAG TGTTGCACTTGAAATCCGAATCCAAGCTTATTTAAAACGATTCGCCGGGAGCGAGATAAC GCCATTTGCCGGGCGGCAGCCTGCCGAGTTTGACCTTGCCCATGCGGATGCGTTTCAGCC CGACGACGCGCAGTCCGACCAGTTCGCACATACGGCGGATTTGCCGCTTTTTACCCTGTT TCAACACGAAGCGCAGTTGGTCTTCGTTTTGCCATTCTACTTGGGCGGGACGCAGTTTCT CGCCGTCCAAACTCAATCCGTGATTCAGTAAGGCAAGTCCTTTTTCGTCCAATTTGCCGC GCACGCGCACCAAATATTCTTTTTCACTGCCGCTGTTTTCGCCGATAAGCTGCTTGGCGA TACGGCCGTCCTGAGTCAATACCAGCAATCCGACCGAGTCGATGTCCAGCCTGCCGGCGG GGGCGAGGCCGATTTTGTGTTTCGGATCGAAACGGATGCGGCCGGTATCGCCTTCCCAGT GATTTTCAGGGGTAATCAGTTCGGCGGGGGATTTATAGCCTTTTTCCGCTTGTGCGCTGA CATAGCCGACGGGTTTGTTCAACAGGATGGTAATGCGTGCCGCCTGCTGTTCGTGGGCTT TCTTGTTCAGTTCGATACGGTCTGCCGGTGAAACTTTCTGACCGAGTACGGCGGTTTTGC CGTTGACCGTTACCCAACCCTGTTCGATATAGCCGTCGGCTTCGCGGCGTGAACAAAGCC CCAGTTGCGCCATGCGTTTGGAGAGGCGCACGGCATCTTCTGTATGGTCGGAGGAAATTT TGGGATTCATGGATACTTTCGGGTAAAGGCCGGCTTAGACTAATTGCTCGCCCCAGTGCA TTCGGTAGCGGCGGATGGTGATGCGGTCGAGGTTTTGCACGTCGATATGGGTTTGACCGT CGAAATGGACGCGCGCGTCGCCTTGGGTAACGAGGATTTCGATTTCGGACGTGTCTG GAATGGCGATGGGCGGTTGGTCATGGATTGTGGGCAGATGGGGACGAGCGTGAAGGCGT GTAATCCTGCCTGCATGATGGGGCCGCCGGCGGCAAGCGAATAGGCGGTCGATCCGGTGG GGGTGGAGACAATCAGCCCGTCCGAACGCTGGGTATAGACGAATTCCCGATTGACGAAGA CTTCAAACTCAATCATCTGTCCGGCACCGCCACGGGAGAGGACGGCATCGTTGAGGGCGA TGGCGCGTTCGGCGGTTTTGCCTTCGCGGATGAGTGCGGCCTCAATCAGGATGCGCTCTT CGGCAAGGTATTTCCCTTCTAAAACGGGCAATAGCTTGTCCGTCATATATTCGCGGGGAA TTTGGGTCAGGAAGCCCAAATGCCCTTGGTTGATGCCGATAATCGGAACGGCGCGCAGGG CGATTTCGCGGGCGACGAGAGAAAGGTGCCGTCTCCGCCTAAAACGGCGACCAGGTCGC AGTATTGCCCCAGTTCGGTCTTGTTGACGATATGGCAGCCGACGGTGTCTTGGGTATAGA TGCAGCCTTCCTTTATGCCGACTTCGTCGAGATAGACGGTAAAGCCGTGCTGCTTCAAAA AGGTAATCAGCGTGTGTGCGGTGTCTTGGATGTCGGGCGTGTTGGGGCGGGTTACGATGC CGATGTTGTGAAAAGGGCTGTTCATGTCGGATGCCGTCTGAAGGTTAGTCTATCCAAATG TCGCGTTCGAGCCGGTCGAGGCGTTCGTTGAGGCGTTCCACGCCGTCGCGCAGTCTGCTT ATTTCGTCGAGGCAGTCGGCAAGGGCTTCGTTGCCGATGTTTGCGGACTCGGATTCGCGG TCGGCGGCACGCTGCCGATGTCTGCCTGCCGAAAATCCGTGCCAATTCGTCCGAT GCGCGGGAACGCAGGCTGCCGAGCAGGGACAGTACCGCGATGCCGAGGATGAGGTCGCCT TCGAGCCCGATGTCGCCCCGCCCCGGGTTCGCCTCCTTGGAGGATTTTCTGTACCGCGCTG TTGCGGAAGGTAATTTCGGTGTCTGCAAAGCCGTTTCCCGCCGAGAGCAAACCGTCTTCC GTGATGCGTCCCGCCAGTTTCAGCCCGGCAATGTTCAGGGTCAGTGTTTTGCCTGCAAAG GCGGCAAGTTCCGAGCGGCTGTCCGGGCTTTGCAGAATCAGGCGGTTGATGATGGGGAGG TTTACAGGCTTAAGCCGTTATCGCAAACGGTACGGATGATTTTGCCCACGCTGTCGTCGG GTGCAAAATCCGGCGGGCAAGCCGAGTTTGGCGGCTTCTTCCGTATAGAATTCGCGTC GTGTCGGGTGGCGCGGTTCGATAATGTTTTTCAGCCGCCTGCCGCCGGGGTTAAATGCCG TCTGAAACAGGCTTTCGACGGCGATATTACGGTGGACGATGTTGATGGGGCGGTTGCCGC CCGGGATGTTTTGCTTTTGAACAAGGCGGCCGACGGGATGGCGTTCGGCGCAATAAAGCC CGCCCAGCCGCAGGATGTCGATGTTCGGAACGCCGCTGTCGAGCAGGTGTTGTTCGGCGG CGAGGATTTGGCGGGCGGACTCGGTTTGCGGATCGGGTAGGGCGATTTCGTCGCATTCGC GCGCTGTATCGCCGTAAACGCTGGTACTGCTTGTGAAAATCAGGTGTTGCACGTTGCACG CCCGGGCAAGTTCTGCCCATTGTTTGACGGTATCGGCGTAATGTGTCAGCGATGATGGCG GCAAGAGGCAGAACCAAACGGGTTTGTTGGCATGGTGCCGCCAAAAGCTTGTATCTCGGG CAAGGTTCGCGCTTTGAAACGCGCTGTCTTGATTGAGGTCGATGGTATCGAGGTGTATGG GCAGATTGATATCGTCCGAAGTCAGGCTGCGTTTGACGGCGGCAACGCGGCTGCCGTGTT GGTAAAACTTTTGTGCCAGCGGCAGGCCGAGGTAACCTAGGCCTGTGATGGAGATATGGG GCGGGGGGACTGCGCCATTCGCTGATACCGTCGGGTAAGTGCCGTCTGAAGGCTGATTC GGACGCTGTGGGTTTACGGGTTGCCGTTGCCGATTTTCCGGTCGTATTTCTTGCGGTGTT CGGGCAAAAGATAAGGACGAAGGAGGCTTAAGGTGCGGCGGATGCCGCGTGCTTTGGAGT CTTCGGTCAGCTTGGTGCGGCCGCGCAGGGAGCTGTCGAAGTCGAACCAGTATTTCGTGA CCATCCACATATTGACGGCGAGATCGTTCATGGCGGTTTGGTCGGCTTGGATGATGTTCA GACCGTTGAGTTGGGTGAGCAGGTTGACCAAGAGCGGGGAGACTTTGGCTTGGGTGAAGG TATTGTGTTCGCCCAACAATTCGGCACTGCGTGCAAGCAGGGTGTTCACGTCGCTGAATA GGAAGCGGTATTCCCACATCACATCATAAATACCGGCCATATAATTGATGGAGTCTTCCA CATCAGACGGCAACACGGCTTCATTCAGGTATGCCAGCAGGGCTTCGCTGTAACGTTTGA ACAGTTGGACGATGATTTCGTCTTTGTTGCGGAAGTGGTAATAGAGGTTGCCCGGACTGA TGCCCAAGTGGGCGGCAATATGGTTGGTGCTGATGTTGCGCTCGCCTTCCTCGTTGAAAA GCGCAAGGCTGGCGTCGATGATGCGTGTGTAAGTATTGATTTTGGCGGGGCGGGTCACGG GCATACTCCTTGGATTTACAGGCTGAACGAAGCAGGCAGCCAATTAGGTTCGGCGTGCAA TTCTACCTGAAACCGAGCAAATACTGTAAATTTGATGTGTTGCGCCAACTGCCGGACATC GACCGAACCGTCGGGCTGCGGATAGCGCGGCATATCAGGATGCCGCTGCAACAAGGTGGC

GGCTTTTTCTGCGCTGACGACGGGGTTTTTAAAGAAACTGCCGACATTGCCAAGCACGTT AGGATTAGGAAGTTTACTGTTGCGGATTGCACACACTGCATCGGAAACATCTTTCGCCGT CGGGACCCTGCCCGCGCTCAGTTCGGCAACGGCGGCCGCCAAATCGCCGTAACCCAAAGT CGGCACAAAATGCGTTTTTAATGCAAATACGACCGAAACAATCACATAACGCCCTTTACC CTCCTGCTTGAACAGGCTTTCGCGGTAGGCGAAGCGGCAGTCGGCATTGGCAAGCTCGAC AAAGGTCTCCGTATCCAAATCAAAGCAGCGCACGCTGTGAATCACGTCTTTCGCCTCCAC GCCGTATGCGCCGATGTTCTGCACGGGCGATGCGCCGACCGTACCCGGAATCAGGCTCAG GTTTTCCAAACCGCTCAAACCCAGCGCAACGGTGTGCAGGACAAAATCGTGCCAAATTTC GCCCGCCTGCGCTTCAATCAGAACCATGCCGTCTGAACGCGCAATCTCGCGTATGCCTTT GTTTTCCATGTGTACGACCAGTCCGGCGTAATCCTGCATCAAAAGGATGTTGCTGCCGCC GCCCAGCCATAAAACAGTATCGCGGTCGAACTCCAGCAGTCGGACGATGTCGCGCAACTC GTCGGCATGTTCGAGCGCGATAAAGGCCCGGGCTTGGGCGCGAAGACCGAAGGTGTTGTA **GGGGGTAAGGTCGGTTCGGTATCGGATGGGTTGCATGGTTTGAACTTTAACTGTATTTGA** ATTGAAGTGTACTGCGTTTTCAGACGGCCTTATGCGATCTGACCATCTCCCTACTGCACA AGAAGCCGTAAATGCCCATATTGAAACGGTAGGCGAGCAGATAGCCCGGCAGCAGGCCGC AGCCCCAAAAGGCGGCGGGGTGGATGAACATCGGCACCTTTGTAACTTTGTAGCCGCGCA AGGCGTAGGAGGCGATACATTGGGTGAAGTCTGCCGGTTGGAACAAGCCGGCGAACAGTA AGACGGTGGCGGCGATGCTTAAAACCGCCGGATCATTGTTGTACATACTTACCAGCGGCG ACACGCCCGAAATATAACGCGCCCGCGAAAATTCGCGCCGCCCAAGCGAAAAGCCGATGC GCACCGTCCCCGCCGAGCCGACGCTTTGCGGAATCATATAGAGAATCCCCGACAAACTGA TGCCGACCTGCTGCGCCGCCACATAATCCTCGCCGAAAGGCGCAATCAAAAACACGATAA ACGAAAACGCGCTGGCTTCCAAAAATAAGACAGCCCGATGGGTGCGCCGATTTTCCAAA TCTGTTTGAACACCGCCCAATCCGGTTTGCCGAATTTCGCCGTCAGTCCGAATGGGCGGA AGAAATTTTCCTTGGCGATATAAATCCACAATGCCAGCGCGCTGAACCAAAACACCGCCA TCGTCGCCAGTCCGCAGCCTGCGCCCCAAAGCGGGCATACCGAATTTGCCGTAAACGA AAATATAGTTCAGCGGCACGTTCAACACAAACGCCGCAAAGCTGACCAACATAATCAGGC GCGGGCGGTTCAGGCTGGAAGTGTAGGCGTGCAGCGCGGTGTACCATTGCCGCCGGCA TCGCCAAGCTGGTGAACAACATATACTGCGCCATCGTGCCTTCCACATAATCGCTCAAGG TCAGCCAGTTGCGGAACGGCGTAATCGCCGCCCACATCAAGACCATGCCGAACACGCCCA AAAACAGCCCGAACCAAATCCCCTGCCGCCCCGTTTCGCCCACTTCGTCGGTTTTACCCG CGCCGTAAAGCTGGGCAATCATCGGGTTCAGCGCCGCCATAATGCCCATAAAGGTAATAT AAACCGTGGCAAACGCGCTGCTGCCCAAAGCCACCGCCGCCAAGTCTTCCTTGCCCGCAC CGCCGCCATCACAGTATCGACAAAACCGATGCCCACCTGCGCGACCTGCGCCAACAGCA TGGGCAGGGCAAGAGTGGTCAGCAGGCGGACTTCTTTCAGGAAGACGGGAAAGGAAAAGC GGTTGAGGTCGAGCAGCATAAGTGTTCAATCAACAAAAATGCCGTCTGAAGCAGAAAACG GCAGCAGGAAGTGATGAGAAATAATGGTGCACATTATATCGTAAAAAAATGCCGTGCCGT CAGACGGCGGATACAGGGTATAAAAGTATATTCAGATTGTGTGTATTTTATGGTAAAGTT TGGTTTTAACGACTTGACGCATTGAGCCGTCGGACAGGGGCTGTTCGGATTCTGAATCG GAAAGAAGCACCGCCGTTTTGACAGCGGCGTGATGCGTTGCGGCAAAGATGCCGTCTGAT TGCGGATCGGGCAGTCTTTTGTGTTTACAGGATAAAATAGAAGGCAGATTCTCATGCAGA CATGGCAGCTTCCGGAACATATCGCCGACGTACTGCCCACGAACGCGCGGCAGCTTGAAA GCGCGAGGGAGCAGTTGTTGGCACTGTTCCGCGTACACGGTTATGAACTGGTACAGCCTC CGCTGATGGAGTACGCACATTCCCTGCTGACGCATATCGATGCGGGGCTTTCCCTGAAAA CCATTTTGGTAACGGACAGGCTCAGCGGCAGGCAGTTGGGCATACGCGCCGACATCACGC GTTATGCCGGTCCGGTGTTGCACGCGCAGCCCGACGGTCTGCTGAATATGCGCGAACCCT TGCAGGCAGGGCAGAAATGTACGGTTTTGCTGACATCCGTGGCGACATCGAGCTGATAG ACCTGATGCTGAAAAGCATGAAAATTGCCGATATGGGCAAAGTGCTGCTTTCGCTGGGGC ATATCGGCATATTTCGCGCCTTGTCCGATGCGGCACATTTGGATGCGGGGCAGTCCGCAA CGCTGCTTGCCTTGATGCAGGATAAAGATACCGGGGCGGTCGAAGCGCAGGTCAAGGCTT GGAAGCTGGACGCATGTGGGCAAAAGCATTCTCGCTGTTGCCGCGCCTGTACGGCGGGC GTGAAGTGTTGTCCGACGCGCGCGGACGGTTGCCGGATTTGTCGGCGGTCGGCGCGCGT TGGGCGAATTGCAGGCGGTGTGCGACGCATTCCCCGATTGTGAAATCCATATCGACTTGT CCGAGCTGCGTGTCGACAATTACCACACGGGCTTGCTGTATGCCGCCTATGCCGCCGATT TCCACGACGCGGTCGCGCGGGGGGGTTATGACGGATTGGGCGGATATTTCGGTAGGG CGCGCCCGGCAACGGGATTCAGTTTCGACTTGCGCAGCTTTATCGGGCGTTTGCCCGCCA TCGAACGCAGCCCGCGTGTTGGTCGATGCGGAAGATGCCGAAGCGGCGCACGAAGCGG TCGAAGCCTTGCGTGAACAAGGGCAGTGTGTCGTAATCGATTACGGTATCGGACACAATG GCTAAATACCCGTTCATGGCGGATGAAAGGCAAATCGTGGCGGGGCGCAAAGCCGCACCG GTTTGGGGATTTCCGCAATAATTTTTAATATCGATAGGTTATATGGCTATGGCTAAAAAT GTTGTAGTAATCGGCGCACAGTGGGGCGACGAGGGTAAAGGTAAAATCGTTGACTGGCTG GCGGAAGAAGCCGGCGTGGTGCGCTTCCAAGGCGGCCACAATGCGGGCCATACCTTG GTTGTCGGCGGCAAAAAACCATTTTGCGCCTGATTCCGAGCGCATCCTGCATGAAAGT TTGGACTGCTTCATCGGTTCGGGCGTTGTCGTCTCCCCCGAAGCCCTGTTGGGCGAAATC GACGAGTTGAACGCGGCAGGCGTGAAAAACGTCGAAGGCCGTCTGAAAATCGCGCCGACC TGCCCGCTGATCCTGCCTTACCACATCGCGCTCGACCAAGCCCGCGAAGCATCGCGCGGC AAAGGCAAAATCGGCACGACCGGCCGCGCGCATCGGCCCTGCCTACGAAGACAAAGTGGCA CGCCGCGCCATTCGCGCCGCCGATTTGCTGCATCCTGAAAAACTGCGTGAAAAACTGGAT GCCGTCCTTGCCTATTACAATGTCCAACTGCAACATCTGCACAATGCCGAGCCGGTTAAA GCGGAAGACGTGATGGCGGTTATCGAAAAAGTCGCGCCGCGCATTGCGCCGATGATTACC · GAGGTGTCCCGCGTGTTGAACGAGAAAAACAAAAACGGCGAAAAACTGCTGTTTGAAGGC GCGCAAGGTGCGTTGTTGGACATCGACTACGGCACTTATCCCTTCGTTACCTCGTCCAAC TGTCTGGCGGGCGCAGCTTCGGCAGGCGCGGGCGTAGGTCCTCAAATGCTGGATTATGTT TTCGACGAAGTAGGCGTAGGTTTGGCAGAACGCGGACACGAATTCGGTTCGGTAACCGGA GGCATTTCCGGTATGTGTATTACTAAACTCGATGTAATGGACGGCGTTGAAACCATCAAT ATCTGCGTCGGCTATGAATTGCCCGACGGCGCAAAACCGACATCCTGCCTTGCGGTTCC GATGCGGTGGAAACCTGCAAGCCGATTTACGAAACCATGCCCGGCTGGCGCGAATCCACT TTCGGCGTGAAGGACTACGGCGCATTGCCCGAAAACGCCAAAGCATATTTGAAACGGATT ATTGTGCTGCATCATCCGTTCGCATAAGGTTTTGCAGTAAAATTGCCGTCTGAAGCCCTA ATCCGCCGTTGGTCATAAATAGTAGGGTATCAACATTTCGGGCTACAATGGTACGTCAGC CAATGCCAAGACGTGCCAGCCTGATTTGTTGATGTGTGTACTATTGCATAGGCGGTTAAG CCATGCAGGAGATGAAAGTGTATATGTCGCGCAAAGCCCATTAGCCGCAAGCGAGGGGCG TAACTACGGGTGCATTATGCGCCTATGCCTGTTTTTTTGTCAAACACTATACAGTTAAAAT GTGTAAATATTTAGTAAGGACATATACCCTTTTCTTTACATTTAGCTCCATCGGATACCA GTGCGTTCAGAGAAATTTGAAAATTTCTATATTTTGGTTGTATAATGCTTTCATTTTAG AAAGGTCTATAATGCCAAAATCACTCTCGCTACAAGATGTTCAGTTAAGGTTTTCCAGTA AATTTCCTGATAAGACGGTTTTGAAGTTCACTAAAAACTACGAACCGGTAACAATCCAAT GCCCTTTGCATGGGTCGGTTGTTTACGGGAATCTACAAGCTGCCATGAAATCCTCAACAG GATGTCCTGAATGTACTCGAAATCCCGAAAAGCCCTCTCCAAACGCCGTTGCCATTAGGT TGGAGGACACAGAGACAGGGGAAATCTACGAGTTTGCAAGTACACTGGCTGCCAGTAAAT TTATCGGTTGCTCCAACAGCACTTTAGCTGTACGTTTAAGCGGACGCACTCCGTTTGACC GATTGATTAGGTATCGTTATAGGTTGGTAAAGTAAGTTCACAACCACTATGGCACTTACA TTTACTCAAGCAGTTTCTAAGCTAACCTCTAAATTTCCACATTTGAATCTTGTGGAGTTC **AATGGCGTTCGTTACCCGACGGTAATCGTCTGTCCTATACACGGGAGGGTTACTTGCTCT** ACATTCAAAAGTATGTTGGACTCTAAAAGTGGGTGTCCAAAATGTGCATCTTATGGTGTC AATTCCCACAAAATTCCAGAAGATACAATAGATAAATTATCTAAAAATACAGTATTGGAG GATACTGTAACTGGCGAAACACTTACATTCCCCTCAAGAGCATCTGCTGCAAGGTCATTG GGTATAAACCCAGCAGCTATCACTGACCGTATAAAAGGTCGGGTTCACACAGAGACTTTA CTTGCAGGGAGGTATAAGGTTCACATCTGCACTAAATGACGTATACACTTTTTAACAGTG TATACCCCTCGCCACTATCAGGTGCTTCTCGAAAAATTTGACATTTTTATAAATTTGCTA TTAAATCCATTTGACAATCAATTTTGGAGTCTCAAATGGCCAAATCTTTCAACCAAGCAG CTTCTGAACTTACTGATATATTCCCTAATATCTCTCTAACCGGCTTTGACGGTGTGAATT TTATAAAGTCAAAGTACGGGTGTCCTGAGTGTGCTAAGATGTCAAAAACCCAAACACCTC CAAATGTAGGGAAGCCCCTCCTCATCCTCGACACAACGACCAACGAAACACTCACGTTCC TCAAGGGTCGAACGTCGCCCGACAACCTTATTTCAAACAGGTACAAAGTGCTTGGGTACG CGGTTAGAGTTAATTTATGTAAAGATTTAGTAAAGACGTATACCATTTTTCTTTACATTG TGCTTGCGCAGGATTTCAGGTAGGTCTCAAAAAATTTGAAAATTTCTATATTTTGGTTGT GTAATCCATTTGCACATAACCTATGGAGACAAATTATGGGTAAGCGAATGACTTTCGATA CCGCCAAATCACGCTTTCAAGAGAAATTTCCACATTTAGAATTGTTGGAGTTCAGTGGCA TTTATAAACCTTCCAGTGTTAGATGTCCTACGCACGGGGTTGTCCAACTTTTGTATTACG ACACAGCTATAAAGTCAAAGTATGGGTGTCCGGAGTGCGGGAAACTTAAAATGAAGGAAA ATACGCCTCCCCAAAACCAAAAACCTGTCTCCATCCTCGACACCGCCACAGGCGAAACAC TCACGTTCCCCAGCGTACAAGCTGCCGCCAAAGCCCCTAAACACCCCCTACGGCTCTATAC GAACCAAGCTCGACGGACGTTCAAATCCCGACAACCTTGTCTGTAACAGGTATAAGGTTC TGCTATAATCAACCTATGGAAAATATTGAAGAATACGCACTGCTGTCTCCCGAAGCCCTG CTGGAACGCCTGGATACCGTTTTGAGTATCAGAATCGGCGGCAAGGGTTGGGAATCCAGT TATGACCGCCAACTTTGCACAGACGCTGGTCGAAATACAGGACAGTCTGTACAGGGTTGT GTCAACCGTCCAATACGGGGATGACAACCTCAAGCGGTTGACAGCGGACAAACGGAAGCA GTATGAGTTGAACTTCAAGATTTCCGAGGGTTCTACGCGTGTAGAGTCCGACTTTAAAGA GACTTTGGTTCGGTAGAGATATGCTTCAAGATATGCCCCCTAAAATCCGTTCGGC **AACGCTGGTAGCGTTGACGACCCTGCTTGTCGGAGGGGCGTTGGGTTACGGTTATTTGGA** ATACCTGAAGCAGGTTGCTTCGGAAGGGTATCAGACCGAGCGTCTGTATAATGCCGTCGA CCGTCTTGCAGAATCCCAAGAACGGATAACGTCCGCCATCCTGAAGGGTGCTAGAGGTGC CGATTTCGTGCAAATCGGCAGACGTTCCTACAGTAGGGAGGATATATCGGAGGCAAATAG ACGTGCAGAGCGTGTCCCGTATGGCGCAGAGTTGGTTTCAGACGGCAATTTTACCGCTGT TTTATCTGATATAGGGGATTAACAAAAATCAGGACAAGGCGGACGAAGCCGCAGACAGTAT AAATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTTTCTTTGAG CTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATATTTTCTGTCCGGATAC GGTTTATCAGGGTATATCAATGCGGCGTATCCGGTGCGGAAATGGATACGGTTGGTGTCG GTATGGAAACCTGATGTTTTCAGACAGCATATACAAAAAACCGTACTGCTTGCGCGTACG AAGGGTGGGTGCTGAGCAGGGAGTCGCGCGTATCTCCGGCGATGCCCATTGCGTTCATTT CTTCGGGCAAATCGACCGGGTTGCCTTTGAGCCTTTGCAGGGCGGAAATCATTTTCGGCG CGCCGACCAGTTTTGCCGCGCCCGCATCGGCGCGGTATTCGCGTTGTCGGCTGAACCACA TGACAATTAAGCTGGCAAGGAAGCCGAACAGGATTTGGAATACCATGCTGACCAGGAAAT **AAGTTCCCTGGGACTGGCTGCCGTCGTTGTTTCGGGCAATCAGGTTGGCAATAATGCGCG** ACAGGAACACGACAAAGGTATTGACCACGCCTTGAATCAGCGTCAGCGTAACCATATCGC CGTTGCCGACGTGTGCCATTTCGTGCGCCAATACGGCTTCCACTTCGTCACGCGTCATAT GGTCGAGCAAACCGGTGCTGACGGCGATCAGGGAGCTGTTTCTCGATGCGCCCGTGGCAA AGGCATTGGGTTCGGGGGAGTGGTAGATGGCGACTTCGGGCGTTTTCAGGTTCCATTGCC

GCGCTTGGGCTTCGACAGTGTTCAAAAGCCAGGCTTCTTCTTCGGTGCGCGGCGTGTCGA TAACTTCCGCGCCGACCGATTGTTTGGCGATAAATTTGGACATCAGCAGCGAAATAATCG AACCAGTGAAGCCGACGACGGCGGAATACGCCAACAGGCTGCCCGTGCCGCCCCGGCTGT TGATGCCCAAAACCGCCAAAACAATGTTGATTACGACCAAAACAGCGATATTGGTAGCCA AAAACAGAAAAATTCGTTTCACGGATGTTCCTTTTTGGTAGGGTGTGATGTTTTGAAATT TTGGGGGATTGTCCCAAAAAGTTGCCGGCTTGTGAATATCAGACTCGGCAAAGGTATGCA **AAACATTTGCTTGCAAATGGCAGTTTGTGCAGTTTGTTTTGAACTATTGTGCCAAGCCG** TGTAGAATCGTAAACCATCTGTTTGATTCCAATAAACACATTTCAAAGGATCACTTCATG AAAGCATTACTTTTAGGCGCGCGGGGCGCGGGCAAAGGCACTCAGGCGCAATTCATCACC GCAGCGTTCGGCATTCCGCAAATCTCTACCGGCGACATGCTCCGTGCCGCGATTAAGGCA GGCACGCCCTTGGGTTTGGAAGCGAAAAAAATCATTGACGAAGGCGGCTTGGTGCGCGAC GACATCATTATCGGCATGGTCAAAGAACGCATCGCGCAAGACGACTGCAAAAACGGTTTC TTGTTTGACGGTTTCCCGCGCACATTGGCACAAGCCGAAGCGATGGTTGAAGCAGGCGTG GATTTGGATGCAGTCGTTGAAATCGATGTGCCTGACAGCGTGATTGTCGACCGCATGAGC GGCCGCCGCGTGCATTTGGCTTCCGGCCGTACTTACCACGTTACCTACAACCCGCCCAAA GTTGAAGGCAAAGACGACGTAACCGGCGAAGATTTGATTCAGCGCGACGACGACAAAGAA GAAACCGTGAAAAAACGCCTTGCCGTTTACCACGAGCAAACCGAAGTTTTGGTCGATTTT TACAGCAAACTGGAAGGCGAACACGCGCCTAAATACATCAAAGTTGACGGCACCCAAGCA CCCACGGGCAGGCTTCGCACTCTGAAAACAGAAAATCAGGTTTTCAGACGACCTGTTTTT GATAAACAGCGTGTTGCAACCGAAAAATAATCATTTGGCGTCATTCCCGCGCAGGCGGGA ATCCATTTCTGAATTTGGGCAATCGCTGTTTAAATCTGATGAACTGAGTTTTATCAATGG ATTCCCGCCTGCGCGGGAATGACGGCTGATGTACCGGTTCAAATTTATCCGAAACAGTTT GTCGGAGGCTTGAGTCCGCGTAGGTCGGACATCAATGCCCGACCTACGGTTTGAATTTAC **AGTACGGAACCGATTCACTTTGTGCTTCAGCACCTTAGAGAAGCGTTCTCTTTGAACTAA** GGCGAGACAACGCCGTACCGGTTTAAAGTTAATCCACTATACTGCGAAAAAGACGATAAA **GGTCGTCTGAAAACCCGAAACGAAAACACCATGAATCCTTTAATCTCCGACTTCCAAACT** CCGCAACAACGCACCCCGTTATCGTCGCCCTTGATTTTTCCAACGAAAAAGACACGCTC GGATTCGTCCGCAACCTTGACCCGACATTGTGTCAAAATCAAAATCGGCAAAGAGCTGTTT GATTTGAAATACCACGATATTCCCCACACCGTCGCGCAAGCCTGCAAAGTCGCTGCCGAT ATGGGCGTTTGGATGGTCGATATGCACGCATCGGGCGGCCGCCGTATGATGGAAGCCGCA GCAGAAGCCGTTGCCGGATACGGCACGAAGCCGCTCTTAATCGGCGTAACCGTGTTGACC AGCATGGAACAAAGTGATTTGGCGGAAATCGGTTTGAACACCGCCCCTGAAGAACAAGTC ATCCGCTTGGCAAAACTGGCGCAAAGTTCGGGCTTGGACGGCGTGGTCTGTTCCGCCCAA GAAGCCGCGCGCTGCGCCGCGAATTGGGACAGGATTTTGTCTTGGTCACGCCCGGCATC CGCTTGGACGTTGCCGGCAATAATGATGACCAGCGCCGCATCATGACACCGGCCGAAGCC TTGGCTGCCGGTTCGACTTATTTGGTAATGGGTCGTCCTGTAACCCAAGCTGCCGATCCG GTAGCCGTATTGCGCGAAGTGAACCGCGTGGCAAACCTTGAAGCAAACTGATTTTCAGAC GGCCTTACAGGCTGAGGCCGTCTGAAAAAATACAACGGAGGCAATATGTCCGCCAAGTTC CAACAAGAAACCCTCAAATCCCGTTTCGCGCAAGCCAAAGTCCTGGTTGTCGGCGACGTG ATGCTCGACCGCTATTGGTTCGGCGATGTGTCCCGTATTTCGCCCGAAGCCCCCGTGCCG ATCGCTTCGTTGGGCGGCAGGGCAGGGCTGTTGTCCGTAACCGGCAACGACGAGCCGCC GACGCGCTCGATGCGCTGATGGTGCAGGACGGCGTCGCCTCCTATCTGATGCGCGACAAA CAAATCGCCACCACCGTCAAACTGCGCGTCGTCGCCGCAACCAGCAGCTTATCCGTCTT GATTTTGAAGAACATCCCAACTGCGAAGTGTTGGAACAAATCAAGCAGAAATACCGCGAA ATCTTGCCCGAATACGACGCAATCATTTTTTCAGACTACGGCAAAGGCGGCCTGTCGCAT **ATCTCCGATATGATCGATTGGGCGAAACACGCCGGCAAAACCGTCTTAATCGACCCCAAA** GGCGACGATTACGAAAAATATGTCGGTGCAACTCTGATTACGCCTAACCGCGCCGAATTG AAAGAAGTGGTCGGCAGTTGGAAAAACGAAAGCGAGCTGACCGAAAAAGCGCAAAACCTG CGCCGCCACCTCGACCTGACCGCCGTTTTACTGACCCGAAGCGAAGAAGGCATGACCTTG TTCAGCGAAGGCGAACCGATTTACCAGCCCACCGCGCCCAAGAAGTTTACGACGTATCC GGTGCGGGCGACACCGTCATTGCCGGAATGGGCTTGGGTTTGGCGGCAGGCTGCACCATG CCCGAAGCCATGTACCTTGCCAATACTGCGGCCGGGGTTGTCGTGGCGAAACTCGGTACG GCGGTTTGCTCGTTTGCCGAATTGATCAAGGCATTGTCAGGGCAATCAACAATGTAGTTT TCATATTGATAAGATAAACAGAACGATATAAGTATGACTATTTCGACAATGGCACAGACA CACGATACTCGATTACAAAAAACTTTGCTCTTTCCCAGTCAACAAGGTTGGAAATCTAAA ACTTTTCTTAAACCTGATTCACATATTAGATTAGCAACCGTATTCAGCGGGATTGGTGCG GTTGAACAGGCATTCCACCGATTAAATTTAAACCATACCATTGTTTTTTCAGGAGATATT GATCCATACGTTAAAAAAAGTTATCTTGGAAACTATAAATTAAATGAAGATTTTTGGCAT AACGACATTACTCAATTTGATGCGAGAAAGTTTAGAAATCAAGTTGATATTTTAGTTGGA GGCAGTCCTTGCCAAGCATTTTCCATGGTTGGCAAACGTGCAGGATTAGAAGATACACGA TATGAAAATGTAAAGGGCTTGCTTAATCATGATAATGGAAAAACTTGGAAAGTTGTAAAA AGTGTTTTTTTTTCACTTGGTTATGACTTATATTTCCAAATAATGAATAGTAAGGATTAT GGGATTCCTCAACATCGTGAGCGTATTTTTGTTGTTGGCTTTCATACCCCTCCTATAAAT **GGTTTTCAGTTTCCTGAAAAGATTGAATTAGAACATACTATGCAAGATTTTTTGGAGGAC** TATACTGATAGCAAATATTTTTTACGTGAAAAGGGTGCGAAATTTGTTACCAGTTCTAAA **AATAGACAAAAACGTTATACACAGATTAATGGAGAAATTGCCTTATGCCAAAAAGCAAAT** CAACAATTTAATTGGCATGGTGATTTTATTTTTCAGGCAGCCCGCGAATCTGAATTTGAT GACTTTATTTTTGATGTAAATAACGTTGAGGAAAAATATTATCTTTCTGAAAAAATCAAA AATTATGTTTTGGCAGGAGGAACAAAAATTTTAAAACCAGTACGGAAACTGATTTGCCT GTAGCTCGCCCATTATTGCAAACTATGCATAAAATGCATCGTGCCGGGGTTGATAATTAT

GTTACTCATAATCGTGGACGTATTCGTAAATTAACACCTAGGGAATGTTTGCGGCTAATG GGTTTTAGAGATGATTTTAAAATTTTAGTTAGTGATACTCAAATGTATCGCCAAGCGGGA AACAGTATTGTTGTTGATGTATTAATCGCTATATTAAAACAAATGGATATTACGCTTTAT GGAGAGTAAAATGCCGGATTTTCAAAGAATTACTATTGAAAACATAGAGTATTTTATTGT CGATAGTATTCAAAATTTACGTGCGGAAGATAGTTTTATTCACAGGAATAACAAGTTATC TCGAAAACTAAGTACATTTTTTGAGTATGAAAATTGGGGGGATTACTGAGACAAAAAATGG TATTTCAAGGTTTTATGATGATTACGTTTTAAGTATTAATAATCTGCCTACAGAAAATAT TTTCTTTTCAATCCATGATGTATCAGACCATTTGGAAAATTCTAAAGGTTACCGTAGGGG TTATATCCGTTCGGAGGATGATATATGGTCAATTTGGCGTAAGATTGTATTGCCCAAAAT TAGTTATTTATCAATTCTTAAACTATTGCCTGTCAAAGATATAGAAGATTCAGAACCATT ATTTTATTTCCGAATATTTTTGGATTATCAATTTCGCTCTATCGTGCACCCGCAACTCTT ATCAAGAGAAAAATTAGAAATACCGGCTTCAGAATTTAATCAATTCGTAGAGCAAGAAAT CATTAAACAGAAAAGTAGAAAAGGGCAGCAGAAATATCGCAAGGATGTTATAAATCATAT GTCGCAATGTCCATTTACATTAATTACAGATGAGATTTTGTTAAGGGCTAGTCATATTAA ACCTTATATGGTTTGTATTACTGAGAAAAATGAGAAAGAGGCATTAGATTATTTAAATGG GTTAGCTTTAACGCCGACTTATGATTGGTTGTTCGATCAAGGTTATATTACTTTCTTGGA TGATGGTCGTTTGATTTGCGGTACTCGACTAAGCCGTTACACATGGGAAAAACTTAATAT **AATATCATCGCAAATTTGTGTTTCAGGACAATATCGATGATTTCTTGTAACTAAGTTTAT** TTTATCGGCAGCAACATCGTCAAAGCACTTAATCAACGCGGTATTACTGACATTGTTGCC GTCGATAATTTGAGCAAAGGCGAAAAATTCAAAAACCTTGCCGAGTGCGAAATCGCCCAT TATCTCGACAAACACGAATTCATCCGCCAAGTGAGGGAACACATTTTACCTTATCAAAAC ATCGAAGCCGTTTTCCATCAAGGCGCGTGTTCCGATACGATGAACCACGACGGTTTGTAT ATGATGGACAACAACTACCAGTACACGCTGGATTTGCTGGACTGGTGTCAGGACGAACGC ATCCCCTTCCTTTATGCCTCCAGTGCGGCGGTTTACGGCAAAGGAGAAATCTTCCGCGAA GAGCGCGAACTCGAAAAACCGCTCAACGTGTACGGCTACTCCAAATTCCTGTTCGACCAA GTATTGCGTCGCCGCATGAAAGAAGGTCTCACCGCCCAAGTCGTCGGCTTCCGCTACTTC AATGTTTACGGACAACACAACACAAAGGCCGCATGGCATCCGTCGCCTTCCACCAC TTCCACCAATACCGCGAACACGGTTACGTCAACCTGTTCGGCAGTAACGACGGCTACGGC AACGGCGAACAAACCCGCGACTTCGTCAGCGTCGAAGACGTTGCCAAAGTCAACCTCTAC TTCTTCGACCATCCCGAACTTTCCGGCATCTACAACCTCGGTACCGGCCGCAGCCAACAG TTCAACGAACTCGCCGCCGCCACCGTCAACGCATGCCGCGCCGCCGAAGGCAAACCTGAA ATGAGCTTGAAAGAGTTGGTAGAAGAAGAACTTATCCGCTACATTCCCTTCCCCGACGCG CTCAAAGGCAAATACCAAAGCTTCACCCAAGCCGACATCACCAAATTGCGCGAAGCCGGA TATAAGGAAGAATTTTTCGATGTCAAATCAGGCGTCGACCGCTACGTCAAATGGATGCTG GAAAATTTGGCTTAATTTGAATGCCCGTAAAAAAATCGTCTGAAAATATCAGGCGATTTT GATTTGTTTAACTTTTATATGGATTTCGATGATGACCGAAATGCAACAACGCGCCCAACT GCACCGCCAAATTTGGAAAATTGCCGACGAAGTACGCGGCGCGGTGGATGGCTGGGACTT TAAACAATACGTTCTCGGCACACTTTTCTACCGCTTTATCAGCGAAAACTTCACCGACTA TATGCAGGCAGGCAGCAGTATTGATTACGCCGCTATGCCGGACAGCATCATCACGCC CGAAATCAAAGACGATGCCGTCAAAGTTAAAGGCTATTTCATCTACCCCGGCCAGCTTTT GTTTGACGACTTCGACACCACCAGCAGCCGGCTCGGCAGCACTGTTGCCGACAAGAACAA ACGCCTTGCCGCCGTCCTCAAAGGCGTGGCGGAACTCGATTTCGGCAATTTTGAAAACCA CCACATCGACCTTTTCGGCGATGCCTACGAATACCTGATTTCCAACTACGCTGCCAACGC AGGCAAATCCGGCGGCGAATTTTTCACCCCGCAAAGCGTATCCAAGCTGATTGCGCGGCT GGCGGTGCACGGACAGGAGAAAGTCAACAAAATCTACGACCCAGCTTGCGGCTCGGGCAG TCTGCTCTTGCAGGCGAAAAAACAGTTTGACGAGCACATCATCGAAGAAGGCTTCTTCGG GCAGGAAATCAACCACCACCTACAACCTCGCCCGCATGAACATGTTCCTGCACAACGT CAATTACAACCAATTCCACATCGAATTGGGCGACACACTGACCAAACCCAAAGCTCAAAGA CAGCAAACCCTTTGATGCCATCGTTTCCAATCCGCCTTATTCCATCAACTGGATAGGCAG CGACGACCCCACCTTAATCAACGACGACCGCTTTGCCCCGCAGGCGTACTTGCCCCGAA ATCCAAAGCCGATTTTGCCTTCATCCTGCACGCACTGAACTACCTTTCCGGCAGAGGCCG CCAATATCTGGTGGAGGGCAACTACGTGGAAACCGTGATTGCCCCTTGCGCCCAATCTCTT TTACGGCACCGGCATCGCCGTCAATATCCTGGTTTTGTCCAAACACAAAGACAATACCGA CATCCAATTCATCGACGCAAGCGGCTTCTTTAAAAAAAGAAACCAACAACAACGTCTTAAT CGAAGAACACATTGCTGAAATCGTCAAACTCTTCGCCGATAAAGCCGATGTGCCGCATAT CGCCCAAAACGCTGCCCAGCAAACCGTCAAAGACAACGGCTACAACCTCGCCGTCAGCAG CTATGTCGAAGCCGAAGACACACGCGAAATTATCGACATCAAACAGCTCAACGCCGAAAT CGGCGAAACCGTCGCCAAAATCGAACGGCTGCGGCGTGAAATTGACGAAGTGATTGCAGA GATTGAAGCATGAGCATCATCCTATACACCGCCAACGACGGCACTGCCCAATTTGCCTTG CAGGAATTTGGCGGACAGCTTTGGCTGACGCAGGCGGACATGGCAGAACTGTACCAAACC ACCAAACAAAATATCAGCAAACACATTAAAACCATTCTTGCAGAGCAAGAATTGGAAGAG AAGGCAACTGTCAACTTCCAGTTGACAGTTCAAAATGAAAACGGGCGCAAGGTAAACCGC AAAATCGCCCATTATTCCCTGCCCATGATTATTGCCGTCGGCTACCGCGTCCGTTCCGCG CGGGGCATCCAATTCCGCCAATGGGCAACCGAACGGCTGGACGAATATCTGACCAAAGGC TTTGCCATAGACGACGAACGCCTGAAAGGCACAGGCGGCGGCGACTATTGGAAAGAACTG CTCAACCGCATTCGCGACATCCGCAGCGCGAAAAAGCCCTATACCGGCAAGTGCTTGAT TTATATGCCACCAGCCAAGACTACAACCCCAAAAGCAGCGAAAGCCAAACCTTTTTTGCC

GCCGTTCAAAACAAACTGCACTATGCCGCCAGCCGGCAAACCGCAGCTGAGCTGATATAC AGCCGTGCCGACAGCAAAGACTTTATGGGGCTGACCACCTTTCAAGGCGCAATCCCC ACGCTGAATGAAGCCAAAATCGCCAAAAACTATCTGACCGAAGACGAACTGTTCCGCCTG AACCGTCTGGTTTCCGCCTTCTTCGACCTAGCGGAAATCAAAGCGCAGGAGCAAAGCCCC ATGTATATGCGCGACTGGATAGCCGAATTGGACAAATTTTCCGGGCTGTACGGACAAGGC TACCGCGCCTATGAAGCGCGCATCCTGTCGCCGGTGGAGCCAAGCCTATCTGGAAAGCGTT AAAGCGTTGGAAAAAACAGCCGTGCAACAGATCAAACAGAAAAAAGACCGCACAAAATAA GACGGACTTCAGCCCGCAGAAATAACGGCAAACGGACAGAGTGAGCCGAAGCACCCCGCA ACTGCCCCACATCCCGCCGCAACGGGAAAGAACGGAAAACAACCATGGATATGCAAAAC AAAGCGAAAAAATTGATTGAGATGATTCAGACGGCACCGGTGGAGTGGAAGCCGTTGGGG GAAGTGGCGAAAGTATTAAGAGGAAAACGTTTGACAAAGAAGAGCTAATTGAAGGTGGG AGAGCTAATCAAACGATGATTATTAATACGGGAAGTATTGGTGAAGTTATATGGAGTGGC GTAGATTTCTGGTCATCTGATGGTACTTTTGTGATTCAAACACCAAACTATCTTGATGAT **AAGTTTATATTCTACTTTTTAAAAACAAGAGAAGGATATATAAAATCCCAAAAGAGAGTT** GGTGGAGTTCCTACTATTGATAGATTAGTAGTTGAAAATATTTCGATCCCATCCCACCC CTGGAAACCCAACAAAAATTGTAAAAATACTTGACAAATTCACAGAGCTGTAAGCTACG CTGGAAGCTACGCTGGAAGCGGAATTAACCCTGCGCAAACGCCAATACCGGTATTACCGC GACTTTCTTTTAGATTTTAACAATCAAATCGGGGGGGATAGCTGATGGCTATAAAGGCCG TCTGAAAGATGTGGTTTGGAAGACGTTGGGGGAGGTATTTAATATTTTTGCTGGAGGCGA CGTACCAAAAGACGCTTTCTCTGAAGTGGAAACGGAAGAATTTTGTATCCCCATTTTATC TAGCTTAACTATATCAGCTAGAGGAACTATAGGTTGGGCTAGCTTTCAGAATAAACCTTT TTTCCCAATAGTACGCCTGTTAGTGTTAACACCAAAAATTGAATTAAACCTAAAATATGC CTACTACTTTATGAAAAGTATTGAATCAAATTATAAAGTTCCTGAAAGCGGTATTCCACA GCTAACGAAACCAATGATAAAAGATATTTCAATCCCCATCCCTCCACTCCCCGAACAGGA AAAAATCGTCGCCATCCTCGACAAATTCGACACCCTGACCCACTCCATCAGCGAGGGCCT **ACCGTACGAAATTGCCCTGCGCCGGAAACAATACGAATATTACCGCGGGCAGTTGTTGAG** CTTCCCAAAGGCTGCCTGAAAAGTCATAGCTGGTCTTTAAATCATGCCGTCTGAAAAATA TTGATAAGGAAATATCATGGGAAAAAGTTTAACCGAAATTGCTGAGGAACTAAAAGGAAA CGATAAAAAAGTCCAGCTAATCTATGCTTTTAACGGAACAGGGAAAACACGTTTGTCCAG AGAGTTTAAGAATTTAATTGCTCCAACCAGTTCAGAAGAGCCAGACGGAGAGCCAACAAG AAGAAAATTTCTCTACTATAATGCATTTACTGAGGATTTATTCTTTTGGGACAATGATTT GTTAGCGAACGAAGCTCCAAGATTAAAAATTCAAAAGAATAGTTTTACCGACTGGTTGCT TAGGGATAATGGACTGGATGGAGCTGTTATTAAAAACTTTCAATATTATACAGATGATAA GTTGACTCCTGATTTTAATGATGATTTTTCAGAAATTGCATTTTATTTTGCTCGTGGTAA TGATGAGCAGATTGAAAATATCAAAATTTCCAAAGGTGAAGAAAGTAATTTTATTTGGAG CATTTTCTATGTATTAATCAGACAAGTCATCGCTGAATTGAATATTCCAGAAGATAGCGA AGAAGGACGTTCCACAGATCAGTTTGACGATTTGGAATATATTTTTATTGATGACCCTGT CAGCTCTTTGGATGAAAATCATCTGATTCAGCAAGCGGTTGATTTGGCTGATTTGATAAA GCTTAGCAAACCGAGGTTAAAGTTTATCATTACTACACATAATGTTTTATTTTACAACGT TCTATACAATGAACTAAAAAATTAGAAAAGGAAAAGAAAAGTTATCTTCTGTTAAAAAA TGAAGATGGTAGTTTTGATATTCTTGAAAAACAAGGTGATTCCAATAAAAGTTTTTCATA TCACCTTCACTTAAAAGGAGTTATTGAAAAAGCTATCGAGAATCAGCAGGTAGAACGGTT TCATTTTATGTTGCTGAGAAACCTGTATGAAAAAACAGCTAATTTTTTAGGCTATAAGCA **AAGGTCTGATATTTTGCCCGAAGACAGCAGACGAAACTATTTTCAACGTATTATTAACTT** TACAAGTCATTCTACATTATCTAATGAGGCATTTGCCGAGCCAACACCACAAGAACAAGA **AACTGTCAAATTGCTTTTGCAACACTTGCTGGATAACTATAATTTTTTTCAAGATGATGA** ACAAAGAGATAAGCCATGAACCTCGAAACCCAAACCCATCGCTGAAACGCCGAATTTCATC GTGCTCGACCAATATGAAAAAATCGAACAGTCGGGCAGCTACCAATCGGAAAACCGGTTG GAAGCGGAGTTAATCGCCGATTTGCAGAATCAGGGTTACGAATACCGCAAGGATTTGAAC **AGCCAAAGCAGGCTGCTGGAAAACCTGCGCGCGCAGTTGCAGCGGCTGAACGATGTGGCG** TTTTCAGACGGCGAATGGGCGCGTTTTTGACGGAATATCTGGACAGGCCGTCTGAAAAC ATTACCGATAAAACCCGCAAAATCCACGACGACCATATTTACGATTTCGCTTTTGATGAC **GGTCCTTGGATTCGGATTTCAAGTGCAACACTAGTGTATTAGTGGTTGGAACAGATTCAA** GAATAAAACACTTGGCGTTTCGTAGCCAAGTGTTTTTCTTGGTCGGTGGTTCAACTCATC TTGCCGGATGAGTCCGTTGGTGTTCTCATTCAGCCCTTTCTCCCAAGAATGGTAAGGGCG ACAAAAATAAGTCTCCGCTTTCAATGCTTTGGTTATTTTTGGTGTGTTGGTAGAACTCTTT GCCGTTATCCATGGTAATGGTGTGCACCCTGTCTTTATGTGCCTTTAATGCCCTAACAGC TGCCCGGGCAGTGTCTTCGGCTTTGAGGCTATCCAATTTGCAGATGATGGTGTAGCGGGT AACGCGTTCGACCAAGGTCAATAATGCGCTTTTCTGTCCTTTGCCGACAATGGTGTCGGC TTCCCAATCGCCGATACGGGATTTCTGGTCGACGATAGCGGGTCGGTTTTCTATGCCGAC ACGGTTGGGTACTTTGCCTCTGGTCCATGTGCTGCCGTAGCGTTTGCGGTAGGGTTTGCT GCATATTCTGAGATGTTGCCACAACGTGCTGCCGTTGCTTTTGTCTTGGCGAAGGTAGCG GTAAATGGTGCTGTGGTGGAGCGTGATCTGGTGGTGTTTTGCACAGGTAGGCGCATACTTG TTCGGGACTGAGTTTGCGGCGGATAAGGGTGTCGATGTGCTGAATCAGCTGCGAATCGAG CTTATAGGGTTGTCGCTTACGCTGTTTGATAGTCCGGCTTTGCCGCTGGGCTTTTTCGGC GCTGTATTGCTGCCCTTGGGTGCGGTGCCGTCTGATTTCGCGGCTGATGGTGCTTTTGTG GCGGTTCAGCTGTTTGGCGATTTCGGTGACGGTGCAGTGCGGGGACAGGTATTGGATGTG ... CGTATGCTACCGCATACTGGCCTTTTTCTGTTAGGGAAAGTTGCACTTCAAATGCGAATC CGCCGTCGTCTGAAAAACATTTATCTGCTGGACAAGAAAAACCTTGCCCGCAACCATGTG

CAGGTTATCAACCAGTTTGAGCAGACGGGCACGCATGCAAACCGCTATGACGTTACCGTG TTGGTAAACGGCCTGCCGCTGGTGCAGATTGAATTGAAAAAGCGCGGTGTGCCGCTGCGC GAGGCATTCAATCAGGTGCACCGTTACAGCAAAGAGAGCTTCAACAGCGAAAATTCGCTG TTCAAATTCCTGCAAATCTTCGTGATTTCCAACGGCACGGACACGCGCTATTTCGCCAAC ACCACCAAGCGCGACAAAAACAGCTTCGATTTCACGATGAATTGGGCGCGGTCGGACAAT CATCCGATTAAGGATTTGAAAGACTTTACCGCCACGTTCCTGCAGAAAAGCGTATTGCTG GGCGTTTTGCTGCATTACAGCGTGTTCGATGCGAATGATACGCTGCTGATTATGCGGCCG TATCAGATTGCCGCCGCCGAACGCATTTTGTGGAAAATCAACAGCTCGGCGCAGGCGAAG AATTGGAGCAAACCGGAAAGCGGCGGCTATGTCTGGCACACCACGGGCAGCGGCAAAACG CTGACCAGCTTTAAGGCGGCGCGTCTGGCGACGGAATCGGCATTTATCGACAAGGTTTTC TTCGTGGTGGACAGGAAGGATTTGGACTATCAGACGATGAAGGAATACCAACGTTTTTCG CCCGACAGCGTGAACGGTTCGGAAAGCACGGCAGGCTTGAAACGCAATTTGGAAAAAGAC GACAACAAAATCATCGTTACCACCATCCAAAAGCTGAACAACCTGATGAAGGGCGAAGAT AATCTGCCGGTTTACCATCAGCGAGTTGTCTTTATTTTCGACGAATGCCACCGCTCGCAA TTCGGCGAAGCGCAAAAAAACCTGAAAAAGAAATTTAAAAAATTCTGCCAGTTCGGCTTT GGGCGGGAGCTGCATTCTTATGTGATTACCGATGCCATCCGCGATGAAAAAGTATTGAAA TTCAAAGTGGATTACAACGACGTGCGCCCGCAGTTCAAAGCCGTGGAAGCGGAACAGGAC GAGAAGAAACTGAGTGCCGCCGAAAACCACAAAGCCCTGCTGCACCCTGAACGCATCCGC GAAATCACGCAATATATCCTGAATCAGTTCAGGCAGAAAACGCACCGGCTGAATGCGGGT GGCAAAGGCTTTAACGCGATGTTTGCCGTCAGCAGCGTGGATGCGGCGAAGTGCTATTAC GAAGCGTTCAAAACACAACAGGCAGGCAGCTTGCACCCGCTGAAAGTGGCCACCATTTTT TCCTTTGCGGCCAACGAAGAGCAAAACGCCGTCGGTGAAATTGTCGATGAGACTTTTGAA CCGGAAGCGATGGACAGCAGCGCAAAAGAATTTTTGCAGGCTGCCATCAACGATTACAAC GCCTGTTTCAAAACCAATTTCGGCACGGACAGCAAAGCCTTTCAAAACTACTACCGAGAT TTGGCAAAACGGGTGAAAAATCAGGAAATAGATTTGCTGATTGTGGTCGGCATGTTTTTG ACGGGTTTTGACGCGCCGACGCTGAACACGTTGTTCGTCGATAAAAACCTGCGCTATCAC GGCCTGATGCAGGCGTTTTCGCGCACCAACCGCATTTACGATGCCACCAAAACCTTCGGC AATATTGTCTGCTTCCGCGATTTGGAGCAGGCAACCATTGATGCGATTACCTTGTTTGGC GACAAAAACACCAAAAACGTGGTGCTGGAAAAAAGTTACGAAGAATACATGAACGGCTAT ACCGACAGCCAGACCGGCGAAGCACGGCGCGGTTATCTGGATGTGGCAAAAGAATTGCGC GAGCGTTTCCCCGATCCCGACAAAATCGAAACGGAAAAAGACAAAAAAGATTTTGCCAAA CTCTTCGGCGAATACCTGCGGGCGGAAAACGTATTGCAGAACTACGATGAATTTGCCGCG CTGCGCGAGTTGCAGAGTGTGGACGCGGCGGACGAAGATGCGATGAAGGCGTTTCAAGAA AAATACTACCTGAGCGATGAAGACGTGCAGGAAATGCGGCAAGTGCCGATGCCGTCTGAA AGGGCGGTGCAGGACTACCGTTCCGCCTACAATGACATCCGCGACTGGCTGCGCCGCCAA AAAGCAGGCGAACAGAAAGAGCAATCAAAAATCGACTGGGACGATGTGGTTTTTGAGGTG GATTTGCTCAAATCACAGGAAATCAATCTGGATTACATCCTGCAACTGGTTTTCGAACAC CACAAAAAAATCAAAGGCAAAGCGGAGCTGGTGGAAGAAATCCGCCGCATCATCCGCGCC AGCATCGGCCACCGCCCAAAGAGGGTCTGATTGTGGATTTCATCAACGATACGGATTTG GACAAAGTACCCGACGTTCCCGCCATACTGGAAACCTTCTACACCTACGCGCAAGAGGTG ATGCGGCACGAAGCGGCAGGATTGATTGCCGCCGAAGGCCTGAACGAAACCGCCGCCAAA CGCTATTTAATCAGCTCGCTCAAACGCGGCTATGCCAGCGAAAACGGCACGGAACTGACC GAAACCCTGCCGAAAATGAGTCCGCTCAACCCGCAATATCTGACGAAGAACAAAGTGTT TTTCAAAAGATTGCGGCGTTTGTGGAGAAGTTTGCCGGAATAGGGACCGATATTTGACAA AATGCCGTCTGAAATTTCAGACGGCATTTTTGATTTTATGCGGAGGCGGTTTTTATTTTG ACCTTGCTTTTCTTAAACTTCAACACGGCTTCTTCTTTTTGCCGCATCCCAGTCTATCCGT ACGAAGCCGCCGTCGGATAGTTTGCCGAACAGGAGTTCGTCGGCGAGCGGTTTGCGGATT TTTTCCTGAATCAGGCGGTGCATCGGGGCGCGCGCCCATTTGCGGGTCAAAACCTTTTTCC GCCAGATATTTGTGCAATGCCGACGTGAATTCGGCTTCGACTTTTTTGTCGAGGAGCCGG TGTTCGAGCTGGAGCAGGAATTTGTCCACGACTTTGGTGATGACGGGTTCGGATAAGGGC GCAAACGGGATAATCGCATCCAAGCGGTTGCGGAACTCGGGCGTGAAGAGCTTGTTGATA GCCTGCATTTCGTCGCCGCGCTCGCGTTTGGCGGTAAAGCCCGAGGCTGGGTCGGCTGAGA CTCTCCGCACCTGCGTTAGTGGTCATAATTAGGATGACGTTGCGGAAATCGGCACTCTTG CCGTTGTTGTCGGTCAGTTTGCCTGCGTCCATGACTTGCAGGAGGACGTTGAAAATGTCG TCGGTCAAAAGGCCGCCTTGTTCAAAGCCGACGTAGCCCGGTGGTGCGCCGATGAGGCGC GATACGGCGTGGCGTTCCATATATTCGGACATATCAAAGCGTTGCAGCGGTACGCCCATC GAGTAGGCAAGCTGTTTGGCGACTTCGGTTTTGCCGACGCCAGTCGGACCGGAGAAGAGG AAACTGCCTATCGGTTTGTCGGGCAGGGCAAGGCCGGAACGCGACATTTTGACGGCAGCA ACCAACGCGTCGATGGCGTTTTCCTGACCGTAAACCATGTTTTTCAAATCGCGGCCGAGG AATTGCAGCACCTGTTTGTCGTCGTGCGACACGGTTTTTTCTGGAATCCGCGCGACTTTG GCGATGACGGTTTCGATTTGCGCTTTGCCGATGACTTTTTTCTGTTTGGATTTGGGCAGA ATCCGTTGCTCCGCCCTGCTTCGTCCATCACGTCGATGGCTTTGTCGGGCAGGAAACGC TCGTTGATGTAGCGTGCGGAGAGTTCGGCGGCGCCTTCGAGTGCGCCTTGAGTGTAGCGG ACTTGGTGGAAGGCTTCAAACATCGGTTTCAAGCCGCGCAGGATTTGAACGGTTTCGGAA ACGGTGGGTTCGACCACGTCGATTTTTTGGAAGCGGCGGCTTAAGGCATGGTCTTTGTCG AAAATGGTGCGGTATTCGTCGTAGGTGGTCGCGCCGATGCAGCGCAGCGAACCTTTTGCC AGCGCGGGTTTGAGCAGGTTGGACGCGTCCATGGTGCCGCCGCTGGTGCTGCCCGCCGCCG ATGATGGTGTGGATTTCGTCGATAAACAAAATGGCGTGCGGGATTTTTTCGAGCTGTTTC AAGACGGATTTGACCCGCGCTTCAAAGTCGCCGCGGTATTTCGTGCCCGCCAACAGCGAG CCCATATCCAGCGCGTACACTTCGGCATCTTAAGCGCGTCTGGAATGCCGCCGTTGACG ATTTGATGTGCCAAACCTTCCGCCAGCGGGGTTTTGCCCACGCCCGCTTCGCCGACCAAA AGCGGATTGTTTTTGCGGCGGCGGCATAGGATTTGCACCAGCCGTTCCATTTCGTGTTTG CGACCAATCAAAGGGTCGATACGGCCGGCTTTGACTTCGGCGTTGAGGTTGACGGTGTAC

GCCGATAAAGGGTTTTTGCCCGGTTTGGTGCGGTTTCCATTATCGTCGTCCATGCCGTCT GAAGAATAGTTGCCATCGTCTTCATCTTCATCTTCATCTTCATCTTCATCGGGAGAGCCG TGGGCAATACAGCGCAAAACTTCAAAACGCGTAACCGATTGCAGCTTGAGGAAATAGACG GTGTGGCTGTCGGTTTCGCTCATCAGCGCGACCAAAACGTCCAACGGTTCGACTGCGGCT TTTCCGGCAGACTGGGTATGCACCATCGCCCGTTGCATCACGCGTTGGAAGCCGAGCGTG GGCCGGGTTTCGACCGTGTCTAAAAGGTGTTCGGGAATCAGGGGGGTGTTTTCGGCAACG CTGGCGGCGAGCTGTTCGGACACCACTTTCAAATCCGCGCCGCAGAGCTTGAGGACGTTG TGGACGGAGGCATCTTCTTCGATGAGTACCAAAAGCAGATGCTCGAGGCTGATAAATTCA TAATGAGCCTTACGCGCCTCGCGGTAAAGCTGCTGCAAAATCTGTTCCAATTCGGGTGCA AGCATATTAAATCTCCTCGACAATACATTGCAGCGGATGCCCTTCGGCTTTTGCCCGCTG CATGACTTGTTGTTTGGTTTGGGCAATATCGCGCGTGTAAGTGCCGCACAGGCCTTT GCCTTCGTGATGAACCAAGAGCATTACCGCTACCGCCTGTTCTTGTCCGAGCATAAAGAT TTCGGTCAGGATTTCGACGACAAATTCCATCGTGGTGTAATCGTCGTTCAATAGGAAAAC GCCGTAACGTTTCGGCGGCAGGGTGTTCAGACGGTGCAAGAGCGTGTCGGATTGGTGTTG CGCGGTCATAGTGTGTCCCATTTGAAAGCCGCGTTCAGACGGCATTTTTGTTGTATTTTC GGTACTTTTGCCTATTTTCCCACTTTTTTGAAAACATAGCTTGACGTTTTGTCTTAACAA GCCAGACGGCTCGGTTTGCCGTATGCCTTGTTTTGCTGATTTTGTTAATTTTTGAGTATA GGAAGTTTCTAATGGCAACCGGTATCGTAAAATGGTTTAACGACGCTAAAGGTTTTGGTT AAGGTTTCAAAACCCTGAAAGAAGGCCAACGCGTCTCTTTCGACGTAACCACCGGCCCTA AAGGCAAACAGGCCGCCAACATTCAGGCTGCTTAATTCCTGATGTACGGTCAAATGTATA TTTGAAAACGGCGGGACAGGCAATGTCCCGCCGTTTTTGTCTGCCGTTTTTGCCGGCGGCG GAAAAACCCCAATCCCCGCACGCCTTATCCTGAACTTGTGTGTACCCTGTTGTGGACAAG TGGCTTAGTATTTTGACGGATAAGGGAAAATCAGTGCTGATGAAAAAATGTGCAATGTTG TCGGCAAAAGGCGGTGCGGCATAAAACGGCAAACGGGTAGGCACGGGGCAAAACGTGCTG CCTTCGTCTTCAGACGGCATCGGCAGGGCGTTCAGCTTCCGGCAACCGTCATCCCCGCAA TCAGAATCGAGCCGATTTTGTTGGACGAACGCCGCAAAGCGTCATCCGCCACGCCGACAA TGTCGCGGTACATATCCTGCAAGCGTCCGGCTACGGTAATCTCGTGGACGGGGTAGGCAA TCACGCCGTTTTCCACCCAAAAACCCGCCGCGCGCGCGAGTAGTCACCGGTAATGGTGT CGGATTGCGTTTCGTGCGTATGGTTCAAATACAGGTTGTGCGCGCCGCCGGCGTTGCCCG TGGTCTGCATACCGAGTTTGCGCGCGCTGTAACTGCTGAGGAAATAGCCTTCGACAATGC CGTTTTGAATCACGAAGCGCGGTGCGGTGGCAACGCCTTCCGCATCAAAATAGCTGCTGC GGAAAGAGCGGGGGATGTGCGGTTCTTCGCGCAGGTTGAGGAAATCGGGCAGGACTTTTT TGCCGATGCTGTCGATCAGGAAACTGCTTTGGCGGTAGAGCGCGCCGCCGGAGAGTGCGC CGACGAGGTGTCCGATAAGACCGCCCGAAACGGTGGTATCGAAGAGGACGGGGTAGCTGC CTGTCGGGATGCTGCGGCTGCCGAGTCGGCGCAAAGTGCGGCGGCGGCGGTTTGACCGA TGGTTTCGGGGCTGTCCATATCCGGATGGCGGCAGGCGGAATCGTACCAGTAGTCGCGCT GGTGTGCGGCAAAACCGTGGGTGTTGCCGTAAACGTATTGGTAATGGCCGGTTTGCACCG CCGCGCCTTCGGAGTTTTCGATGCGCTCATCCTCGTTCAGGGCGGCTTGTTCGCATTGTT TTGCCAAGCCGACGGCGGCTTCCGTATCCAAATCCCATTCGTGGTAAAGGTCGGGGTCGC CGATGTGTTTTGCCATCAGACAGGCATCGGCAAGTCCGGCGCAACCGTCTTCGGCGGTGT GGCGGGCGATGTCGATGGCGGCTTTGACGGTGTCTTGCAGGGCTTTTTCGGAGAAGTCGG CAGTACTGGCGCGGCCTTTGCGTTTGCCGACGTAAACGGTAATGTCCAGCGACTTGTCCT GCTGGAACTCGATTTGTTCGATTTCGCCCAGCCGCACGCTGACGCTTTGTCCCAATGATT CGCTGAAATCGGCTTCGGCGGCGGTTGCGCCCGTCGCTTTTGCCAAGTCGAGCGTGCGGC ATGCTTTGCGGCATTTTAACCGTTTCGGGCGGCAGGGGCAAAAGCGCGCCGTTTGCAGGG CGGACGGTGCAAAATGCCGTCTGAACGCGGCGGCATTCTGTTAAAATGCGCTATTGGAAA **AATTCGAGAATCAAGATGTTTGAACAAGAAGACGAATGGATCAGCAAAACCCAAATGAAA** AAGCAGATGAACGATTTGCAGGATTTGGGTATGGCGTTGACCAAGCTCTCAAACGATACG CTGAAAAAATCGGTTTGGATGCGGATTTGTACGAGGCGGTAACCGCCTATAAAAAAATC ACATCCAACGGCGCGCTCAAACGCCAGGCACAATTTATCGGCAGGCTGATGCGCGATACC GATCCCGCGCCCATCGAGGCGTTTCTTGCCAAGCTGCGCGGCGACGATGCGGCGCACAAC GCCTTTTTGCAACGCGTGGAACAGGCGCGCGTACGGCTGTTGGCAGACGACGCGCGCTTG ACGCAGTTTATGTCGGATTTTCCGCATGCGGACGCGGGCAAGCTGAGGACACTCATCCGC AATACCAAAAAAGAGCAGGAGCAAAAACAAACCACCAAAAAATTTCCGCGCCCTGTTTCAA GAGTTGAAAACCGTGATGGAAAACGGGGGACGCGGAAATTTAGGCATATTTTCAGACGACA TCCGCCGTTATTTAGATTGGAGGATAAAATGTTGTTCCGTAAAACGACCGCCGCCGTTTT GGCGGCAACCTTGATGCTGAACGGCTGTACGTTGATGTTGTGGGGAATGAACAACCCGGT CAGCGAAACAATCACCCGCAAACACGTTGACAAAGACCAAATCCGCGCCTTCGGTGTGGT TGCCGAAGACAATGCCCAATTGGAAAAGGGCAGCCTGGTGATGATGGGCGGAAAATACTG CAAACCCTTCCAAATAGTTGAGGATACCCCGAGCTATGCTCGCCACCAAGCCCTGCCGGT CANACTCGAATCGCCTGGCAGCCAGAATTTCAGTACCGAAGGCCTTTGCCTGCGCTACGA TACCGACAAGCCTGCCGACATCGCCAAGCTGAAACAGCTCGGGTTTGAAGCGGTCAAACT CGACAATCGGACCATTTACACGCGCTGCGTATCCGCCAAAGGCAAATACTACGCCACACC GGTTACTGAAGAACATACCGACAAATCCAAGCTGTTTGCAAATATCTTATATACGCCCCC CTTTTTGATACTGGATGCGGCGGGCGCGCTACTGGCCTTGCCTGCGGCGCTCTGGGTGC GGTCGTGGATGCCGCCCGCAAATGAACAGCAATGCCGTCTGAAAAGCTTTCAGACGGCAT TTTAAGCACACGCACAGTAAAACCCCACGTTATGTCAGTGAAAATCGAAAGGCGATCC GTCAATACCGACGTTTTTAATCATTTGCTCACCGCCGGTGCCGATCCTTTAATCGCCCAG

CTTTGTGCTTCGCGCGTGTGCAAAGTCCTGCCGAATTGGACGACAAACTCGCTTCCCTC CTGCCTTATCAATCGTTGACGAATTGCGAAGCCGCCGCCGCTTTGGCGGATGCGGTT GGGCGCAAGGAAAAATCCTGATTGTTGCCGACTATGATGCCGACGGTGCGACGGCGTGT GCCGTCGGTATGAGCGGTTTGGCGGCGATGGGGGCGAAAGTGGATTTCCTTGTGCCCAAC CGCTTTGAACACGGCTACGGCTTAACGCCCGAACTTGCCGAAATCGCTGCCGCGCAGGGC GTGGATTTGCTGATTACGGTGGATAACGGTATCGCCAGCATCGCAGGCGTGGCGAGGGCG GACTGCATCATCGTCAATCCGAACCAAAAAGGCTGCGGTTTTCCAAGCAAAAGCTTGGCG GGCGTGGGCGTGATTTTTTATGTATTGATGGCGTTGCGTGCCGAATTGCGCCGCCGCAAT TATTTTCAGACGGCATCAAAGAGCCGAATTTGGGCGAACTTTTGGATTTGGTCGCACTC GGCACGGTTGCCGATGTCGTCCCTCTCGACCACAACAACCGCATCCTCGTGTCGCAAGGT TTGAAACGGATGCGCTCCGGCAAAATGCGCCCCGGTATCCGCGCCTTGTTTGAAGTGGCG CGGCGCGATTGGCGCAAGGCGCAGCCGTTTGATATGGGTTTTGCGTTGGGCCCGCGCATC AACGCCGCCGGACGCTGGACGATATGTCGGTCGGCATCGCCTGCTGTTGGCGCGAGAT GATTCCGAAGCTCAGGAACTGGCGGCTCAGTTAAACAACCTCAATATCGAGCGCCGCGAA ATCGAGCAGTCTATGCTGCAAGACGCACTGAATGATTTCCCCGAAACCCTGCCTTCAGGT CAGATGACTTTGGTGGCGTATCGCGACGACTTCCATCAAGGTGTGGTCGGCATTGTCGCC AGCCGCCTCAAAGACCGTTTTTATCGTCCGACCATCGTGTTTGCGCCTGCCGACAACGGC GAAGTACGCGGTTCGGGACGTTCCATTCCCAATTTGCACCTGCGCGATGCTTTGGACTTG GTGTCCAAACGCCATCCCGATTTGATTTTGAAATTCGGCGGACACGCGATGGCGGCGGGT TTGAGCATACTTGAACACACATTCCCGCGTTTCAGACGACCTTTGAAGAAGCCGTGCGC GAAATGGTGTGCGAAGACGATTTGTCGCAAACCTTCATCACCGACGGCAGCCTGCCCGCC TGCGACATCACGTTGGAACAGGCGCAAAACCTTGCCCGTCACGTTTGGGGGCAGGGCTTC GCGCCGCCGAGCTTTACCGACGAGTTCCACGTCGTCCGCCAGCAACCTTTGGGCGCGGAG GGCAAACACAAAAAGTCTGGCTGCAAAAAGACGGCTGCGAATTTGAAGCGATGTTTTGG CGTTGCAGCGAAGACATTCCCGAATACATCCGCACGGTTTACCGCCCCGTTGCCAACGAA TGGCGCAACAATCTCGAATTGCAGCTGTATATCGATTACTGGGAAGCCGCGTAGAGGCGG CGGAACACTGTTTGAATGTGATTTCTGTTCCTTCATTTGCCTGTTTGTACGACGGGAATG TTCCCAATCGGAGAAGGCGCATCAAATTTCAGACTCTGCCACAAAAGCAGGGTCTGATTT TTTTGGAGGGCAATCTGTTATAATGACGCGTTGCCGCCGCGAGGGCGGCGTGATTCGGAC GGCGTAGTTTCTACGCCTTTTGTTTATGGTTACGGCATCTTGCAAACCGCGCCTGATGCC GTCTGAACACGGTTGCCTGTGGAGATGCCGCTCTTCGGGTCAGAATATTTATGCTGAAAA AATGGTTGAATAAGATGCTGCCTTCCGGTCGGAGCAGTAAAAAAGCGGAAAGTAAAACGG TCATTCCTGCCGAAAGACACAACATCCGTGCCGAAATGTTGAGCTTTGCCGCCGAAAACG TCATACGCCGCCTGAAAGGGACGGGGTTTCAGGCTTATGTGGTCGGCGGCGCGGTCAGGG ACCTGCTGCTCGGCATCGAACCCAAAGATTTCGATGTCGCAACCGATGCCACGCCCGAAC AGGTGCACAAACTCTTCCGCCGCAGCCGCATCATCGGCAGGCGTTTTCAGATTGTCCATG TGATGAACGGTGCAGAGACTATCGAAGTAACGACGTTTCGCGGCGGTGCGAAAGTACATC AGAATGCACGCGGCAGGATTATGAAAGACAATACCTATGGCAGCATCGAAGAAGATGCGA TGCGGCGCGATTTTACCTGCAATGCCTTGTATTACGATCCTGAAAAAGAAGAGATTTTGG ATTTCCACAACGGGATTGCCGATGTTGCCGCCCACAGGCTGGTTATGATTGGCGATGCCG CCGAACGCTATCAGGAAGACCCTGTCAGGATTTTGCGCGCCATCCGCCTGTCGGGCAAAT TGGGCTTTGAGCTGTCGGAAGAAACCGCCGCACCGATTGCCGAATCGATATGCCGTCTGA AGCACGAACCGGTAGCGAGGCTGTTCGACGAAATTATGAAATTGCTGTTTTCAGGGCACG TCAATGCCTTGCGCGTTTCAGACGGCATCGCCGGAAAAATGACGGTGCTTGCCCTGAAAA TGATGTGGCCCGAGTTGGAACGCCATTGGAAAAGCAATCTGCAACAGGGTTTGAAACCCG CGCCCGCCTGTCCGATGCAATCAATACGATGCGCGAAACCGTCGAACGCGGTTGGGGCG TGCCGCAACGCTTTTCCGCCACGATGCGCGAAATTTGGATGTTCCAGCCGCAGTTTGAAA ACCGCAAAGGCGCAAGGCCGCACAAACTGTTTGCACAGGCGCGTTTCCGTGCCGCCTATG ATTTCCTGCTCTTGCGCGCCGAAACCGGCAATGCGGACCGCGCCCTTGCCGAGTGGTGGA CGGCGTTTCAGACGGCATCGACGGAACAGCGGTCGGAGATGACCAAAAACGAAGCCGCCG AGCCGAAGGTTGTGGGAACGGATTGGGAATAAGGGTCAACAGACATGGAGCAATGAAGTT TCAACACATGGGATGAAGCATAAAGTGCCGTTCTATGCATTATCCTGATTTGTAAGGGGA TTCATCCCCGTAAATAAAGTCTAACCCTGCCTCTCGGAAAAAGGATGTCCGGGTGGGCAG GGTTCAAGCAACAAGGAAAAATTGATGAAAAAATGTATTTTGGGCATTTTGACCGCGTGT GCCGCCATGCCTGCATTTGCCGACAGAATCGGCGATTTGGAAGCACGTCTGGCGCAGTTG GAACACCGTGTCGCCGTATTGGAAAGCGGCGGCAATACCGTCAAAATCGACCTTTTCGGT TCAAATTCCACCATGTATGTATGCAGCGTTACGCCTTTTCAGAAGACGTTTGAGGCAAGC GATCGGAATGAAGGCGTGGCGCGGCAGAAAGTGCGTCAGGCGTGCAACCGCGAAACTTCG GCAATGTTTTGCGAAGATGAGGCAATCCGATGCAGAAAATTCGATTGATGTATCGGTTGG ACGGATAAAGAAACGGATACGGATACGGAGCTTGGCTTCCGTATCTGTTTTTCTCTGCCT GATTTTCCATGCATCGGGTTTCAGACGGCATTGGAATGTCAGTCGTGTTCTGCCGATTCG TAGGCTTCGACGATTTTTTGCACCAAAGGATGCCGGACAACGTCTTCGCCGGTAAAGGTG TGGAAATACAGCCCTTCCACGTTGTGCAGTTTCTCACGCGCATCTTTTAATCCCGATTTG ATGTTTTTGGGCAGGTCGATTTGGCTGGTGTCGCCGGTAATGACGGCTTTCGCGCCGAAG CCGATGCGGGTCAGGAACATTTTCATTTGTTCGGGCGTGGTGTTTTGCGCTTCGTCGAGG ATGATGTATGCGCCGTTGAGCGTCCTGCCGCGCATATAGGCGAGCGGGGCGATTTCAATC AGGCCTTTTTCAATCAGCTTGGTTACACGGTCAAAGCCCATCAGGTCATAGAGGGCATCA TAAAGCGGACGAAGGTAGGGATCGACTTTCTGGGTCAGGTCTCCGGGCAGGAAGCCCAGT TTCTCGCCGGCTTCGACGGCTGGGCGCACTAAAATGATGCGTTCGACTTGGTGTTTTTCC ATCGCATCGACGGCGGCGCAACGGCGAGATAGGTTTTGCCCGTACCTGCCGGCCCGAGA CCGAATACGATGTCGTGGTTGAGCAGGGCGCGGATATAGCCGTTTTGCCGTGGCGTTCTG

CCGCCGATGCTGCCGCGCTTGGTGCGGAAATAATAGGCGTGGTCATGGTTTTTTTCTTGA TGACCGGCATCTTCGGTTTGGGCTTCGACGGCGGCAAGCCTGATGTCGCCGTCGTTTAGG TCGCGCGTCTGCGCCGTTTCCAAGAGTTTGAGCAGTGCGCGTTTGCCGGCGTGTGCAAAT GCGCCGTTGAAAGTGAAATGTTCAAAACGGCGGCTGATGTGGATATCGAGTGCTTTGGCA AGTAAATCAAGGTTGTTGTCAAAAGAACCGCACAGACGCTGCAACGCCAAGTTGTCGGTT TCTTCTAAATGCAGGTGGACGGTATGTGTCATATGAAGGTCCGAATAGTTGGATATTGTG TGATTTTAATCTATAGTGGATTAGATTTAAACCAGTACGGCGTTGCCTCGCCTTAGCTCA AAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTAC TGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATTTCACCGGTATT TTCTTACCGTATTCTGCGATTGCCTGTCGGAAAATGCCGATCAACCTGCCTATAACGGCA TTTTCGCCAAATTCGTTCAGACAGTTTTCTCTAAGTCGGGCAGGTTCGAAATCAGAGTGG TGTTCACACATTTTGATGAGTGCGTCGGCAAGGGCATCGTCGTCGTCAACAGGAACCAAA TATCCGTTGCCGTCTGAAACAATAGATTCCGCACCGCCGCAGCGTGTTGCAATGACGGGC **AATCCTTGGGACAGTGCTTCGATATAGACTACGCCGAAGGTTTCTGTGCGGCTGGCAAGG** ACGAATGCGTCGCTGTTCCTCATCAAATCCAAGACTGCTTCGGGCTGCAATGCGCCCAAA AATGTAACGGCATGGGTAATGCCCAAGTCTGCCGCCTGCTGTTTCAGCCGCTGTTCTTCC TGTCCGCTGCCGCCGATGTTCAGGCGCAGTTGCGGGCATTGTGCCAACGCCCGGGCAAAG GCAGTGAGTAGGACATCGTGTCCTTTGAGACGGCGAAGGTGCGAGACGGTGCAGAACACG TATGTTGGGGGAGGTACTGCCATTCGCAGCCGTATTTGTGTTGCAGGACGTGTGCGAAAT GGCGGCTGACGGCGAGACGTGCGGCGGCGTGTGCCGCCGCATTTTTCATAGGCTGCCATT GGTGCGGGCGCACCAAACCGCGCGTAATGGTGCTGCTGTTTCCGTGACGACATAGGGGA TGCCGTATTTTTGGGAAATCTTGAAGGCAAGTATGCCGGCATAGTTCATACAGTGGGCGT GAATCAGGTCGGCCAGCCCGTTTTCGCGGATGTAGTGTTTGAAAGCTTTCAAACCCGCAC ACACCCAGCGGATGCGGTCGATGTCGATGAACGGAAAGCGGGGGAAGAAATACATGCCGT GCCATGCATAGATGTCCAAACCGCTTTGCCGATATAGTGGATTAACAAAAATCAGGACAA GGCGACGAGCCGCAGACAGTACAGATAGTACGGCAAGGCGAGGCAACGCTGTACTGGTT TTTCCGCAAGTAGCGGAACATCGGTGCAAGCACGGCGGTTTTGATGCCTTTCCTCTGCAA TGCCAGTGCCTGATTTTGAAAAAATCCCGTCCACATCCTGTTCGGATTGCGGATACCAT GAGGGGATGACGAGGACGTGCAAGGGTTCGGGCATAGTGGGATTCCGTATCGGAAAGGCG GTTATTATAAGACAGACGCAGACCGAATATTTAAATTGTTGCCTTACGCTAATGCAATTT GGCGCGCGGTGTTTAGATTGGCAGTTTTATCGGTAAGGAGGCGGATATGTTGCGTCTT GTTTTGGCGGCTTCGCTGTCGGCGGTATCTTTTCCGGCAGCGGCTGAAGCATTGAATTAC AATATTGTCGAATTTCCGAATCGGCGGGTGTCGAGGTGGCTCAGGATACAATGTCCGCA CGTTTCCAAGTGACGGCGGAAGGACGGGACAAAAATGCCGTCAATGCTGAGTTTGTTAAA AAATTCAACAAGTTCATCAGAAAATCGAAAAATGGTAGCTTTAAAACCGAATTGGTATCG CGCAGTGCGATGCCGCGCTATCAATATACCAACGGCAGACGCATTCAAACAGGCTGGGAG GAGCGTGCGGAATTTAAGGTCGAAGGTAGAGATTTTGATGAGTTAAACCGTTTTATTGCC GATATTCAAGCAGATGCCGCGTTGGAATATACGGATTTCCATGTGTCGCGCGAACGCCGC AACGAGGTCATCGATCAGGTCAGCAAGGATGCCGTTTTGCGTTTCAAGGCGCGTGCCGAA AAGTTGGCGGCGTTTTGGGTGCGTCCGGTTATAAAATCGTCAAATTGAATTTGGGACAC ATCGGCAGCCATATCGCGGGAGGGGGGGCTGCTCAGGCAAAAATGCTTCGTGCCATGCCG ATGGCGGCAAGCGTCAATATGGAGGGTGCGGATTCCGCCGCGCCTGGTGTGGAGGAAATC AGCATCAGCGTCAATGGGACGGTTCAGTTCTGATTTGAGGTGAACGGCAAATGCCGTCTG **AAACCCGACGATAAGGGTTCAGACGCCATTTATATTTCAGGCTTTGGGCAGGGTAACGCC** GGTTTGCCCCATATATTTGCCGTTGCGGTCTTTGTATGAGGTTTCGCAGATTTCGTCGCT CTCGAAGAAGAGGACTTGCGCCACGCCTTCGCCTGCGTAGATTTTGGCGGGCAGGGGGGT GGTGTTGGAAAATTCGAGGGTAACGTAGCCTTCCCATTCCGGTTCGAACGGGGTAACGTT GACGATAATGCCGCAGCGGGCGTAGGTGGATTTGCCCAAGCAGACGGTCAGGACGTTGCG CGGGATGCGGAAATATTCGACCGTGCGCGCCAGTGCGAAGGAATTGGGCGGGATGATGCA GCAGTCGTCTTCAACGGTAACGAAGTTTTTCGGGTCGAAGTTTTTGGGATCGACGATGGT GCTGTTGATGTTGGTGAAGATTTTAAATTCGTTTGCGCAGCGGATGTCGTAGCCGTAGCT GGACGTACCGTAGGAGATGATGCGTTTGCCGTCGGCTTCTTTGATTTGGTTCGGCTCGAA AGGGTCGATCATGCCGAATTCTTCGCTCATTCGGCGTATCCATTTGTCGGACTTGATGCT CATAATGTTTTCCTTGTTTCTTGCAGTGTTCGGACAAAGCATTGGGGGATGCCGTCTGAA AACGGGGCTTATTTGTTTTTGGGCAGTTTCACTTCTTTAATCATGCCGTTTTCGCATTTC ATAATGAAGAGGGTTTCGCCGTTTTGCGAGACGGTAAATCTGCCGTGTGCCAAGCCTTTT TTGAACGTGCCCGAGAGTACCATGTTGCGGAATTTGGTACTGTCGGAATTGAACGGTTCG ATAAATATTTCGCGGTTGGCGGCAACGGTATAAACGCCTTGCCCGTCGAATTTGCCGTTT TTAAACGAACCGGTATAGTTGCGCCCGTCTTGGCAGCGCCATGTGCCTTTGCCGGCGGGT TTACCGTCTTTGCCGACATTGCCGTCGTAGGTGCAGCCTGGTTCTTGATAGGAAGTCAGG ACGGCGGCCGAAGTGGGGAGGGCGAACATCATGGCGGGCAGTAGGAATGCGAGATGTTTA AGCATAAGGGTTATTCCATTGGATTTTGGTTGACGGTATTTTGTCGTGAAAAAGCCGTCT GAAAAATCAATCTTGCCAGCCGCCCAAATAGGAAACCAGTTCTTCCAACATGGTGCTGAC GGATTCCGCCATCAGAATTTGCGAGGCGAAGGCAAGGCCGGCGGCATCGTCGCCGTTGCT TTCGGCTTCTTCCTGCAATACGTCGAGGTATTGGATGCGCTTGAGTGTGAAGTCTTGAGT GAGGATAAAGGCAATTTGTTCGCGCCACACCAAGCCCAGTTGGGTAACGGTTTTACCGTT TTTGACGTGTTGAACCACTTCGTCGGCGGTTAAATCTTGTTTGGATACTTTGACGACGGG AACAATATCGCCCGTACCTTTGAGTTCGCAATCGCTGTCTAATTCAAAACCGCCTTCGCA ATGCCCTTGCAACAGCCAGCCGGTCATCAAGGAAGAGGGCGATTGCTTGGTATTCGGCAG CGAGGCTTCCAAACCGCCCAAAGCTTCGCGCAGCTTGGTCAGGATGTTTTCTGCTTTGGC GGAAGCCGCGTTATTGACGAGCAGGTAGCCGTGGCGGGTGTTAAACACCGCTTCTGTACG _ GCTGCTGCGGGTAAACGCTCGGGGCAGCAGGTCGTCTGTAATTTGCTCTTTAAGCTCTTG TTTTTCTTTACGGCCGACATTGCGGGCTTCATTGTTTTGGATTTCCGCTACCTTCTCTTC

CAAAATATCGCGGATGACGCCGGCAGGCAGGACTTTTTCTTCTTTTTTCAGGGCGACGCG CAAGGTAAAGTCGGCAGGGAAAACGAGTTCAGGGGAGAATGAAACCGGTGCGGTAAAGCC TTCGCTGAACCAGTCTAAGCCTTGGCAATGGGTAAATTCAGCTTCAGCAAGTTTGTCGGC AAGTACGTCTGCCTCAGGCAGCTTTTCTTTGTTGAGCGGATAAAAACTAATCTGCTTGAA CCACATAATGTTTCCTATTGTTTGAAATGTCGGGAATTATTTGCTGAATTGTTTTTCAC ACTGACTTTGGTTTTCTTCTTGAAGCGGTTTTTCTCTTTCGGCCTTCGCGTTTCTC AATACGGTTGCTCAGGCTGACGCGGCGCGCGGTTTTTTCTTCGGTTTGTCTTCCGCATT TTCATACGGGTTTTCCGAAACATTGTATTGAATTCTGAGCGGCGTGCCTTGCAGATTGAA GGCTTTGCGGAACGTTTGGGTCAGATAGCGCGTATAGCTGTCGGAAATCGCGTGCAGCGA **ATTGCCGTGTACCACAATTACGGGAGGGTTCATGCCGCCTTGGTGGGCATAACGCATTTT** CGGACGCACCAAGCCGGCACGCGGCGGTTGCTGACGCTCGATCGCGCTTTGTAATACGCG CGTGATTTTCGGCGTCGGCATCTTAATCATCGCCGCGTTGTAGGCAGCCTGAATGCTGTC AAACAAACCGTCTATACCGCGCTCTTTCAATGCGGAAATAAAGTGGAACTTGGCAAAATC GAGGAAATACAGTTTGCGGTTGATATCGCGTTTCACTTGCTCGCGACGTTCTTCGCTGAT AATCGTCGCATCTTGGTCGGCGATGTCCTGCTGCGCGTCCAATACCAAAACAGCGACGTT TGCCGCTTCAACCGCCTGCATCGCTTTGATAACGGAGAATTTTTCCACTGCTTCATCCAC TTTGCCGCGACGCGCACACCTGCGGTATCGATGATGGTAAACGGTTTGCCTTCGCGCTC GAAATCGATATGGATACTGTCGCGCGTCGTACCTGCCATATCGAAGGTGATGACGCGCTC TTCGCCGAGAATGGCGTTAACCAGCGTAGATTTGCCGACGTTTGGACGACCGATAACGGC AAAAACAGGATGTCTTGCATCGGCTTCTTCGGCTTCCGGCTCGGGGAATTTTTCCAAAAT ATCTTCAATCAGATAATACACACCATCGCCGTGTGCACCTGAAATAACATAAGGGTCGCC CAAAGCAAGTTCGTAGAACTCGGCGGCAAGTACAGCCCTATTGCCCCCCCTCGCCTTATT CACGGCCAAATAAACAGGGCGCGGACTTTGGCGCAAACGGTCGGCAATAATCTTGTCTTG CGGTGTTAAACCGGTACGGCCGTCCACCAAAAACACAACTGCATCAGCTTCATCGACAGC CTGTAAGGTTTGTTTTGCCATTTCGTGCAAAATGCCGCTGTCCACAACCGGCTCGAAACC GCCGGTATCGATGACCAAATAAGGTTTGCTGCCGACTTTGCCGTGTCCGTAATGGCGGTC GCGCGTCAGACCGGGCAGGTCATGCACGAGCGCGTCTTTGGTGCGCGTCAAACGGTTGAA GTCTTTCTGTGTCAAGTGCCGTTCGGGAGAACTGAACACGAGCAGGTGTCCGTTGGACAC GGCGGATGGGTTTTACGGGAATTGCCGTAGGATAGTGTTGTCTGAAATGCCGTCTGAAGA GAGGGTGGCATTTCAGACGCATTTATTTCAGCGAATCAAGTTTCATTTGAACCAATTCG CGACCGACAGAATCTTGAGGCATTTTTTCTAAAGCCTGTCCGTAGTTTTTTAAGGCTTCC TGGCTTTTTCCCTGTGCGGCATAGACATCGCCTTTGGTTTCCATCAGCAGGGGGGGCGAAG AACACCCATTTCAAATGGCCTTCGGCAACATCGTAACGCTGCGCGTCAAATTCGGTTGCC GCCGCCATCAGTGTGGCTTGGGCGGCGGAAATGGAATGCGGGTAGCTTTGTTGGAGTTTG GTCAATTCGGCATTGATTTCGCTTTGCGGGGCTTTGCTTTGCGCCTTTTCTACGATGTTT GCCAGCACCGCCGCCTTCCTGATTTTGGGAAACTTTACGGTTTTGGTAAACCGTGTAT CCCAAGTAGCCGAGTGCCGCCAAAATCAGCAAGGCAAACAGCCATTTGCCCGTGGTTTTC CAAAAATATTTAAAGTTGTCTAACTCTTGTTGTTCTTCGAGATGGGCTGCCATTTATGCG TTCTTCCATTGTTGTAAAGTAGGGGTTAAATCCTCGGCGGCGACAGTTTGCTGACCGTGT GCGCCGTTCATGTCTTTGAGCGTAACCGTACCGTTCGCCAGTTCGTCTTGCGCGACAATC AGGGCAAAGCGTGCGCCTGTTGTCGGCTTTTTTCATTTGCGCTTTCAGGCTTTGATAG CCGGAATGCTGCATTACATTGAAACCTTGCGCGCGCAAGGCTTGTGCGTATTTCATCACC TGCAAGTCCGCCCTTCGCCTTGGTGCATTGCATAGACATCAGGCGCAGCGTTCACTTCC AGAGAGCCGTATTCGCTCACCAAAAGCAGCAGCCGCTCGATACCCATTGCAAAGCCGATA GACGGCGCAGGTTTGCCGCCGAGTTCTTCAATCAAGCCATCGTAACGGCCGCCGCCGCAC ACAGTCGCCTGCGCGCGAGTTTGTCGGTCGTCCACTCAAAAACCGTCTGATTGTAATAA TCCAAACCGCGAACCAAGCGCGGATTTTCAATATATTGGATACCCAAACCATCCAACATC GCCTTGAAGCGTACATAGTGGTTTTGCGAATCCTCGCCCAAGTAATCCACCAAACGCGGC GCCGCGTTGCAGATTTCCTGCAAATCTGGGTTTTTCGTATCCAAAACGCGCAAAGGATTG GTTTTCAGACGGCGTTTGCTGTCTTCATCCAATTTATCTTCATAACGGGTCAGATATTCA ACCAATGCCGCACGGTGTGCCGCGCGTTCCTCACGGTTGCCCAAGCTGTTGATTTCCAAA GTCAGGTATTCGCGGATACCCAATTTTTCCCATAAGTCGGCAGACATCGCGATGATTTCC GCATCAATATCCGGCCCTTCAAAACCCAAAGCCTCGATACCGACCTGATGGAACTGACGA TAACGGCCTTTTTGCGGACGCTCGCGGGGGGAACATCGGCCCCATATACCACAGCTTTTGC GGACGCAAGCTCAAACTCAAAGAATCGTTTGAATCGGAGAAGGTGTACATTTCCTTGCCG GTACGGATTTGCTGATAACCGTAAGCGCGTGTCCAGCGGCCGACCGTATCTTCAAACGCC TGCCAAAACGCAGCCGTCAGTTTGAAATCTTTTTGCTTGACAGGCAGAAGGTCGTTCATG CCTTTGACGGATTGGATTTTTTGTGCCATTTCAAGTAAGAATGCTTAAATCAAATTGCGG GCGATTATAGCGGATTTTAAAGGGTTTGTGAGGTTGGAGGTGGTTTGCGGACGGCATTTG ACTTACTCTGCACGTGCTTGCCTGATTTGTCCGACTGTAAACTCCGTCTGCCGTTTTGGG TGTTGTGTGAAAAACAATTTATTTGAAATTGTCTCGGCTTTTTTCGGTATGACAGCCAAA ATCTTACCTGCCAAATTTCCCTCACGGGTTTGCCAAGCATCCAAAAACTGCGCCCTGCTC ATTGAAACATGCCCCAGCGACGGGTCGGCAAGCAAAACCGTATTGCCGTCTATACCGCGC AATACCGAAAAATGGTCGTCTTTGCGGTATTTCAGATACACGATGACGGGGATTTTCAAC TGCGCGAGCTGCTCGAAAGACAGGGCATAGCCCTTCGCCTCAAAACCCAAATCAGGCATA ATGCGCCGCATATCCTCAAACGACGCGCGCATCTGCTCCTTATCCAGCTTTTTCAACACT TCTTCTTCCGTCAGCGTTTGCCCGTAAAAATTGTTCAAAAGCGTCGCCACCGAAGCCGCC CCACAGGAAAAATCCAAATCCTGCTTTACAATATTGAAATCCCGCCGCGCTTTCCAACTC TGCACTTTGATTTTTCCGTAAACAACAGGATTATCGTTAAACATCGGTGCAGCATTCAAA

CGATAAGATAAAGAAACGACAACACGCCAACAGAAAAACATATTTGAACTTCATCATA TTGTCCACATAAAGGGCAGCCTGAAAATCTTTCAGGCTGCCCTTGTCAAATTATTCCTAG CTTTCGGCTTTTTTGGCAAACCAAACAATCCGATTACCCGCATAATACTTTCCATTTATT GARATCCGACAAGCCGCGCCCAAAAAATGCCATGCACTGTCGATTTCCGCAGCAATCTTT GTACCGTTTTCTTCAAATTCCAAATATTCACCCAATAATAAACTTGAAACAGAACGCGTG **ATGCATCAGGAACAAAATTATAATCTGCCACCTGACTCACACCGCTTTTAAAGTAAGGGG** CATCAAAATCAAAACCGCAAAAAAAAATAATTTTTGCATTGATTTTTAATAGATTTAAAAAT TCGAATATAGTGTTTCTCTAGATTTAAAAAGTTTATCTTTATCTATATATTTGATGCTTT CCCTATCCAAAATAATATTTCAAACATTAAAAAATCATTACATGACCAAGCCAAATCAT **AAATTTGATTCAAATGGGTATCATAAAGATAAAAATAATAAGGTTTGGGAACAGGTAAAA** TATTTAATGGAAAAGGAGGACTAATTTTCTTAATATCTGATGACTGATATCCATATCTTT CTATATTCTTAAAAATTTCATCTTTCTTAAGATAACAAGACATTCTGACAATCACAACCT GTTCATCGGATATATTATCTATTTGCATGGCGCGTATAACACGCCATGCCTGATTAAAAT TAGTCTCCCTTACCTTAAAATCTATTATCTTTTCCAAAGATGAAAATGCCCCTTATCTTG **AACTCTCCAGTTAGAACCTGGAAGTTTCGTACCTCTTAAATGTGTATTAATATTTCTTAT** AGTTTCATTAAAATGCCACGCGCTGCCGATTTCAACGGTAATTTTCGTACCGCTTTCTTC AAATTCCAGGTATTCCCCCATTAGCTAACGCAAAGAAGCAGACGCCATTTCGGCTTCGTT ATGATAAACCCGCCTTCCGTTGATATAGACTTCCGCCCCTGTCCGCTCCAAATTCCAAAA ATTCCGTACTGAAATTTCCATATCCCGATATTGTGCAGACCATGTTTTTTCGAAGGTTTT CATAAAATTTCCTATACCTGTCCAATCGGCACATATCAATTGCATTATTACATCTCAATA CGATAAATATTTCTTAAGTCAAAATGCAAGCCTGACCGTACCTTAACTGTCAAAATTTTA TTATTTTTTTTTGATTTTAAAACAATTTCTGTAAAATTCTCTTCGCTTTCTCTCTTTTTT AGAAGCACATAAGAAAAAATAAAACTTCCCCGATTAAATTCATAAATATGTTTCAACCAT TCGCCTCCTCTTTCTGTAAGACAAGATTCAGTTTCATTCTTCCTTATTGTATAAATATTT CCTTCACAAAATCTGAAATAAATCCATAAATCCATCTTATCCATAATTAAAGAAAAAGTT TCACCTCGAGATTTTGTCAACAATTCGCAAGGTTGCGATGTTGCAATCAAATAGCCGAAA GACATTTTTTACCTCATACATGGTCGAAATCAGTTTCTGTTAGTTCAGAATCCATTTTTT CGTCAACAACTGAATCCGCATTTTTGAATTAACGTTTTCATCAGCTGCCGTTTATCTAAA CCGGCAGGTTCAGTTTCAAAATAAGCCTTATATGAAGACTGTAAGCATTTCAGAAAAAGA TCATCAGAAGACATATCTGCCGAATCAAATACAACTGTTTTGATTTTGGTACTTACCCAA AACCCTTTTTGCTCTTTTTCTACTATACGGAAATTCAGAATATTTCCAACCGAATCAAAA GCACGGTAAACATCATCCATCAAATCCTGCGGCTCTATTTTCTTTTCCAATTCCGACAAT CCTTGAAATATATCCAAAGACACATCTTCAAATAGAAAAAAAGGAGGAGTTAGAAGCGGT TTTTCCATGATCTGTCCGTAGATTTTGATTCCCAAGGGCGATGACGACCAATTCCCTGTC CAGGCAAAGTCTTGCCCGTATTATCCGTAACTCGACGATGATAATGGGGAAATTTTCCAA TAGGATGACCTGTTCTATTACCGAAAGGGGCTATCCGCATATTATTGCCGATTTTAATCT CACGTCCATATTTAGCAAAGGAAACAACCTTTCCTGCGGCGCCTACACCACCAGGAATTG CGCCTAATCCGCCAGCAATAGCAACATCTCTAACAGAAGCTGGTCTGCCTGTCGTTGCAT **AACTAAAACCATGCTGTGTCCACATACCAATGGCAGCACCACCCAAGATAGCCAATGGAA** GAAACGCCCCCTCTGTCTCCTTCATCTCCTTTTGAGAAAGCTCCGCCAACTGCATCGGTG CATCTGCCCGCGTGTGGAACACTTGGTCTTCAAATGCCTGATTGTCCAAGCCGTTTGCCA TTGCGGGGGCAATCATAGACAGCATCATTACGGCTGCGGTGATTTGTTTTTCATAATAA CTCCTTTGGATTACAAGGTTGGAAAATCAAAGCCCTGCTTAGAACGTATGTTGCACACCC AATTTCAATAGGTAAATCAGATTGCAAATCCAGCAATTTGAATATTGTCATTGTTCCGTG CAAAAGGGATTTTTATTGATGAGTTGTGTACTGGGTTTCAGCTTGGCTTTTTAGATAATC TTATTTTAGGAATATCTCTTATCCATGCTAAAATACAGCCCAATGTCGAAAAGAAAATAA AGTTGGTTTATTTATTTATTTAACGGCGAATGTCAGTGTTCTTACCCGTAGAACCTGCATA ACCATTTATGCCACCAGCAACAGTCCCCACTGCTACACCTCGCATACCATTAATCAGAAT TCTTCCTATTTTTCGAATCCACTATTTCTTCCAAAGATGCAGCAAACGCAGGTTGAGCC TAGACCCAATCTACGTTTGCTGCCGCATCTGATCCCTATTGTTTCTTATCCTTACATCTT CCTGCCTTGTCAATCAAATAAAGACAGAAGACTATACAAAAACTGACCGACATACTGAAA ATACCTATCCCCTTCCATGCAATCTCCGCACCATTGACCCAATAGATTAGACTGAGAAAC AACAAAGCCACAGTATAAATCAACGTAAAAAATATTGCGTAAAGCACAATAAAGGGAACT TTTATCTCACGGTTGTTTTTTATAATATATCAGCAACTTGATTTCCGAATATACCTGAT **AAAAAATATAGTATTAGATCATCCATTTCGTTTATCTTCTATGTTTTCCCATTGCGGCGC** TAGAAGACTGATTTAATGCTGCACCATTTGCACGAATAACTGCATTAGGAATAGCATTTC CCCCTTTCCAAGCAGAACGGGCAAAAACACTAGTAGTAATCCCTGCACCGCGCAACATCG CACTGCTATATCCGCCGCCTATCATACCACCAGCGGTTGCAGCCAAGGTACTTCTTGTTG AAGCAAATTGCCCTGTTTTAATTTTAGAAATGCCGTGATTAGCCCAAGCACTAATTGCCC CTCCCATCAAAGCACCTGCCACAATAGGAAGAAACGCCCCCTCAGTCTCCTTCATCTCCT CAAATGCCTGATTGTCCAATCCGTTTGCCATTGCGGGGGCAATCATAGACAGCATCATTA CGGCTGCGGTAATTTGTTTTTCATAATAACTCCTTTGGATTACAAGGTTGGAAAATCAA **AACCTGCTTAAAATGTATGCTGTACGCCAAATTTCAGTTCGGAACTGCTTTGCCCTGAAA** CGTTGAAACGTGCGGATGCGTTTAAAGCCGTGGTTTTGGTGAAACCGAAACCTGCGCCGA AATGGGCGTAGGTGGATGTTTTCTGGAGGATTCCCGTTTGCCGTCCGGTCGGGCT GCCTGCCCAGCCATTGGATGCCTCCGGTCAGGCTGATTCTGTCGTTGGCAGCAAATGAGA TGTTGGGGTTGAGCAGCAGGTAGTTGCCCGATTTGTAGCGGATGCCGTCTGAAAGGGTTT TGCTGCCGTTGATGCGGTAGGCGGCGGTGAGGGAAAGGACAATCGGATCTATGGCTTTGT AGGTGGTGGCCCGATGAGCCAGGATTTTCCCGACGAGGCTTTGTTGCGCGATTTTTCGT

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TTGTTTTGCCGTGCGCGCGTATAATCGGCGCGTTTTGTCGGGCAGGAAGCCCGAAGG

ATAAGGATTACCGTTATGCAAATCATACATACCATTCGAGAACTGCGCGCGTGGCGTAAA AATGCGGGAAAGGTGGCATTTGTGCCGACCATGGGCAATCTGCATGAAGGACATCTTGCG CTTGTGCGTGAGGCGAAAAAACGCGCGGACAGTGTCGTGGTCAGCATTTTCGTCAATCGC CTGCAATTCGGTCAGGGCGAGGATTTCGACAAATATCCGCGCACTTTGCAACAGGATGCG CCGAACGTGGAACAGCGTTACAACGTCGAACCGCCCAATCTGCAAAATGAGTTGTGCGGC AAATTCCGCCCGGGGCATTTTCGCGGTGTGGCAACGGTTGTTTCTAAATTGTTCCACATC GTTTCCCCGGACATTGCCTGTTTTGGTAAGAAGGATTACCAGCAGCTTGCCGTGATTAAA GGTTTTGTCGAAGATTTGAATTTTGATGTTGAAATAGTGCCTGTTGATACAGGGCGCGCG GAAGACGGGTTGGCACTGTCGAGCCGCAACCAGTATTTGAGTGCGGCGGAACGCGACGAA GCACCGCGCCTGTACCGCGAATTAAAGGCTGTTGCCGAATCCTTGGTGCAGGGCAGTTTG GATTATGCAGGTTTGGAAAAACGTGCCGTCCAATCCCTGACAGAATACGGCTGGGTGGTC GATTATGTCGAAATCCGCCGCGCGGATACGCTCGAAGTGGCGCGGGGGGGAGATAAGAAA CTGGTGGTCTTGGCCGCCGCCTGTCTGGGGACGACGCGCCTGATTGACAATTTGGAAATA AAACTCCCTTAAACCGCAAGCGTCGGGAATGCCGTCTGAAGCGGATTTGCGTTTCAGACG GCATTTATTTTTGAACGGGGTTTCGCAAATCTACAAACGATTCTGCTTGTGATAAAGTT ACGCCTGATTATATGCCGTCTGAAGGTTCGGACGGCTGTCGGATAAAGGATGATTATGTT ACCTAACCGTTTCAAAATGTTAACTGTGTTGACGGCAACCTTGATTGCCGGACAGGTATC GGGCGAGCGGGTTAATCAGATATTTACGTTGCTGGGAGGGGAAACCGCCTTGCAAAAGGG GCAGGCGGGAACGCTCTGGCAACCTATATGCTGATGTTGGAACGCACAAAATCCCCCGA AGTCGCCGAACGCGCCTTGGAAATGGCCGTGTCGCTGAACGCGTTTGAACAGGCGGAAAT GCTGGCTCAGGCGGACGAAGGACAGAACCGCAGGGTGTTTTTATTGTTGGCACAAGCCGC ATATGAACATCTGCCCGAAGCGGCGGTTGCCGATGTGGTGTTCAGCGTACAGGGACGCGA AAAGGAAAAGGCAATCGGAGCTTTGCAGCGTTTGGCGAAGCTCGATACGGAAATATTGCC CCCCACTTTAATGACGTTGCGTCTGACTGCACGCAAATATCCCGAAATACTCGACGGCTT TTTCGAGCAGACAGACACCCAAAACCTTTCGGCCGTCTGGCAGGAAATGGAAATTATGAA TCTGGTTTCCCTGCACAGGCTGGATGATGCCTATGCGCGTTTGAACGTGCTGTTGGAACG CARTCCGAATGCAGACCTGTATATTCAGGCAGCGATATTGGCGGCAAACCGAAAAGAAGG TGCTTCCGTTATCGACGGCTACGCCGAAAAGGCATACGGCAGGGGGACGGAGGAACAGCG GAGCAGGGCGCCTAACGGCGGCGATGATGTATGCCGACCGCAGGGATTACGCCAAAGT CAGGCAGTGGCTGAAAAAAGTATCCGCGCCGGAATACCTGTTCGACAAAGGTGTGCTGGC GGCTGCGGCGGCTGTCGAGTTGGACGGCGGCAGGGCGGCTTTGCGGCAGATCGGCAGGGT GCGGAAACTTCCCGAACAGCAGGGGCGGTATTTTACGGCAGACAATTTGTCCAAAATACA GATGCTCGCCCTGTCGAAGCTGCCCGATAAACGGGAGGCTTTGAGGGGGTTGGACAAGAT TATCGAAAAACCGCCTGCCGGCAGTAATACAGAGTTACAGGCAGAGGCATTGGTACAGCG GTCAGTTGTTTACGATCGGCTTGGCAAGCGGAAAAAAATGATTTCAGATCTTGAAAGGGC GTTCAGGCTTGCACCCGATAACGCTCAGATTATGAATAATCTGGGCTACAGCCTGCTGAC CGATTCCAAACGTTTGGACGAAGGTTTCGCCCTGCTTCAGACGGCATACCAAATCAACCC GGACGATACCGCTGTCAACGACAGCATAGGCTGGGCGTATTACCTGAAAGGCGACGCGGA AAGCGCGCTGCCGTATCTGCGGTATTCGTTTGAAAACGACCCCGAGCCCGAAGTTGCCGC CCATTTGGGCGAAGTGTTGTGGGCATTGGGCGAACGCGATCAGGCGGTTGACGTATGGAC GCAGGCGCACACCTTACGGGAGACAAGAAAATATGGCGGGAAACGCTCAAACGTCACGG CATCGCATTGCCCCAACCTTCCCGAAAACCTCGGAAATAATGCAGGTCCATCCTTTCAGA CGGCATAAGGTTTGCCGGGAAGCCGGGGCATTCGGGCAAACGGCACGCAGTTCGCACGCG TTTTGCACGGCACGCCGAACCCATCGGCCGGCAGGATGGCATCCGTTAAGGAAATTCTGA TGAAACACACCGTATCCGCATCGGTCATCCTGCTTTTGACCGCTTGCGCGCAATTACCTC AAAATAACGAAAACCTGTGGCAGCCGTCCGAACACATCAGCAGTTTTGCAGCAGAAGGGC GGTTGGCAGTGAAAGCGGAAGGGAAAGGTTCGTATGCAAATTTCGATTGGACATACCAAC CGCCGTGGAAACCATCAATATCAATACCCCTTTGGGCAGTACGCTCGGGCAGTTGTGTC AAGACAGGGACGGCGCATTGGCAGTGGACGGCAAAGGAAATGTCTATCAGGCGGAAAGTG CGGAAGAATTGAGCAGGCAGCTGGTCGGTTTCAAACTGCCAATCCAATATCTGCATATCT GGGCAGATGGCAGGCGTGTGGCGGGCGCGCCTTACCGCATCCTGCCGGACGGCATATTGG AACAATACGGTTGGACTGTCGGCAGAACCGCCGACAGTGGGGGGCAAGTCCGAACGTTGC **AACTGAATAACGGAAATTTGAACATCAGGCTGGTTTTCACCGAAATCGGTATGCCGTCTG** AAACCGAAACCCCGGAACGCTGTGCGGCGCGCACGAGATAAGGCGGACAGATGAATATTG CGGACGGACGCCAGCGTTTTCCGCACCTGCAAAACTGAATCTCGATTTGAGGATTACCG GCAGGCGGGAAGACGGTTATCACAATATCGAAAGCATATTCTGCCTGATAGATTTGCAGG ATACCGTATATTTGAAACCGAGGGACGACGCAAAATCATCCTGCACAATCCGGTTGATG GCATGCCGCAGGAAGTAGATTTGAGCTACCGTGCCGCATCGTTGCTGCAAAAATATGCGC GCAACCCCGCCGGCGTGGAAATATGGCTGGACAAAAAAATCCCGACAGGGGCGGGTTTGG GCGGCGGAAGCTCGGATGCGGCAACCGTTTTGCTGGTGTTGAACCGTTGGTGGCAGTGCG GTCTGACGCAGCGCAGCTCATTGATTCGGGCGCGGCTCTGGGGGGCGGACGTACCGTTTT TTATTTTCGGCAAAAATGCGTTTGCGCGGGGTATAGGCGACAGGCTGGACGAAATGGATA TTCCGAAACAGTGGTATGTCATCGTCAAACCGCCCGTCCACGTTTCCACTGCAAAAATTT TCACACACGAAAGCTTGACACGAAATTCCGCCTCAAGCATAATGCCGACTTTCCAAAATC TGCAACCGTTTAGAAATGATATGCAGGCAGTTGTATTTAAAGAATACCCTGAAGTTTGGA AAGCCTATTCCGAGTTGTCCCGATATGGATTTGCCTTAATGACAGGTTCCGGTGCGTGTG TATTCACGGCGTGTCAAGATAGGAATAGCGCATACAATATATACCGACAAGTTTCAGATT TGTACGAGGCATATTTGGCAGAGGGTCTTTCAAAACATCCTTTGTTGTCCGTATAAACAT TGTTGGGGAGTCGTCAAGCGGTTAAGACACTGGATTTTGATTCCAGCATGCGAAGGTTCG

AATCCTTCCTCCCAGCCAAGTCAAACGAGTTGGGGAGTCGTCAAGCGGTTAAGACACTG AGTCGTCAAGCGGTTAAGACACTGGATTTTGATTCCAGCATGCGAAGGTTCGAATCCTTC CTCCCCAGCCAAATAAAAGCGTGTAAGCCTGCTTACACGCTTTTATTTCATAGAAATAAA AATATTGAAATGCCTTTGTTTGTGTCGGATGTTGCAGGTATAATGTCGGGCTTGGTACAA GCAGAGGGAAGCATTGTGTTTTCTGAGCGGAAGTTAAACATAAAATCAGGTGAGAATATG GCTGCGTACGACAGTTTGATGGTATTTACAGGCAATGCCAATCCCGAATTGGCACAACGT GTTGTCAGGCATTTGGACATTTCTTTGGGCAATGCTTCCGTATCCAAGTTTTCAGACGGC GAAGTTGCCGTCGAACTGTTGGAAAACGTACGCGGGCGCGATGTTTTCATCCTTCAGCCG ACCTGTGCGCCGACCAATGACAACCTGATGGAAATCCTGACGATGGCGGATGCACTGAAG CGTGCTTCGGCAGGTCGTATTACCACAGCCATTCCGTATTTCGGCTATGCGCGCCAAGAC CGCCGTCCGCGTTCCGCGTTCCGATTTCTGCCAAACTGGTGGCAAATATGCTGTAT TCGGCAGGGATCGACCGTGTTTTGACTGTCGATTTGCATGCCGACCAGATTCAAGGTTTC TTCGATATTCCGGTGGACAATATTTATGCCACCCCGATTCTGTTGAACGACATCAAACAA CAGCGGATTGAAAATCTGACCGTCGTCAGCCCGGACATCGGCGGTGTCGTCCGCGCCCGC GCCGTGGCAAAATCCCTGAATGCCGACTTGGCAATCATCGACAAACGCCGCCCGAAAGCC **AATGTGGCGGAAGTCATGAACATCATCGGCGATATTCAAGGTAGAACCTGTCTGATTGTG** GACGATATGATTGACACTGCAAATACGCTGTGCAAAGCCGCCGTCGCCCTGAAAGAGCGG GGGGCTGAACGTGTTCTAGCCTATGCCAGCCACGCCGTATTCTCCGGAGAGGCGGTCAGC CGTATCGCCTCATCCGAAATCGACCAGGTGGTCGTAACCGATACCATTCCTTTGTCTGAA GCGGCTAAAAACTGCGACCGTATCCGTCAGGTAACGATTGCCGGTCTGTTGGCCGAAACC GTCCGCCGCATTAGCAATGAAGAATCCGTCTCATATCTTTTCAATGAAGAAGTGATGACA GGCAGCATGTTGCTGCCATAAGCCCGAAGCCGTCTTAAGCTGGTCGCGGCCGATGACGGC GATTTTACCTAACTTGGAGTATTTAACATGACTTATGAAATTCAAGCCTCTGTTCGTGAA GCACAAGGCACTGGTGCGAGCCGCCGCCTGCGTCGCGAAGGCCAAATCCCCGGCATTCTG TACGGTGAAGGTCAAGAGCCTGTTGCAATCGCTGTGGATCACAAAACCGTATTCTACGCA TTGGAAAAAGAATCTTTCCATACTGCGTTGATTAAGTTGTCTCTGAACGGTGAAACCAAA GACGTTATCGTCCGTGATTTCCAAATGCACCCGTTCCGCCGCGAAGTTCAACACATCGAC TTCCAAGCTGTGAAAGCCGATCAACTTGTACGCATCCGTGTTCCCCTGCACATCGTTAAC GCTGAAAATTCCCAAGCGGTCAAACTGCAAGGCGGCCGCGTATCTCTGTTAAACACTTCT GTTGAAGTAGTTGCTTTGCCTGCCAACATCCCTGCTTTCTTGGATTTGGATTGTGCTGAA GTGGTTGCCGGCGACATTCTGCACTTGTCAGACATCAAACTGCCTGAAGGTGTAGAAAGC GTTTCCCTGAAACGTAACGAAAATCTGGCTGTTGCTACCGTTACCGGTAAGAAACGCTAA TTGATTTCAGCAGCAGGGCGCGCGTATGCAATACGTACCGCCCTGTTGTTTTATGCCGT CTGAACCGTGTTTCAGACGGCATTTCTTTATTTGTTGGAAAAACGGGATATTTGAAACGG CAGATTACTGCCCTGTCAGACACGCCCAAAGCCTTTGCCACCGGCTTCTTTTTTTACAT TTTCCAGTGCGACGATTTCTTTTTCGGCAATGGTGTATCCGTTTTGTCTGATTTTGATTT TTCCTAAAATTTGCCCTTTTTTTACTGGGGCGGGAATCGGCTGTATGGTTTCTAGAATTT GTTCTGCCATTTTCGCTTCCTTATGTGGCAGAGTGATGTAGGCTTCTTTGAGGAAGCCTG CGCGGACGGTTTTTTTGCTGCCTCCGGAAATTTGGATTTGGGCAACGGTTTTGCCTTTCG GATATATTTTGGGCGTATCGAAGGCCTGCAATGCCCAGTTCAGCAGCTTGCTGTTGTCTG CGGAGTATGACACGGCAAGGTTGTAGCCGCCGCTTTCTGTGTGTCCGGCTTTCAGACCGT TTACATTGTTGTCCCTATATAAAAGGATATTGCGGTTGTTTTGTTCTATATTTTTGAATT TGAAAGATTTGATGGAAAACAGCGGGTAATATTCCGGAAAGTCGCGCATCAATGCTTCAG ACAGCAGGGCGAGGTCTTTGGCGGTGGAAACCTGTCCTTCTCTACTCAAGCCTGTCGGGT TTTTGAATACAGTGTTCTTCATGCCCAAGCGTCGGGCTTCTTTGTTCATTTGTTGCACAA AATTTTCAATCGAGCCGTTGCCCAGCCGGCCAGGGTTAGGGCGGCATCGTTTGCGG ATAGTGCAATCATGCCTTTTAAGAGTTTGTCGGTGCTGACCGTATCGCCGGGACGTACAA ACATTCTGCTTCCTGAAGCCCATGCGGATTCGGGTATTTTTAAGTTTTCTTCAGATT GGATATTGCCCGATTTCATGTTTTTGAAAACCAGATATGCGGTCATCAGTTGGGTTAGTG CCGCCGGTTCAACAGGGGTATTGATGTTTTTTGGCGGATAAAATCTGTTTGCTTTGAAGGT CGATAACGATGTGCCGCTGTGAGGGTTTCGGGTGTTTGGAACGTGGGGGCGGCGTGTA CCGTCGGTCTGTTGGGCGCGGGCGATGCAGCCGTTGCGTGAGAAACGCCTAAGATGATGG AAAGCAGGACGGCAGGATTTTATGTGCTGTCATGAAATATTCTAATTGTGTGCGTGTTT CAGTCTGCCGATTATACGCTTAGGGTGTCTGATCGGGCGGATTTTTCTTGATTTCGCGCC GTCTTGGGCGTATGGTTTTGGGTTTTGCGATTTTAATAAACCGATTATCCCATATTGAAT TATGAACACGCCCTTCCTTATTCCGATTACCTCATCCGCATCCTGACGGCATCTGTCTA TGATGTGGCGGTCGAAACGCCTTTGGAACCGGCACGCAGCCTTTCTGTACGTTTGAAAAA CAACATCCTTTTGAAACGCGAAGATTTGCAGCCGGTTTTTTCGTTCAAAATACGCGGCGC CGCGGGCAATCATGCTCAAGGCGTGGCATTGTCCGCACAGCGTTTGGGCTGCCGTGCCGT TATCGTTATGCCGGAGACTACGCCGAAAATCAAAGTGGATGCGGTTAAAAGCCATGGCGG CGAGGTGGTTTTGCGGGGCGTTTCATACAACGATGCCTACGATTATGCGATGGAGTTGGC GGAAAAAGAAGGGTTAACCTATATCGCGCCGTTTGATGATCCTGATGTGATTGCGGGACA GGGGACGGTGGGGATGGAAATTGTCAGCCAGCATCCCGATCCAATCCGCGCCGTATTCGT AGCGGGTGAAATCGTCCATTTGAAAGATGTCGGGCTGTTTTCAGACGGCACTGCGGTCAA AGTCGTCGGAAACGAAACCTTCCGCCTCTGCAAAGAACTTTTGGATGAAATCATTACAGT CGATACCGATGCGGTTTGCGGCGCGGTCAAGGATATTTTCGATGACACGCGCAGCATTAC CGAGCCGGCGGCGCTTGGCGTTGGCGGTCTGAAAGCCTATATCGCCCGAGAAGGCGC GGAAAACCAAACCCTGATTGCCGTTACCAGCGGTGCGAATATGAATTTTCACCGTTTGCG ${\tt CCACGTTTCGGAACGGAGCGAATTGGGCGAGGGCAACGAAGGTATTTTTGCCGTTACCAT.}$ CCCTGAAGAACGCGGCAGCTTCCTTAAGTTTGTCAATATATTGGGAAATAGGAATATTAC

CGAGTTCAACTACCGCTACGGAGACGATGAAAAAGCGCATATCTTTGTCGGACTTCAAGC GGCAGGCCCGCAGGATTTGGCGGTTATCGGCAGCCGGTTGGATGAGGCGGGATTGCCCAA TGTCGATTTGACCAACAATGAGATTGCCAAAATCCATATCCGCTATATGGTCGGAGGGCG GACGGACAAAGTAGAAAACGAGCGTTTGGTCAGTTTTGAGTTTCCGGAGCGTCCGGGGGC ATTGGCACGCTTTTTGAACCATATGCAGGGAGGGTGGAATATTACGCTTTTCCATTACCG CAACCACGGTGCGGATTACGGGCGGATTTTGGTCGGTATCGATGTGCCGCCGCACGATGC CGCCGCATTTGACGGTTTCTTGGAAAGTCTGGGATACAGCTATCACGAGGAAACGCAAAA TGCCGCGTACAAGCTGTTTCTTGCCTGACGCTTGAAAGCACAATGCCGTCTGAAAGCCTT TCAGACGGCATTGCGCTTTCATGGTTAAATCGAATATTCAATCAGTTCGTTTTGAGAGAA GACATAAACCTGTTTCGGAATCAGCTTCAATTCTTTGCCTTCGGCGATTGGGTAACGCGC GGCATCGCTGCCTGCCAGCGTGATATGTACGTCCTGTTTTGTCGTGTTTTACCAGAATATG CGTCAATGCGCCGACGGCGTGGATTTTTTCGATTTCGGCACAAATCATCGGTGTTTCGTG TTCGGCGGCGATCTGCCATTCGTGCGGGCGGATATAGCCGGTGGCGGTTTGTTCCTGCCA TTTGTATTGCGCGTCCAATTTCCACGCGAAGCCGTTGTAATGCCAGAAGCCTTTTTCGAT GCGTCCTTCAAAAGCGTCGGTTTCGCCGAGGAACTCGGTAACGAAGGCATTTTCGGGTTT GCGGTAAATAGCTTCGGCGCTGCCGGTTTGTTCGATTTTGCCGTGGTTCATCACGACGAT TTCGTCGGAAACTTCGAGGGCTTCTTCTTGGTCGTGCGTAACCAGAATGCTGGTTACACC CAGGTTGTGATGGATGTCGCGCAGCCAGGTGCGTAATTCTTTGCGTACTTTGGCATCCAA CGCGCCGAAGGGTTCGTCCAAAAGCAAGAGTTTGGGTTCGACCGCAAGCGCGCGGGCGAG GGCGATGCGCTGGCGTTGCCCGCCGGAGAGTTGGTGCGGATAGGATTTTGCCAAATGAGA GAGCTGCACGAGCTTGAGTAATTCTTCGACTTTGGCGCGGATTTGTCCTTTGGACGGGCG TTCGGACTTGGGCAATACGGTCAAACCGAAAGCGACGTTGTCAAACACGTTCATATGGCG GARAAGGGCGTAGTGTTGGAACACGAAGCCGACTTTGCGCTCGCGCACATGTTTGGCGGT TACGTCTTGCCCGTCAAACAGGATATTGCCGCCGTCGGCGTTTTCCAGTCCGGCGATAAT GCGTAAAAGTGTGGTTTTGCCGCAGCCGGACGGGCCGAGCAGGGAAACGAGTTTGCCGGT TTGGATGGTGATACTCATATTGCATTCCTTTCGGCGGCGGCGAGTTTTTTGTCTTGTAAT TTGGTAATGATGTTCTGCACCGCCAGCGTCGCCAGTGCCAAAAGTGCCAATACGCCGGAG AGGGCGAATGCGCCGGTGAAGTTGTATTCGTTGTAGAAGATTTCGACCAAAAGCGGGACG GTGTTGGTTTCGCCGCGTATGTGTCCCGATACCACGCTGACCGCCGCAACTCGCCCATC GCGCGGGCGTTGGTGAGGATGATGCCGTAGAGTAACGCCCATTTGATGTTGGGCAGGGTA ACGCGCCAAAACATCTGCCAGCCGCTTGCGCCGAGTATCAATGCCGCCTGTTCTTCGCTG TCGCCCTGTGCCTGCATCAGCGGGATGATTTCGCGTGCGACAAAGGGGAAGGTAACGAAC AGCGTCGCCAAAACAATACCGGGGATGGCGAAGATAATCTGTATGCCTTGCGCTTCGAGC CAGCCACCCAATGCCGTATGCGCGCCGAACAATAAGACGAACATCAAACCGGCCACCACG GGCGATACGGAAAACGGCAAATCGAGCAGGGTGGTCAGCAACTGCTTGCCGCGAAAATCA AAACGGGTCAGCAGCCACGCCATCGCCACCCCAATACGGCATTGACGGGAACGACAATC AGCGCGGTAATCAGCGTCAATTTGATGGCAGACCACGCTTCGGGATCGTTTAAGGATTTC AGGTACAAATCCCAACCGCCTTTTAAGGCTTCGTAAAACACGGCGACGAGCGGCACGACC AGCATCAGCAGCAGAAAGCCCAGCGCGGCGGCAATCAGCAACACGCGCAGCCGGCGCGGT ACCTTTTATTGATTAAGGGAATAAAAACGTCTAGCTACCGTCATTCCCGCGCAGGCGGGA ATCCACCGCAGGGCAACAGGAAAACAGAAAATAAATAAGGCAGCCGAAATTCACCAATGG ATTCCCGCCTGCGCGGAATGACGGTAACAGGTATTTCAGACGACCTCAACCCTTCGCGC CCGAACGCCTGCCCAACGCCCACTGCATCACGTTCAGCGCAAACAGAATCACAAACGAAA CCAGCAGCATAAACAACGCCACCGCCGACGCGCCCTGCACGTCGAACTGTTCCAGCTTGC CCGTAATAATCAGCGGCAGGATTTCAGAAACCATCGGAATGTTGCCCGCGATAAAAATCA CCGAACCGTATTCCCCCGTTGCCCGCGCAAACATCATTCCCGCGCCGGTCAAGAGTGCCG GTGTGATTTCAGGCAAGAGGACACGGCGAAACGTAGTCCAACGGCTTGCGCCCAAAGTTG CCGCCGCTTCCTCATATTCGCCCGACAATTCTTCCAATACCGGCTGCACGGCGCGGACGA TAAAGGGCAGGCTGACGACGACCAGCGCAATCCAAATGCCGACGGGTGTAAACGCGATTT TGATGCCCAAAGGCTCGAAAAAACGGCCTATCCAACCGTTGGGCGCATACAGGGTTGCCA ACGCGATACCCGTAACCGCCGTCGGCAGCGCAAACGGCAAATCGACCAGCGCGTTCGCCA GACCCTTGCCCGGGAATTCATAACGCACCAATACCCACGCCACCAGCGTGCCGAACACGA CATTGGTCAGCATCGCATAAAACGACATCCGCAAGCTCAGCCATACCGCCGCCAACACGT TCGGCTCGGCAATCGTGTTCCAAAAGCCGCCCCAGCCGATTTCCGCCGCCTTCGCCGCCA TCATCGCAAACGGCAAGACCACAAGCAGCACACAAGCACAATACGGTCAGACCAAGGCTGA GTTTGAAGCCGGGCAGTACGCCGGGCGTTTTGAGCGCTAACATAAAACAATGCTGAAAAT AAGGAAAAGGAAGGACTACTTTAACGATGCCGTCCGAAAAACGGAAAGAATGGAAAGTTT GGTGCAAAGACGAATTTGTTATAAAGCGGTTGGCAGTTTCTCAAGCGGGCGCGATGTTTT AAAATATAGTGGATTAACTTTAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAAT AGTACGGCAAGGCGAGCCAACGCCGTACTGGTTTAAATTTAATCCACTATAACACCTTGT TTTGACGGAAAACCATCATATAAAGGAACACTTATGCAGATTTTATCTTTTCAACCGGAC ATTGCGGAACGTATGCTGGAAGGTACGGAAGGCGAGTCGGTCAACGAAAACGCACAATTC GTCCGTACGGACAACGGCTATTGGATTGCGTGGCATGAAGGCCGTAGCGGCACTGCTTGCG CCCGATATGCCGCCGGCATTCCCTGTTTTTGGGTGGAAGGCGCGGAAAGCCTTGAAGAG TTGTGCGTCATGGTGGAACGCGGCGAGTTTGACGAAGTGGAAGAGTTTGACGGCGATGAC GACGAATGGCTCGAAACGGCACAGGGTTGCGGGCACCACGGCGACGCTTGCGCCTGCGGA CATTAAAGGCATTGCAGGCTTGCCGCAAGGGGGGCAAGGCTTTGCCGTTTTTTAAATAAT AAAACTTATCTTGGTATTATAATTAAGGCAGCATCAATTATTTTGGGATGGCAATAAACG CAAAGCATTGATTTGCGCCGATTGCAGACTTATTATAGCAGGTTGCGGCGCGGACTTAAT GATTTATATTTATTTCAATTTCAATGGAAAAACATCAATGACAATGATTTTAAGCATTTT

AAGCCTGTTTTTTATCATCAGACTGTTATTTTTAGCCGTCTCTATTAAACATGAAAAAGC CTTGATTGCCAAAGGGGCGAAACAATACGGAAAAACCAATTCCACGCTGCTTGCGGCAGT TCATACGCTTTATTATTTGGCGTGTTTTGTTTGGGTATGGCTTTCTGACACTGCTTTTAA TGGCATATCCTTGATTGGTACGCTGACGGTGATGGCTTCGTTTGTGATATTGTCATTGAT TATTAAGCAGTTGGGGGAGATTTGGACGGTTAAAATCTATATTTTACCAAATCATCAAAT TAATCGTTCGTGGTTGTTTAAAACATTCCGCCACCCCAATTATTTTTTAAACATCATACC CATTTATTTGCTGGTCTTATTTAAGCGTATCCGACAAGAAGAAGAACAGGCGATGGCAACACT TTTTTAACCCGTTTCATCAATTATAGCGGATTAACAAAAACCAGTACGGCGTTGCCTCGC CTTGCCGTACTGGTTTTTGTTAATCCGCTATATTCCGCCATCTCTAAGATTTACAGCGAT ACACGGGTAATTTAAGGAATGCCCGAACCGTCATTCCCGCCACTTTCCGTCATTCCCGCA AAAGCGGGAATCTAGGACGCAGGGTTAAGAAAACCTACATCCCGTCATTCCCGCCACTTT CCGTCATTCCCGCGAAAGCGGGAATCTAGAATCTCGGACTTTCAGATAATCTTTGAATAT TGCTGTTGTTCTAAGGTCTAGATTCCCGCCTGCGCGGGAATGACGATTCATAAGTTTCCC GAAATTCCAACATAATCGAAACCTGACAGTAACCGTAGCAACTGAACCGTCATTCCCACG AAAGTGGGAATCTAGAAATAAAAAGCAACAGGCATTTATCGGAAATAACTGAAATTCAAT ACCGCAAAAATCTACCCGAAATGATATAGCGGATTAACAAAAATCAGGACAAGGCGGCAA AACGTTTGGCGACTTCGTCCCAGTTGACGATTTCCCAAAAACCTTTCAGGTAGTTGGGAC GGCTGTTGCGGTAGTCGATGTAATAGGCGTGTTCCCACACGTCGCAGGTCAGCAGCGGCG TGTTTTCAGTGGTCAGCGGCGTAGCGGCGTTGGAAGTAGAAACCAAATCCAATCCGCCGG CAGGGGTTTTTACCAGCCACGCCCAACCGGAGCCGAAAGTACCGGCCGCGCAGGCATTGA ACGCTTCTTGGAATTTCTCGAAGCTGCCCCATTTCGCGTCGATGGCGGCGGCCAGTTCGC TTTGTGCCGCGTTGTTGAACACGCCGCCTGAAGATTTTTTCACAATCTCTTCCAAAGGCA GGTTTTCAAATTCGGTGCCTTTGATTTGATGTTCAGGTTGGTGATGTAGGTTTGATGGT GTTTGCCGTAGTGGAACTCCAAAGTCTCTTTGCTCAGATGCGGGGACAATGCGTCCAGTT CATAAGGCAGTTGCGGCAGCTTATGTTCCATTTTGTACTCCTGAATATTGTTTTAAATGT TGTATTTTGGCAGTGTTGCTGCAAATAACTCGGCAGCCCGTGTATTCTACCTGTTTTGCG GTGCGGAAACCAATTAAACCTGCTTTACGCTATAATAGAAGATTGCAATTTCGGCACGAC AGATAGGATGTACCATGAACGATTACGCAGCCATGCCGTCTGAAGACCGTGAGGTCGCCG TGGAAAATCCGGCATGGGACAGGATTGCCGATGTGGTTTCCGGTGAAGACTTCTACCGGC ATGAACACCGCCTGATTTTCCGATCCATTGCCAAATTGATTAATGAGAGCCGTCCCGCCG ATGTGATTACGGTTCAGGAAGATTTGCAGCGGAACGAAGAATTGGAAGCGGCAGGCGGAT TCGAATATCTGATTACGCTGGCGCAAAACACCCCGTCTGCCGCCAACATCCGCCGCTACG CCGAAATCGTGCGCGAGCGTTCCATTATGCGCCAACTCGCCGAAGTGGGGACGGAAATCG CCCGCAGCGCATACAATCCGCAAGGCAGGGACGCGGGGCAGCTTTTGGACGAGGCGGAAA ACAAAGTATTCCAAATCGCCGAAAGCACCGCCAAATCCAAGCAGGGCTTTTTGGAGATGC CCGATTTGCTGAAAGAAGTCGTACAGCGCATCGATATGCTCTACTCGCGCGACAATCCCG **ATGAAGTTACCGGCGTGCCGACGGGTTCATCGACCTCGACAAAAAAACCTCGGGTCTGC AACCCGGCGACCTGATTATCGTTGCCGGTCGTCCGTCTATGGGTAAGACCGCCTTTTCTA** TCAATATCGCCGAACACGTTGCCGTAGAAGGCAGGCTGCCCGTTGCTGTTTTCTCGATGG GCGTTTTGAAAACCGGCAGGCTCGAAGACGAACACTGGGGTCGCCTGAACGAAGCAGTCG TCAAACTCTCCGACGCCCCGTGTACATCGACGAGACCCCGGGTCTGACCGCGCTCGAAC TCGACTACCTGCAACTGATGGCAGGATCCGGCCGTTCCGACAACCGAGCTTCGGAGCTGG GAGAGATTTCACGTTCGCTCAAAGCGTTGGCGAAAGAATTGCAAGTCCCCATCATCGCCC TGTCGCAATTGAGCCGCACGGTCGAATCGCGTACCGACAAACGCCCCATGATGTCCGACC TTCGCGAGTCCGGCGCAATCGAGCAGGATGCCGACCTGATTATGTTCATGTACCGCGACG AATACTACAACCAGGACTCACCCATGAAAGGCCTTGCCGAATGTATCATCGGCAAACACC GCAACGGTCCCGTCGGTAAAATCTTCCTCACATGGACGGGACAATTCACCAAATTCGACA ATGCTGCCTATATTCCCGAGGAGGCAAAGATAGAGGATTAAATGGCTATATAAAAATTTA TTAGGCGAAATCAGGCAAAATCGTTTAAAATCATGCTGAGAGATTGCCCTAAAAAATAAA ACGCGGTCTTGAGGCATTTTTGCATTCAGCCCGCATATAATTGAAAATATAGTGGATTAA CAAAAATCAGGACAAGGCAACGAAGCCGCAGACCGTACAAATAGTACGGAACCGATTCAC . TTGGTGCTTGAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTAC TGGTTTGAATTTAATCCACGATACATTACCAGTTAACGTTCTATTGCTTATGTGTACACG AAAACAACAAGGTTTCACGCTAACAGAGCTGCTCATCGTGATGGTCATTGCAGCCATTAT GGCGATGATAGCCCTCCCCAATATGAGCCAATGGATTGCATCCCGCCGCATTGCCAGTCA CGCGGAGCGGATTGCCAACCTTTTGCGTTTCTCCAGGGGCGAAGCCGTCCGGCTCAATCT CCCTGTCTATATCTGTCCTGTTCAAGTTAAAAAAAGACGGTACGCCCAACAATAAATGTGA CTCCGGCAAGAAGGGGCAGGGAATGTTGGCTTTCGGCGACAAAAACGGCAATAAGGGATA TGACAATGATACGGAGGATGTTCTTCTCCGCAGTGTGGTATTGAATGATGATATCAATGA TAAGCGGATTAATTATGCCTTCAACCATATCGCTTTCGGTCAGACTCAGCCGACCACCGA CCGTGTAGTTTGGACATTCAATCAAAACGGGACGTTCGGTTATACGAAAGACCAGCATCT TACAAAACAATCCAGCTTTTTTTTTTTTCTGACGGTTATATCCAAATCGTGTTGACAGATGC GAAGGCGGTTTCTGCCGATGAAAAGAAATTCCGTTCGGCGGTGGTTTTGATTAACAGCAG GTTTCAGTTTTAAAAATGAATATGAAGAATAATGATTGCTTCCGCCTGAAAGATTCCCAG TCCGGTATGGCGCTGATAGAAGTCTTGGTTGCTATGCTCGTTCTGACCATCGGTATTTTG GCACTATTGTCTGTACAGTTGCGGACAGTCGCTTCCGTCAGGGAGGCGGAGACACAAACC ATCGTCAGCCAAATCACGCAAAACCTGATGGAGGGAATGTTGATGAATCCGACCATTGAT .-TCGGACAGCAACAAGAAAAACTATAATCTTTACATGGGAAACCATACACTATCAGCTGTG GATGGCGATTTGCGATTGATGCCATGAAAACTAAGGGGCAATTGGCAGAGGCACAATTG

GTCTGCAAGGATTCGTCGGGTAACGCGCCGACATTGTCCGGCAATGCTTTTTCTTCAAAT TGCGACAATAAGGCAAACGGGGATACTTTAATTAAAGTATTGTGGGTAAATGATTCGGCA GGGGATTCGGATATTTCCCGTACGAATCTTGAGGTGAGCGGCGACAATATCGTATATACT TATCAGGCAAGGGTCGGAGGTCGGGAATGAGACGTAAAATGCTAAACGTACCAAAAGGCA GTTATGATGGTATGAAAGGTTTTACCATTATTGAATTTTTTGGTTGCGGGCCTGCTCAGTA TGATTGTCCTGATGGCGGTCGGATCGAGTTACTTCACATCCCGGAAATTAAATGATGCGG ATGCGAGAATGGCAGGGGGTTCGGTTGTTTCAATATGTCCGAGCATCCTGCAACTGATG TTATTCCCGATACGACGCAACAAATTCTCCTTTTTCCTTAAAAAGGAACGGTATAGATA **AACTTATTCCCATAGCGGAATCTTCAAATATCAATTATCAGAATTTTTTCCAGGTTGGTA** GCGCATTGATTTTCAATACGGAATCGATGATGTTAATGCAAGCACCGCGACTACCGTCG TCAGCAGCTGTGCCGCAATATCGAAACCGGGCAAGCAAATCCCTACTTTAGAAGATGCAA AAAAAGAATTGAAGATTCCGGATCAGGATAAGGAGCAAAATGGCAATATAGCGCGTCAAA GGCATGTGGTCAATGCCTATGCGGTCGGCAGGATTGCCGATGAGGAAGGTTTGTTCCGCT TCCAATTGGATGATAAGGGCAAGTGGGGTAATCCTCAGTTGCTCGTGAAAAAGGTTAGAC ATATGAAAGTGCGGTATATCTATGTTTCCGGCTGTCCTGAAGATGACGATGCCGGCAAAG GCGTGGAGGTTTTATTGAGTAGCGGTACTGATACCAAGATTGCCGCTTCTTCAGACAATC ATATTTATGCTTACCGTATCGATGCGACAATACGCGGGGGAAATGTATGCGCAAACAGAA CACTTTGACGGGAATCCCGACTTCTGACGGACAGAGGGGGTTTGCACTGTTTATCGTGCT GATGGTGATGATCGTCGTGGCTTTTTTGGTTGTAACTGCCGCGCAGTCTTACAATACCGA GCAGCGGATCAGTGCCAACGAATCAGACAGGAAATTGGCTTTGTCTTTGGCCGAGGCGGC TTTGCGGGAAGGCGAACTTCAGGTTTTGGATTTGGAATATGATACGGACAGTAAGGTTAC ATTTAGCGAAAACTGTGGAAAAGGTCTGTGTGCCGCAGTGAATGTGCGGACAAATAATGA TAATGAAGAGGCTTTTGACAATATCGTGGTGCAAGGCAAGCCCACCGTTGAGGCGGTGAA GCGTTCTTGCCCTGCAAATTCTACCGACCTGTGCATTGACAAGAAAGGGATGGAATATAA GAAAGGCACGAGAAGCGTCAGCAAAATGCCACGTTATATTATCGAATATTTGGGCGTGAA GAACGGAGAAAATGTTTATCGGGTTACTGCCAAGGCTTGGGGTAAGAATGCCAATACCGT GGTCGTCCTTCAATCTTATGTAAGCAATAATGATGAGTAATAAAATGGAACAAAAAGGGT TTACATTGATTGAGATGATGATAGTCGTCGCGATACTCGGCATTATCAGCGTCATTGCCA TACCTTCTTATCAAAGTTATATTGAAAAAGGCTATCAGTCCCAGCTTTATACGGAGATGG TCGGTATCAACAATATTTCCAAACAGTTTATTTTGAAAAATCCCCTGGACGATAATCAGA CCATCGAGAACAAACTGGAAATATTTGTCTCAGGCTATAAGATGAATCCGAAAATTGCCA AAAAATATAGTGTTTCGGTAAAGTTTGTCGATAAGGAAAAATCAAGGGCATACAGGTTGG TCGGCGTTCCGAAGGCGGGACGGGTTATACTTTGTCGGTATGGATGAACAGCGTGGGCG ACGGATACAAATGCCGTGATGCCGCTTCTGCCCAAGCCCATTTGGAGACCTTGTCCTCAG ATGTCGGCTGTGAAGCCTTCTCTAATCGTAAAAAATAAGGTTGTTTTGCCAATACCGTCT GAAAATCAATGTTCAGACGGTATTTTTATGGGTATAGTGGATTAACAAAAATCGGGACAA GGCGACGAAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGTGCTTCAGCAC CTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATC CACTATACATCCCGTCATTCCCACGAAAGTGGGAATCTAGAAATTTAATGTTGCGGCACT AGCCAAAAAAACCGAAACCGACAGGTCTAGATTCCCGCCTGCGCGGGAATGACGAATCCA TCCGTACGGAAACCTGCACCACGTCATTCCCACGAACCTGCATCCCGTCATTCCCACGAA AGTGGGAATCTAGTTTTTTGAGTTTCAGTCATTTCCGATAAATTGCCTTAGCATTGAATG TCTAGATTCCCGCCTGCGCGGGAATGACGAACCTATCCGTACGGAAACCTGCATCCCGTC ATTCCCACGAAAGTGGGAATCTAGTTTTTTGAGTTTCAGTCATTTCCGATAAATTGCCTT AGCATTGAATGTCTAGATTCCCGCCTGCGCGGGAATGACGGATTTTAGGTTGGGGTCATT TATTGGGAAAAGCAGAAACCGCTCCGCCGTCATTCCCACGAAAGTGGGAATCTAGAAATT TAATGTTGCGGCACTAGCCAAAAAAACCGAAACCGAACGGACTAGATTCCCGCCTGCGCG GGAATGACGAATCCATCCATACGGAAACCTGCATCACGTCATTCCCACGAACCTGCATCC CGTCATTCCCACGAAAGTGGGAATCTAGTTTTTTGAGTTTCAGTCATTTCCGATAAATTG CCTTAGCATTGAATGTCTAGATTCCCGCCTGCGCGGGAATGACGGATTTTAGGTTGGGGT CATTTATTGGGAAAAGCAGAAACCGCTCCGCCGTCATTCCCAGGAAAGTGGGAATCTAGA AATTTAATGTTGCGGCACTAGCCAAAAAAACCGAAACCGAACGGACTAGATTCCCGCCTG CGCGGGAATGACGGATTTTAGGTTGGGGTCATTTATTGGAAAAAGCAGAAACCGCTCCGC CGTCATTCCCACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTCCCGATAAATTG CCTTAGCATTGAATGTCTAGATTCCCGCCTGCGCGGGAATGACGAACCTATCCGTACGGA AACCTGCACCGCGTCATTCCCACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTT TCAATAAATTGCCTTAGTATTGAATGTCTAGATTCCCGCCTGCGCGGGAATGACGAATCC ATCCATACGGAAACCTGCACCACGTCATTCCCACGAAAGTGGGAATCCAGTTTTTTGAGT TTCAGTCATTTTCAATAAATTGCCTTAGCATTGAATGTCTAGATTCCCGCCTGCGCGGGA ATGACGGATTTTAGTTTGGGGGGCATTTATTGGAAAAAGCAGAAACCGCTCCGCCGTCAT TCCCACGAAAGTGGGAATCTAGTTTTTTGAGTTTCAGTCATTCCCGATAAATTGCCTTAG CATTGAATGTCTAGATTCCCGCCTGCGCGGGAATGACGATTCATATAGTGGATTAACAAA **AATCAGGACAAGGCGGCGAAGCTGCAGACAGTACAGATAGTACGGAATCGATTCACTTGG** TGCTTCAGCACCTTAGAGAATCGTTTTCTTTGAGCTAAGGCGAGGCAACGCTGTACTGGT TTTTGTTAATCCACTATAAAAAGGCATATTGAATGCGGGCAAACCGGCTGCTTTCCGTTT TTGGATTTCGGAGAATGCCATCGCCCAGCTTTCATCACACATAAAAAACAGTGCGGGCAC GGCTTTTTTCAGCGGTATTCCTTTCAGGTGCGGGGCAAGCGCCCCCCATCAGGATATG CCGAGAATTAATCATAAAGGTTACGGTGGCGATAAGCAGTATCGGCAGAGGTTCCGCCCA CAGGTTGACCGTGGCAAACTCGGAGCCGCCGGCGAAGTTCATACTGGTCATCAACAACAT TTCCAGCCAGCTCATGCCTTTTTGTCCGCCCTGCATACCGAGTATTAATGCCCAAGGCAG .. CAGCCCAATCAGCATAGGCGAACTTTCTTTGATGCCGCGTATAAATTCGTTATGCGGGGA AGGTGTGCATAATGTTCGTCTTCATAACCGGAAGGGCGGGAATTATACACTGGCAACGGA

TTTCAAAACAAACCGATTTGCCGTGTTTCAGCGTAAACACGGCTTGTGTATAATCTCCC ATCTTTGAAACCGGCCGTATGCAGGAGCAAGACGATGAATATTGAAGTAGAAATGAAAGT ATTGGACGAACGGATGGCGGATGTTGTCCCTGTCTATGCAACGGAGGGTTCTGCAGGTTT AGATTTGCGCGCCTGTTTGGATGAGGAAGTCGTTTTGCAGCCGGGTGAAACGTTTCTTGT GCCGACGGGTTTGGCAATTTATTTGGCGAATCCCGCATATGCCGCCGTTTTGCTGCCCCG CGATTATCAAGGGGAATTGAAGGTGTCGTTATGGAACAGAAGCAGCGAACCGTTTACTGT CAAACCGTTTGAGCGTATCGCGCAGATGGTTGTCGTGCCAATCGTGCAGGCGGGCTTCAA ACGTGTCGAGGAGTTTGTCGGAAGCAGCCGGGGTGAGGGCGGCTTCGGCAGTACGGGTTC TCACTAAAAATATAGAATGCCGTCTGAAAGACACGTCAGGTTCAGACGGCATATCTTCCG TTTGCCCGACTGCGTGAAGCGATGCAGGGCATTTCCGCGCCCGAAGGTCTGGAAGCCGTC CCCCTGCACATTGGCGAACCGAAACATCCGACACCGAAAGTCATTACGGATGCGCTGACC GCCTCATTGCACGAGTTGGAAAAATATCCGCTGACGGCCGGTCTGCCTGAACTGCGTCAG GCGTGTGCAAACTGGTTAAAACGCCGTTACGATGGCTTGACAGTGGATGCGGATAATGAA ATTCTGCCGGTTTTAGGCAGTAGGGAGGCGTTGTTTTCTTTTGTTCAAACCGTGTTGAAC CCTGTTTCAGACGGCATCAAACCCGCAATTGTCAGCCCGAATCCCTTTTATCAGATTTAC GAAGGTGCGACACTTTTGGGCGGCGGTGAAATCCATTTTGCCAATTGCCCCGCGCCGTCT TTCAACCCCGATTGGCGCAGTATTTCCGAAGAGGTTTGGAAACGCACCAAACTGGTGTTC GTCTGCTCGCCCAACAACCCCAGCGGCAGCGTGCTGGATTTGGACGGCTGGAAAGAAGTT TTTGATTTACAGGATAAATATGGTTTCATTATTGCCTCGGATGAATGCTATTCCGAAATC TATTTCGACGGCAACAAACCTTTGGGCTGCCTGCAAGCCGCTGCACAGTTGGGTCGAAGC AGGCAAAAACTGCTTATGTTCACCAGTTTGTCCAAGCGTTCCAACGTTCCGGGCCTGCGT TCCGGTTTTGTCGCCGGCGATGCCGAACTGCTTAAAAACTTTCTGCTTTACAGAACCTAT CACGGCAGTGCAATGAGTATTCCCGTGCAGCGCGCAAGCATTGCCGCTTGGGATGATGAA CAGCACGTTATCGACAACCGCCGTATGTATCAGGAAAAATTTGAGCGCGTTATTCCCATT TTGCAACAGGTATTTGACGTTAAATTACCGGATGCCTCGTTTTACATCTGGTTGAAAGTC CCTGATGGCGACGATTTGGCACTTGCACGCAATTTATGGCAAAAAGCGGCTATCCAAGTA TTGCCCGGACGTTTTTTGGCGCGGGATACCGAACAGGGCAATCCCGGGGAAGGTTATGTG CGTATCGCTTTGGTTGCCGATGTCGCAACTTGTGTCAAAGCTGCGGAAACCATTGTTTCC CTATATCGGTAAAGAATAAAAAATGCCGTCTGAACTTTTGTTCAGACGGCATTTTTCAA TATTTTACGGTTGAATTTGCTATAACGGTATTTATAGTGGATTAACAAAAATCAGGACAA GGCGACGAAGCCGAAGACAGTACAGATAGTACGGCAAGGCGAGGCAACGCTGTACTGGTT TAAATTTAATCCACTATACTTCACTTTTAATCGGCTTGCCCGCAAACACGTTTAAACTTA **AAATCCCCGTGTTTGACACAATACCGAGCAGATTATGTTTTTTTGTCCTTTCCCCTGCGAA** GAACCTTAATGAAAAAGACCCTGCCCCTGTCAGCGAGTTTACCCAACCCGACCTGCTGGC AGAGTCCGACATTCTAATGCAGCAGTTGCGCGAGCTTGCGCCGCAACAGATTGCCGAACT GATGCACGTTTCCGACAAAATTGCCCTCTTAAACGCGCAGCGCAATGCAGAATGGAACAC GCCGTTTACGCCGGAAAACGCCAAACAGGCGGTCTTTATGTTCAACGGCGATGTTTACGA **AGGTATGGATGCAAACACATTGGATATTGGACAGATACGCTATCTGCAAAACCATGTCCG** CCTGCTGTCCGGTCTGTACGGTCTTCTTCGCCCGTTAGACCTGATACAGCCCTATCGTTT GGAAATGGGGACGCATTTGCCAATTTGCGCGGCAAGAATTTGTATGAGTTTTGGGGCGA CCTTGCCTCACAGGAATATTTCAAGTCCGTCAACACGAAAAACTTCGGGCGCGGCTGAT TACCCCAATATTTAAAGACGAAAAAAACGGTAAATATAAAATCATCAGTTTCTATGCCAA GCGCGCGCGTGGATTAATGGTGCGCTATGCGGCAGAACATCATATTACCGACCCTGAAAT GCTGAAAAATTTTAATTACGAAGGCTACGCATTCAATGACGCGGCTTCAAATGAAAGCGA ATGGGTTTTTATGCGTTCGGAACAAATAAAGTGAAAACAATAAATTAAGTATTTTCCGAA AAAAGTGCTTGGCAAAATGTATAAATTTCATTATTATTCCTAATCTTCAAGAAGACGGAA GCGTGGCAGAGTGGTTTAATGCAACGGTCTTGAAAACCGTCGAGGGTTGATAGCCCTCCG TGAGTTCGAATCTCACCGCTTCCGCCAATTTTTGAGCGTAAAACCAAATAAGAATGCAAT AGCCGCAAATATTGTATTTTATTTGGTTTTACTGCATTATCGGAAACGTGGCAGAGAGG CTGAATGCAGCGGACTCGAAATCCGCTGAGGGTGCAAATCCTCCGTGGGTTCGAATCCCA CCGTTTCCGCCACAAAACAAAACCGCCCTGATTCGGGGCGGTTCTTTTTTGTTCAAGTTG TATCAATTACCATATAAAAATCATCGGTTTGCCCTATCATAACGCATCAAAGCAAATCAT TTGCAATCTTGCGGCATCTTCTTATTGCATTTTTTTATGGTAATGTGTATGGTAATTTTT GGATAAATGGGAAATTACCATAATGGCGAAAATCATTACGCCGCTGTCGGCAAATCAGGT TGGGTCTACCCGACGGCGGGCGGAGTTGGAAGCTGTCGTTTGTGCAGGATGGAAGGCAG CAGACAATTTCGCTGGGGCGGTATCCTGATTTTTCGCTGGCCGATGCGCGGAATGGCGG GAGGAGGTGCGCCGAAAACGGGCGCACGGGGAAAATGTCGTCAATAAGAAGGTGCGGGCG GATTTTGCTTTTGAGAAGGTGGCGCGTGATTGGTTTGTGCGTTGGTCGAAGGGGCGGTCT GAAAAGTATGCCGGACAGGTTATGCGGAATTTTGAGCGGTGGGTTTTTCCGGCTATCGGC **AATCTTGATATTCGTCAAATCAGGACGGCGGATGTGGTCGGCTGTCTGCGTGTGATGGAG** GCGCGCGGTATCGTTGATACGTTGCGCAAAACGAAAAACAGTCTGAAGATGGTGTTTGCG TTTGCGGTCGGTTCGGGAATGATGGAAATCAACCCTGTCGCGCAAATCGGTTCGGGTGTG TTTGAACGGGCGAAAACGGGGAATATGGCAGCGTTGAGTCCGTCTGAATTGCCGCGCCTG **ATTGATTTTTTGGAGCAGCGCAATGAATTTGCGGTTTATGCGGGCAGGGTGCGTATCCAT** CCTGTAACGCGGCTTTGTATCTATTGGCTGCTGTTGACAATGACGCGGATTCAGGAGGCG GCGTTGATGGAGTGGTCGGAGTTGGACGGGAGGTTTGGCGTATCCCCGCCGAACGGAAA **AAGGAGCGGCGGGGCATGATGTGCCGCTGTCGCGGGCGATGCAGTGGGTGTTGGATCAG** GCGCGGCCTTGAATGTGAACGGCCGTTTGTGTTTGAAAGTGTGAATTTTCAAGGGCAT ...GGTTTGCGCTCGCTTGCGCGTACTTATTTGCGCGAGGTTCTGAAGGTGGATAGTATTATG CGGAAACGCAAATAAAAAACCGTTTCCGCATTTTTATTGGAAGGCTTTTTTTGCAACCGCT

TTACACAAAGGCGGTTTTTTGTGTAAGAACTGCTATAATAGCAGCCCGTCATCGTCAGGA GCGGCTAATGCCTTTAAAATTCCAACCAAGGGAACGTTCGGTTATCATGTGCGACTTTCG CGGTTATGAAGAACCGGAAATGGTCAAGAAACGCCCTGTCGTCGTCATAGCGCGAAACAG GCACAACGGCAAACTGGTAACGGTCGTACCCTTAAGCAGCACAGAACCTGTCCCTTTGGC GGACTACCACCACAAAATGAGTGGAAACCCCTTACCGGACAAGCCGCACATCCAATGTTG GGCAAAATGCGACATGACGGCAACAGTCGGATTGGCACGATTAGACCGATACAAACCCAA AGGGCGCGACCGCTGCATTCCAATAATCAGTGAAGAGGATTTTCAGGCGATTAAAACAGC CGTTGCCAAGGCATTCAAACTGTACTAGAATAAAACCGTTCCCTTAAAGGGGCTTGCAAG TGTGATGGGGCGCGGAATGCGCCCCTTGTCGTATCTGCAAACGCCTACAAATCCCCAATC AGCCTTTCAATCAAGGCTGTTTTGGACAAACCCGCCTTTGCCGCCTCCTGTTCCAGTTTG GCTATCGTTGTGTCCGCCTTAACGGGCGATTTAAGAACCGCTTTACACGAAGGCGGTTTT TTTGTATAGTCCGGTTCACGAGGTACAGAATCTTGAAAATAGTCAAGCAATGCCGTATAT TCCGACGCAAGGATTTATTTTCAACATCAGCTTAAGGGGATGACAATGGGACATATTTAT ACAGATAGCAACGCCGATATTGACTGTTATCGGCGTTTTTGTTGCCGCTTACGGCATCAT GAGGAATACAGAAAACGCCAAAAAGCGCGCTGATCATGGCCGAACGTAACAATGCCGCCC TTCAAGAAGCCATAACCATAGTAAACGGGCTGGCAAAAACAGACGGATGCATACTCGCCA CCTATACATCGGATACCCCGGACAAGAAGAAGACCGTGAAGCCATACTGACAGTTTTAA ACCAGCGCGAATTTGTCTGTGCGGGCGTATTAGGCGGAGCACTGCACGAGAAAATGTATA AAGATTTCGAATACTCCATGCTGTTACGTGACTGGGACAACCTAAGCAGCTTTATTTTTG AAATACGCCGTATCAGGAGCGCACCGACGGCCTTTCAAGAATTTGAAGCCGTAGCCCGAA **AATGGAAGAAAAAGCCTCTGAAAACCAAATAGCTTAATAGCTTAACATCCGCCGCAACAT** AGGCCGTCTGAAATTCAGACGGCCTTTCAGTTTGCCGCCTACGGTTTTTTGGGAAACCCC TTGCATGTGCAGGGGGTTTTGTTTTATATTCCTGTTCGTGGCGTCAGAAACCACACTACA GTTTCGATAGCAGGAAGTTTCTATGACCGCGTGGGCGACGAATACAAGACCCGAAAGGGG **AATAAGTCCGCCCTCCTATGTGGGTTCTTAACCGCGTGTCCGCCCATTTGGGCTAATTCT** CTTGACACATTTCCATAACTCTATATAATATTTCCCACGGTGCTTGAAAACACCTGACAA ACAGCGTATATCCAACACGATAGAGTGGAATTTTTTACGTCTATACGTATCAAATCGATT TACTCCTATGTGGGGGTGCGCCTACCCGTAAGGCTGGCGGCGCGCCTGTTTGCGTGTTTT CAACACCCCTGCGCCCAATTTGGGCATTCCTAAATCCTACATGCTGTTGAAGACCGCGAC CCTATCCGCCACATGGCGGCTTTTTTATGCTTGCAGAAAATAGAAAGATTGGATATATTA CGAAACACGAGGCGTCGAAAACCTCTACTAGAACGGCATTTACCCCGTCAGCGTGAATTT TTTACGTCCATAAGTTTTCTTGTTTGGTTGTTTGTTTCGATATATCCGAACTAGTTTCCT ATGGTCGGGAGGGTGCGGAATACAATACCCGCAAGGGGAATAACGCCGGCCTTTTCTAGT AGGTTTTCGAACCTCCCGACCACCCATTTGGGTCTTTCGAAACTAAACTAGGAAACTATC ATGAACGTATCTGTTCTCAATTTTGGTAACACCCCTGTATCTTTCCGTCAAGACGGTTTT TTAAATGCAACCGCCATTGCATCTCACTTTGGCAAGTTACCTAAAGACTACCTAAAAAGT GAACAAACTCAACAATATATCTCTGCACTTGCTGAGAATTTAAGCGTTAGGAGAAAAATC CTAACGGAAGCAAATCAAATAGTTATCGTGAAGCGTGGTGGCAGTGAGCAAGGCACATGG CTGCATCCCAAACTCGCTATTCACTTTGCCCGTTGGCTTAATCCGAAATTTGCGGTTTGG TGCGATGAGCAGATTGAAATTTTACTTAACGGCAAAATTTCAGACGGCATAAAAACAGTT ACCCCCAAACCCACCCGCGCCCTTCCGGACGGCTTGACCGGCGAACAAATCGAAGCCGTC AAAAAACTGCACAACGCCCTGACCAAATCCGCACCCAAAGAAGCGCAGGCGCGTATCGCC ATTACCCTTTGGTCTGCCGTCAAAAGCAAGTTCGGATGCAGCTACAAAGAAGTACCTGCC GAACAGTTCCCCGAAGTTTTAAGCGTGATGGGCCGCGTGGCAGTTGAAAACGGCGTGCTG TACGGCGAAGTCCTCGACCGCGAACCATTGCCCGCACCGCAACCTGCCCTGCCCATCAGC GGCAACGCCCTGTACGACCTCGCCGTTGCCGTCAGATACGGCGCGTGGGCCATCCAAATG GGCAGAGACGTTTCCCTGCCGCTGAAGCAGCTCGGCTGCAAACAGGCGGTAACGATGTGG ACGGTCTGGGCGGAAACACGCAGCCGCCTCAAAGCCGCCGCAAACGCCCTCGAAGCCTTA AACGCACACGCCGACGCGGAACACGCGGCAAAAATCCGCCCGATGCTGCCCGAAATCCGC AACCTGTCGTCGGTTTGATGCAGTAGGGAATACAAAAGCCGTCTGAATGTGAAAACGCCC TAATCGGGCGTTTTTTTATTGCTGTAACCCCAGGGCTTCCAAAACTTCGCGGGTGTCCCA CAGCAGTGTCGAGTTTGAAATGGGGCGGTTGCGGCAGGTTGCGTAGGCAATCAGTTCGCG GATGGTCGGGCGGTCTATCCTTGCGCCCAGTTCGTTGATGTTCATTTTTTTACTCTCTG TAATGACTCGGTTTCTGGAAGCGGCGTAATACGGCATCGGCGGCCGTGATGAAAAGCCAT ACCGCCAATGCCTCAGCGCCGGAAAATGACAGCGCGATGATGATTTTTAATAGGGTGTCC ATCAGGCTTTCCTTTTTTCTCTAGTTTCGTACTCATAAATGAACATCGGGAACGCCTGCC CGCTTCTGACAAGATTTAAATCCGGTATCTGATCGGTAATCAGACAAGAAAACCGCCCGT CCCCGCCGTTTCCCGTCGAACAGCAAATCACAAGGTTGCCGCCAAATGGAATCGTATCTT GATTCGTGTTCATCTTTACTGCTCCGGCAAATACGTTTTAAAAATCAAATCTTCAAGTCG GCGGTAAACCTTCCCGGTCTGCACCAATGACTCGGTTTCGGGAAGCGCGGCCAAAAGCTT CCGCATATGACCGGCAATCGCCTGTAACACAAGCTGCTCGCCGCGCGTTTTGTTGTTTT GGCAACCATCGCCGCCAGCCCGTAAACCGCCAAGTCCATCATTGCCTCCACGCTGTCGGC TTCAGCGGAATGCAAGAGATTAATCTCTATGTCATTCTTGATGTTCTCGTTTTCTTCCTG AAAGTTCATTTTTCCAGCTCCGGCACTTCCGCGTCGCCGTGTATCCATCGGTAGTCTTTC AATTCTTCGGCTTCGCGTTGTCTGATTTCGGCGTCGATTTGGGCGTTCAACCCGTCAATC TCTGCCTGTTTGTCGGCGACGGCTAAGCGCATAGCGGTCAGGCTGTTTTCAGCCTTGACT TGCACTGCGGCTTCGGATTGCGGTTGGCAGGCGTAGATGCCGGCGGCTGCGACTGCGAGT AAGGCGGTGCGGATCAAGTATTTCATTTTGATTCCTCATTATTGGGGTAACGGCTTAATA TCAGGCAGCGTTTTTGAGGTTGTCTTTTGTCAGACAGATGAGCGCCTTTCTGACGGCGGC AAAGGGGGTTTTGTACTCTGGCTCTATGCCGACAAGTAGCTCCCCGTCTGTGTTGATGAT GTCGCATCCGTAGCGTTCGGTGGGGTAGCCGTAGTCGTTTTTCCCCTGTTCTGAGGTTAC

TCGGATGTCGATGGAGTATTCTTCTGTGATGGTCATTTTGGGGTCTTTCGGATTTGGGTT GAAATAGATGTCGATTTCAGGGAAGGCTTTTTGTACGGCTTCGGAAATGTCTTTTGCCGC TTGTTCGATTACAGCATCGATTTGCTGCAATTCGTACCACAGGACGAGTGCGCCGCTGTT TTTGTCGATGCGGAATTTCAACAGGGCTTCAACAAAGTAGGATGCACCGCCTTGATGCGG GGTGAACTCGATGCCGAAACGTTCAAACATTTTGAGGTTTTTCTCTGTTTGCCCTGAGTC TTCGGATTGGAAGGTAAAGTTGATTCTGCCGTCCTGTTCACGATAGCCTTGTTTGAAGGT GGTTTTTTCGGTGTACTCGAGATTGAGCGCGAAATCCAATACTTCGGCGGCGGTCGGGTA AACGGAATTTTCGTTACCGGGATTTTTGGATACGATGTTGCGGGCATTGTTGGTCAGGAA ATGGGAAAACTCCATCTGATTCATGCGGTGCGCATTGTTGTTCAGCCAGTTGGATGCCGA ATGGCCATTGATGACGGCGGTGACATCAATACGCCCTGATTTGAAATCGGCATCAATGTA GATTTGTGTGCCGTCCTGTTTGTGTTTTTTGTACAAACTTAATAAGACTGGCGGTATCGTG CATGAGGAATTTGCCGCACTTGCGGTACGGGTTTTGCATCAATTCGGGGTGTGATTTGTA TCTCCAGCCACCGTCTTGGTCTGGTGTGAATACAAGCGGAGTATTGTTCGGTGCAAACTC AAAAAAAGGTTTTTGAGCTGCTTGTAAGGCGGTTTTAATCATGTTTTCTTGGGTTTCCAT TTTAGATTTCCTTTTGTGTTTGAGTTAGTTGGATCTGACCATTTTCAACGTGCTTGACGT ATTGGAAACTTGTTTGAGTTTCAATTTTCCTTGTGCCGGATCGTCGGCTTGGATGTTGCC GTCAGGTGTAGCAAAGACGATGCCGCCTTCGCGTTTTTCTTTGGGCAGTTTGGTTGCTAC **ATCGTGGCTGATTTTTACCGTTCCGCTTTGGATGTTTTGGGGTTGGATTTTGAGCTTGAC** CCGGTATCACGGGATGACAATACCGAGGGGGTTATTTAATTTTGAGAATTTCCAAAGATT CCACGGTGGAGCGGGCTATTCCAAACTCGTTAAGTGCGGCAAAGCCGGCTGCTGGTATGG TGGATGCTCCGTAATTTATTTTTGGAATAAAATTTTCGTTCAGGGCGACGGCGGTTCTTG CGAGATTTAGCAAAGCGTCGAAATTTTCTTTAGGGATGGTGATGGTTTCCATGTCGGTAC TCCATGTGGCTGTTGTTTGTTTCGATGGGTGTATTTAAACATAGCGTTTAATAATATGCA ACAATCTGTTTAAGATTTTTGTTTAAGGTTTATAAACATTTTGATTATAAAAGAATTTA TTTTTGAGATTTCGCAGGCGCAAAAAAACCGCCTATTAAGGCGGCTTTGTCGGTTTTGTG CATAAATTTCGTGCCATGCCTTGCTTAGATAATACTGCCGAAGCATCGGGATTTTAGATA GCCGGTGTGGCATTGGGATATTTCGTGCGCACCATAGCCGCAACAGAGTGTCTTCGTCAT CGATTTGGATATGTTTTAAGATTAAGCCGCTTGAACCGACGGGCAATAGATACCTTGCGT CAGGGTTGGCAAAATGCTTACCGGAACCATCAAAGTCATACAATACATTTGGCTTGAGGT CTTTGTAGTTCTCTTTTCTGCGCGGGGGGATACTTCGCCAAGCCACTCAAAGCACAGGG TTGCTGTTCTGTGATGCAGCTCGTGAACCTTCAACTCTCCTTGTACGCCAAGGAAATTCA TACCGGCATCGTACTCACCAGGCCACCAAGGGGAATCAAAACGCCTATTTTTGACAATCT TGAAAGCCCTATCAATATTATCTCGTCGTAATAGCAACATTTTTCAATCCAGCACGCTCC ACCAAAATACCCTGCCGATAACGGTCAGGCTGTCCAAGGGGGGCGTTTTCGTCGCCATAGA AACCGCTGTTGTGGCTGCGTATCAGAACGCTGTTGCCAGGCTGCCGTATCAGGTACTTCA CGCGGAACATACCGTCCTGGGCGAAGGCGTAGATTTTGCCGTCGCGTATGGCGGTTTCGC CCGTATCTACGGCAATTGCCGCGTCTTCTGCGATTTTTTCCTCCATACTGTCGCCGGTCA GGGTGCAGCAAAACACGTTGTCGGGATTGATGCCTTTGCGTTTAAGCGTGGATTTGCCGA ACGGCAGGCGGTAGCCGTTGTAATCGGGGATTTCATACGTGCCTACTCCGCCTTTGAAGC AGCTCTCTTTGAGGTAGGGGACGAAAACATAATCATCGTCGGGCAGCGGGTCGTTGCTGC TCCACGTCATCGGGCGGTGGATGTCTTTGACTTCGTGGGGTAGGTCGGGGTCAATAAGGA CGGGCGCGGTTCGGCTGCCTTCACCTGTTCTCAGCCATGTTTCAGATACACCGAATGCTT TTGCTACTTCAGGCAGCGCCTTTGCCGCTATGCCACGACTTTCCCAGTTTTTCAAAGCCT **GTTGGCTGATATTCAGACGCTCTGCTATGTCAGCCGGCTTTAAAACTCCCTGCTCTTTGG** CTATCTCAAAAAGTCTGTCAGTTGTCTCGTGCATTGTCATTTTTAATCTTATTCGCGGTT GGCTTAATTATTCTCCCATATTTAAACAAAATGTTGTTACACAAGACTTGATTTTTATCT GTCAATGAAGACAAACGCCTGTTGCAATCAATCGGCAGTTACGCGGAAGTTGGTCGAATA ACAGGGAATAGCCCTCAATGCGTTTTCAATTGGACGAAGCGCGGGATACCTGCACGAATA AAACTTAAGTATCCCGACCTGTTTTTGAACTCAAAGAAACCAGACGACCAACCCAAATAA AAAAAGCCTGTCGTGGAAAGCTCGCCGCGGGCTGGGGAAGCCGCATTGATGACGATAATT TTTAATATTGCTTGGATTCGGATTTCAAGTGCAACACTAGTGTATTAGTGGTTGGAACAG **ATTCAAGAATAAAACACTTGGCGTTTCGTAGCCAAGTGTTTTTCTTGGTCGGTGGTTCAA** GAAGTATTGCCGGATGAGTCCGTTGGTGTTCTCATTCAGCCCTTTCTCCCAAGAATGGTA AGGGCGACAAAATAAGTCTCCGCTTTCAATGCTTTGGTTATTTTGGTGTTGGTAGAA CTCTTTGCCGTTATCCATGGTGATGGTGTGCACCCTGTCTTTATGTGCCTTTAATGTCCT AACAGCTGCCCGGGCAGTGTCTTCGGCTTTGAGGCTATCCAATTTGCAGATGATGGTGTA GCGGGTAACGCGTTCGACCAAGGTCAATAATGCGCTTTTCTGTCCTTTGCCGACAATGGT GTCGGCTTCCCAATCGCCGATACGGGATTTCTGGTCGACGATAGCGGGTCGGTTTTCTAT GCCGACACGGTTGGGTACTTTGCCTCTGGTCCATGTGCTGCCGTAGCGTTTGCGGTAGGG TTTGCTGCATATTCTGAGATGTTGCCACAACGTGCTGCCGTTGCTTTTGTCTTGGCGAAG GTAGCGGTAAATGGTGCTGGTGGAGCGTGATCTGGTGGTGTTTTGCGCAGGTAGGCGCA TACTTGTTCGGGACTGAGTTTGCGGCGGATAAGGGGGTCGATGTGCTGAATCAGCTGCGA **ATCGAGCTTATAGGGTTGTCGCTTACGCTGTTTGATAGTCTGGCTTTGCCGCTGGGCTTT** TTCGGCGCTGTATTGCTGCCCTTGGGTGCGGTGCCGTCTGATTTCGCGGCTGATGGTGCT .TTTGTGGCGGTTAAGCTGTTTGGCGATTTCGGTGACGGTGCAGTGGCGGGACAGGTATTG

AAAGGCCGTATGCTACCGCATACTGGCCTTTTTCTGTTAGGGAAAGTTGCACTTCAAATG CGAATCCGCCGTGCGCTGAAATTCGACCAGTTGATACTCGAATTTCCTGAGCGCGGGGAC GGCGCATGGGTACACATCGGTTTCCGACGCAACAGCCCGCAACGCAACCAGATACTGACC GCAACCAAGAAAACGGCAAAACCGTGTATCTGCCCGGGCTGCATCCTTGAGGTCGTCTG **AAATGGATATTTTATTGAAATACTGGAAGCCGGTAGGTGTATTGCTGCTAATCGTCCTGA** TTTTTACCGCATGGCATTTCGACCGTGCCGAAAAATACCGCATGGGACGGGAGGCTGCTG CTGCCGAAATCTCGAATCGTCTGAAAGACGGCTATATCGAGCAGGCAAAGCAGGCGCGTT CTGCCGAGCAGAAGGCCGCTGCCGCGTTTGCCGAACGACAAACCAAATTAGAAGAGGAAA **AACAAAATGCTGAAAAAACTGTTGCCGCTATGCGTCTTGAGCTTAACCGCCTGCGCCACT** ACGCCGCCCCAAAATCGCAACAGAAACCTGCCCGCAACCGCTACCGCCGCCACCGCAT CTGATGGCGCGTCAGATTCCCAAGGCTGGCTATTATTCGGACAGTGCGCTGAAAAATATG CAGGACTGGCAGAAACAGCCGACGGACATGCAGCCGATTTAAGGGAATGGCAGCATATG GTCATGCAGTAAGCAGTCAGCGTGCCGAATAAGCAACCGCCCGAACCTGTAAGAAAAGAT TACAGGTTCGGGCGGTTTCAGCATTTAATCGAATAAGACGGCGCCGATGCGCCCAGCAC ATCGTCCAATACATAATCGGGTACAGTTTCTTTAAAAGAAGCCTTGCGGATTTGCCAGTC TAGAGATTTGAGCTGGTGGCAGTGGACATTGCCCTGCGTTTCCGTTCCTGCACCGAGTAA GGTTGAAATCATGCCGCTGCTTCGTGCAGCTGCTGCATTCCCCTGTGAAATGGGGCAGGC AAAAACCAATCCCGTTGCGCGGTTGAATGCTTTTGGAGACAGAGCCAGCGCAAACCGCCC GCCCTTGATTTCCTTGCCGCTGGAAGGGTCGAAATTCAAATGGAAAATATCGCCTTTGTC GGGAATATACATTTCAGACGACCTCGTTGCCGGCATCATCCAAGATTTCCCAGCCTTCTA CGCGCGGCGGGTTTCTTCCATTTCGGCAAGCAAGTCTGCCAAGCGGAAACGTCGGGCAG CACGCACACGGAGTTCGCCGTTATGTACTTCCGCTACCAAAGCGTCGCCGATTTTAAAAT CCAATTGTTTCAGCATGTCGGCAGGCAGTCGGACGCCGCCGAGTTCCCCCATTTTTGGA CACGCAACATAATCTTCACCTTTATTGTATCTACAAAGTAGATACATATTACCATAAAAT TTCAGTTGTTCAAATACTTGTGCAGAATACGCCAAAAGCCGTCCGAACTGTTTCGGACGG CTTTTGTACTGTATTTGCGCCTTCAGGCAATATTTTGTTATCCATTTTCAAGATGCAAAA GCTTTCTAATTGCTTGATGTCGGATTTCGGTTGTTTAGGGATACAAAACCAAGTAAACTA AAACTGTTTGATTGGAAAATGCTCCGCAAGGAGAAAATTATGTTCAAAAAATCACTTTAT AAGGCTGCTTTGGCGTATTTCGGCGATTGCGTGGCTGCCCATATTTCAGAACAGTTTTGA CTGTTTATTCACAAATCAGATGCCTTTAGGGGGTTTGCTTTCCATAATGCAACCAAAATT TCCAACTCTCTAAATATTGTGTCTTTGCGTTCTTCTTCGCGTATTTTCATAACAAGAGGC GAAACTGCATTCCACAATTTTATGAAGTTGGTGCAATGCAGCCGTTTAAACAAATCCTCA AAATGCCCTCTCTCTTTTTCCCATTGTCCGCCCTTATTTTGATAAATTTCATACAGGTCG ATCCGCGCGTTGTTGTCGTCAACTGCCGTGCCGCGAATATAAGGCGAAATATGATTGTCG GCTTCTACAAATTGTGCATCTTGGTAATCATTCAAAATAACATCTAATGTCGCCTTTTGC TTTGAAGTTTTCTTATTGATGAATATTGTCCCCAGTGCAATGACGGCGGTTACTGAAACA ACGGTCAGTTGCCAAAACATCAGCCATTCGGCCGTCCCTCATAGGTTAAACTGTACGCTG GACAACCAACCTCCTTGTTTATTTGTTTCCGCACCTTACCAGCCATTAAAACCCTCATT ATGCCGTGCGCCCGTTCTTTCAAGGGGTGATTTAAAAATCAGGCATCCTTGACATCCTCT CCTGCTTAAAGGCGGGGGACTCCTGCCGTGTAAACCAATGCCGTCTGAAGGGCTTTCAG ACGGCATAAAAAAACCGCCTTTGTGTAAAGCGGTTGAAGAAAAGCCTTTCAATAAAAATG CCGTCTGAATTTCAGACGGCATTGTTGTCGGATATGCCTATTCCTTATCCAGCCGGCGCA GGGTTTCGGCGAGCTGTTTGAAGTCGGTTTCTCCCGCCGCCAAACTGACAATCAAGTCGT CAAGCCCTTGGTCGGCGGCAATGCTGATGCCCTGCAAATCCAGATAGGTCAACATTGTTA AAAGCGCGGTGCGCTTGTTGCCGTCGGGAAAGGCGTGGGCTTTGGCTATGGCTTGTGCAT AGAGGGCGCGATTTCGTAGATGTCCTCAAGGTTTTCATACTGCCGCCAGTTGGCAATCC CCAATACGGTTTGATGGATAAGCGCGACCAGTTCGCCGTCTATCATTTGTCGGCAAGTGC CTTGACGGCTTTTTGATGGGTTTTGGCAATGCGGCGGCGGCGAAGCAGTACGCGTTT GCCTGCTTCGCCTTTAAGCTCGATTTTGACGGGGCGTGTATTTTGGTTTTTGCATCGCTGC TCCTTGTCTGTTTGCGGGCATTTTAGCTTTTTTCCGGCAGCTTGGGAAATGCCGTCCGAA **AACACTTCAGACGCATTCTTCTAATAGTGTAATGCAATAGTTACTCCAAGATTTTTGTA AATAAATTTAGTCGAATCCCACCGTTTCCGCCACAAAGCAAAACCGCCCTGATTCGGGG** ACCCAAACACAGGTTTTCAGCTGTTTTCGCCCCAAATACCTCCTAATTTTACCCAAATAC CCCCTTAATCCTCCCCGGATACCCGATAATCAGGCATCCGGGCTGCCTTTTAGGCGGCAG CGGGCGCAAATCAGTCCGAAATAGGCCGCCCGGGCGTAGCGGAATTTACGGTGCAGCGTA CCGAAGCTTTGTTCGACCACATAACGGGTCTTAGATAAATACCGGTTGCGTTTGGTTTGC GTTTCCGTCAGCGGACGGTTGCGGCAGGCTTTGCGCATAATGCCGTCCTGCAACTGATGT TCTTCCAGATGTTGCCGGTTTTCCGCACTGTCGTAGCCTTTGTCGGCATAGATGGTCGTA CCTTCGGGTAACCCTTCCAACAACGGCGACAGGTGTTTGCACTCATGGGCATTGGCGGGA GTAATGTGCAGTTTCTCGATATAGCCTTCCGCATCGGTACGTGTATGTTGTTAACCG AGTTTGTAGAGGCTGTTTTTCTTTGTCCAACGGGCATTTTTGTCCTTACTCAGTGTGGTT TGACCGCTGACTTGTCCCTCTTCATCGACTTCTATGGCCTGGCGCTGTTTGCTGCCGACG GTCTGAATAATGGTGGCGTCAACGACGGCGGCGGATGCTTTCTCTACTTTTAAGCCTTTT TCGGTCAGTTGGCGGTTAATCAGTTCCAACAGTTCGGACAGGGTGTCGTCTTGCGCCAGC CGGTTGCGGTAGCGGCATAAGGTGCTGTAATCGGGGATGCTCAGTTCGTCAAAACGGCAA AACAGGTTGAAGTCGATGCGGGTGATGAGGCTGTTCGAGTTCGGGATCGGAGAGGTTG TGCCATTGTCCGAGCAGGACGGCTTTGAACATGGACAACAGGGGGACAGGCGGACGACCG .. CGGTGGTCTCGGAGGTAACGGGTTTTTTGACGGTTCAGGTATTGTTCGATCGGCTGCCAA TCAATCACCTGGTCCAACTTCAATAGCGGGAAGCGGTCGATGTGTTTTGGCAATCATGGCT

TGGGCGGTTTGTTGAAAGAAGGTGCTCATGAGAAATCCCCTAAATGTCTTGGTGGGAATT TAGGGGATTTTGGGGAATTTTGCAAAGGTCTCGACCTTGTGTTTTTTAAGGTATTCGATA GTATGGGCGATACCTTTGGGGTTGTTGGTTTCGGTTTTGGTTTTAGACAAAGACGAAACG GCGATGACGAAGTTTCGTTTGGCGATGTCGATATAGTGAATTAACAAAAATCAGGACAAG ACGACGAAGCCGCAGAAAGTACAGATAGTACGGAACCGATTCACTTGGTGCTTCAGCACC TTAGAGAATCGTTCTCTCGAACTAAGGCGAGACAACGCCGTACCGGTTTTTGTTCATCC **ACTATAACAGCAACCCTGTCGCCGTCATTCCCGCAAAAGAGGGGAATCCAGTCCGTTCAGT** TTCGGTCATTTCCGATAAATTCCTGTTGCTTTTCATTTCTAGATTCCCGCTTTTGCGGGA ATGATGACGGAAGGGTTTTGGTTTTTTCCGATAAATTCTTGAGGCATTGAAATTCCAGAT TCCCGCCTGCGCGGGAATGACGATTCATAAGTTTCCCGAAATTCCAACATAACCGAAACC TGACAGTAACCGTAGCAACTGAACCGTCATTCCCACGAAAGTGGGAATCTAGAATCTCAG **ACTTTCAGATAATCTTTGAATATTGCCGCTGCCTTAAGGTCTGGATTCCCGCCTGCGCGG** GAATGACGAATCCATCCGCACGGAAACCTGCACCACGTCATTCCTACGAACCTACATCCT GTCATTCCCACAAGGACAGAAAACCAAAATCAGAAACCTAAAATTCGTCATTCCCGCGAA AGTGTGAATCTAGAAATGAAAAGCAACAGGCATTTATCGAAAATAACTGAAACCGAACAG **ACTAGATTCCCGCCTGCGCGGGAATGACGGCTGCAGATGCCCAACGGTCTTTATAGTGGA** TTAACAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGAACCGAT TCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTTGAGCTAAGGCGAGGCAACGCC GTACTGGTTTTTTATATCCAATGGGTGCGGCGTTTAATCATAATCAGGCAGATAGGGATA ACTAATGCCGTCTGAACGACGAATGTTCAGACGGCATTTTTACCTTTGTGCTTATAAGGC GTTTAGTGCCTGATTAAAGGTTACGCTCGGACGCATCACTTGTGCGGCTTTTTCAGGATT GGCGGCGTAGTAGCCGCCGATGTCGGCCGCTTTGCCTTGTACGGCGGAAAGCTCGGCAAC GATTTTCGCTTCGTCGGCGGTCAAAGCGGCTGCCAATGGCGTAAATGCGGCTTTCAGTTC GGCATCTTTGTCTTGCGCCGCCAATTCTTGCGCCCAGTAGAGGGTGAGGTAGAAATGGCT GCCGCGGTTGTCGAGTTCGCCGGCTTTACGTTTAGGCGATTTGTCGTTCAACAGCAGTTT TTCGGTGGCTGCATCCAAAGTGTCGGCGAGGACTTGGGCTTTTGGCATTGCCGGTTTTTTG CGCCAAATGTTCAAACGATACGGCGAGTGCGAGGAATTCGCCCAGCGAGTCCCAGCGCAA **AAACATACCGCCGCTTCATCAATGGAACGATAGACAGCATTTTCGCGCTTGTGCCGAG** TTCCAAAATTGGGAACAAGTCGGTCAGGTAGTCGCGCAAGACATTACCGGTTACGGAGAT GGTGTCTTCGCCGTTTTTCAGACGACCCAAGCTGAACTTGGCGGCTTCTTCAGGAGCGAG GACGCGGATGTCGAGGCCATTGGTATCCAGTTCGGCAAGGTAGGCTTTAACCTTGGCGAG CAGGCTCTTGTCGTGCGGACGGTTTTCGTCGAGCCAGAACACGGCAGGCGTGTTGCTCAG ACGGCCGCGTTGACGCAAGTTGTACCCAGTCTTTAACCGGAGCGTCTTTGGTTTGGCA CATACGCCAGATGTCGCCGGCTTCAACGTCGTGCTGCATTAGGACTTTTCCTGCCGCATC **AATGACTTGGACTTGGCCGTCGGCTTCGATTTCAAAGGTTTTGTTGTGCGAGCCGTATTC** TTCCGCCGCTTGCGCCATCAGTCCGACGTTGGGCACAGTACCCATGGTTGTCGGGTCAAA TGCGCCGTGTTCGCGGCAGAAGTCGATGGTTGCTTGGTAAACGCCGGCATAGCTGCTGTC GGGAATCACGGCTTTGGTGTCTTGCGCTTTTGCCGTTTTTGTCCCACATACGGCCGGAATT GCGAATCATCGCAGGCATAGAGGCATCGACGATGACATCGCTGGGAACGTGCAGGTTGGT GATGCCTTTGTCGGAATCAACCATCGCCAAATCGGGGTTGGCAGCGTAAACGGCGGCGAT TTCGGCTTCGACGGCGGTGCGGGTGTCCGCATCCAGTTTGTCCAGATTGGCAAGCAGGTT GCCGAAGCCGTTGTTAACGTTGACGCCGGCAGCAGCCAGTTTGTCGCCGAATTTTTCAAA AACAGGCGCGAAGAATACTTTGACGGCGTGTCCGAAGATAATCGGGTCGGACACTTTCAT CATAGTGGCTTTCATGTGCAGCGAGAACAACACGCCTTTTGCTTTCGCATCTTTTACTTG TTCGGCAAGGAAGGCGAGCAGGGCTTTTTTACTCATCACGGTCGCGTCGATGATTTCGCC GATGGATACGGAAGTCGCTTCAGGTACGATAACAGATTGTTCGTTATGAAAAAAGTCGCC GCTTTGCATGGTGGCAACGTGGGTTTTGGAGTCTTTGGTCCATGCGCCCATGCTGCGG ATTTTTTTCGCAAAGTTTTTCACTGCTTTAGGGGCGCGACGGTCGGAGTTGCCTTCACG CAGGACAGGGTTTACCGCGCTGCCTTTGATGCGGTCGTAGCGTTCGCGTACGGCTTTTTC TTCATCGGTTTGCGGGTCGGCGGGATAGTCGGGAACGGCAAAGCCTTTAGATTGCAATTC TTTAATCGCGGCAGTCAGTTGCGGTACGGACGCGCTGATGTTCGGCAGTTTGATTACGTT TGCATCGGGTTGTTTCACCAGTTCGCCCAATTCGGCAAGCGCATCAGGTACGCGTTGCGC TTTGACATCAATATCGGCGTGGCGGGCAAAAGCCTGCACAATCGGCAGCAGCGATTGGGT CGCCAGCGCGGGTGCTTCGTCGGTATGGGTATAAACAATGGTGGATTTTTGAGTCATAGG ATTATTCTCTTGTAGGTTGGTTTTTTCTTTTGGAACACATTGCGCGGGGAATGTGCGTGG CTATTATGGCATATTTTGGCGGCTTTGTTCGCGCTTTGTTCGATCTTGGCGTGTTTGAAC GCGGCGCGTGAAAGGAAGGGGGAAATGGTTTTCCCGCGTTTGGCGGCGGTCGGAGGTGC TGTGCCTGATGTGCGGCGGCATATTTTCGGTGAAATTGATTTTATAGTGGTTTAAATTTA **AACCAGTACAGCGTTGCCTCGCCTTGTCGTACTGCTTGTACTGTCTGCGGCTTCGTCGCC** TTGTCCTGATTTAAATTTAAACCACTATAATATTCGGTAACTGTCGGAATATCTGCTAAA ATTCCGCATTTTTCCGTCCCGGGACACTCGGGGCGTATGTTCAATTTGTCGGAATGGAGT TTTAGGGATATGGGCTTGAAAAAGGCTTGTTTGACCGTGTTGTGTTTGATTGTTTTTGT TTCGGGATATTTTATACATTTGACCGGGTAAATCAGGGGGAAAGGAATGCGGTTTCCCTG CTGAAGGAGAAACTTTTCAATGAAGAGGGGGAACCGGTCAATCTGATTTTCTGTTATACC ATATTGCAGATGAAGGTGGCGGAAAGGATTATGGCGCAGCATCCGGGCGAGCGGTTTTAT GTGGTGCTGATGTCTGAAAACAGGAATGAAAAATACGATTATTTCAATCAGATAAAG GATAAGGCGGAGCGGGCGTACTTTTCCACCTGCCCTACGGTTTGAACAAATCGTTTAAT TTCATTCCGACGATGCCGGAGCTGAAGGTAAAGTCGATGCTGCCGGAAAGTCAAGCGG ATTTATTTGGCAAGTTTGGAAAAAGTCAGCATTGCCGCCTTTTTGAGCACTTACCCGGAT GCGGAAATCAAAACCTTTGACGACGGGACAGGCAATTTAATTCAAAGCAGCAGCTATTTG ..GGCGATGAGTTTTCTGTAAACGGGACGATCAAGCGGAATTTTGCCCGGATGATGATCGGA GATTGGAGCATCGCCAAAACCCGCAATGCTTCCGACGAGCATTACACGATATTCAAGGGT

TTGAAAAACATTATGGACGACGGCCGCCAAGATGACTTACCTGCCGCTGTTCGATGCG TCCGAACTGAAGACGGGGACGAAACGGGCGCACGGTGCGGATACTTTTGGGTTCGCCC GACAAAGAGATGAAGGAAATTTCGGAAAAGGCGGCAAAAAACTTCAAAATACAATATGTC GCGCCGCATCCCCGCCAAACCTACGGGCTTTCCGGCGTAACCACATTAAATTCGCCCTAT GTCATCGAAGACTATATTTTGCGCGAGATTAAGAAAAACCCGCATACGAGGTATGAAATT TATACCTTTTCAGCGGCGCGCGTTGACGATGAAGGATTTTCCCAATGTGCACGTTTAC GCATTGAAACCGGCTTCCCTTCCGGAAGATTATTGGCTCAAGCCGGTGTATGCCCTGTTT ACCCAATCCGGCATCCCGATTTTGACATTTGACGATAAAAATTAATCGCATAGCAAATCA AAATAGAAAATGGCGGAGTGCGTGGGGTAAAAATAAGGATAGCGTTTTTTCATTTGGATT GACGATAATTTCTGATTGCTTTGCGTGTGCTGAAATGGCAAAGAAAATGCCGTCTGAAGT CTTCAGACGGCATTGTTTTGTTTTGGATGTTATTCGGGCGCGGGAAACTGTCGTGGCAG GATTTGCAGCTTGCGCCGGTTTCGCCGTAGGCGGCTTTGATTTCGTCCAGTTTGCCGGTT TGGGCGGCGTTGAGTTTTTCGACGGCGGCGGCGAATTTTGTTTTTTCGGCTTCAAAT TTTGCACCATCCGACCAAACGGCGGCCAGTGCGCGGCCGTTGCCTTGCGGATCGGACTCA AAAAGTGTGAACGGTTTCTTGCTGCTTTCGGCAAACGACGCTGCCGCCTGTTTGAATTTT TCGACATCGTAAGGTTCTTCGTCTTTGACCATTTTGCCCATGCGTGTGAATTCGGGCATC ATGGATTTGAACGCGGCGGTGCGGTTTTCGGAAATTTCGCCTTTGGGTTGGGAAGGTATT CCGCTGCCTCCGCAGGCGGAAAGGAGCAGTGTGATGGCGGCAGCAGCAAGGCTGATTTGG GTTTTCATATTGAATGTGTCCTGTCGTGGTGGTATGGTTGTTGTCATTTTCAGTCGGCGC AAAACAATGGCTGTTTTAATTACCGGTGCTTCGGCAGGATTCGGCGAAGCGATGTGCCGT GCGTTTGTCGGGGGGGATACCGCGTTATCGGTGCGGCGCCCCGTGCGGACAGGCTTCAG GCCTTGGCGGATGAATTGGGTGCTTTGTTTTACCCTTTGGAAATGGACGTGTCGCGACGC GAGTCGGTGGAAAACGCCTTAAACGGCATCCCCGATGAATTTTCCGACATCGACTGCCTC ATCAACAATGCCGGGCTGGCTTTGGGTCTGGACACGGCGGACAAGGCGGATTTTGAAGAT TGGGAAACGATGATTCAAACCAATGTTTTGGGTTTGACGTTCCTGACGCGCAAAATTTTG CCGCAAATGGTGGAACGCGGCGGCGGTTATGTGATGAATTTGGGTTCGATTGCAGGCAAT TATGCTTATGCCGGCAGCAACGTTTACGGGGCGACCAAGGCGTTTGTGCGCCAGTTCAGC CTGAATTTGCGCGCGGAGTTGGCGGATAAGAACATCCGCGTTACCAATATCGAGCCGGGT TTGTGCGGCAATACGGAGTTTTCCAATGTGCGCTTCAAAGGCGATGACGAGAGGGCGGCG GGCGTGTATGAGGGTGTGGAATTTATCCGCCCCGAAGATATTGCGGAAACCGCATTGTGG CTGTACCAGCGGCCGCATATGAATGTGAACACGATTGAAATTATGCCCGTGGCGCAG ACTTTTGCAGGAATGAAAGTGATAAAAAAAGCCGTGCCCGAAGTGCGGGAAGACTTTGAA AAACAGAGTATGTCGCTGTTTTCCCGCATCAGGTCCTGGTTCAAATGATGCAAAATGCCG TCTGAAGACAGTTTCAGACGGCATTTTTACGGGTATTTTTACGGAGTAGGCAATAAGCCC GCCAATTTGGGGTTGCCTTCTTTCGGAATCGGGCGCGGATTGCCTTCCGCATCGATGGCA ACATAAGTGAACACGGCTTCGGTTACGAGGTAGCGGTCTTCGGTAACGCAATCGTTCATC AAAGTTTTCACCCAGACGTCGACTTTAAGCTGGAGGGAAGTGTTGCCCACGCGGACGCAA TGCCCGTAGCAGCAGACGACGTTGCCGACCTTGACCGGGCGGATGAAGTTCATTTCCTGA ACGGCGACGGTAACGATGCGTCCCCGCGCGATTTCCGCCGCCCAATATGCCGCCGCCCAAA ATAGCGACGGTACGCAGGAGCAGTTCGCCTTGAGGGCCGTTGCCGTTCCTTCGTGC TGCATAAAGTTTCCTTGTTTTATTGAAATATAAATCGAACCTGCACCCCTGCCCGAAACG ATTCGCAAGGCGTATTGTAGGGCGGGGCTGTAGAGTGGGCTTCAGTCCGCCAATCCCGCC AAATCCTACCCTAAGCAACTGAACCGTCATTCCCACGAAAGTGGGAATCTAGAACGCGGG GTTTCAGTCATTTCCGATAGATTCCCGCCGCGTCGGGGGTCTGGATTCCCGCCTGCGCGG GAATGACGAATCCATCCATACGGAAACCTGCACCACGTCATTCCCACGGAAGTGGGAATC TAGAATCTCGGGGTTTCAGTCATTTCCGATAGATTCCCGCCGCGTCGGAGGTCTGGATTC ACGGTGTTGTCGGAACGCAACTGAACCGTCATTCCCACGAAAGTGGGAATCTAGAATCTC GGGGTTTCAGTCATTTCCGATAGATTCCCGCCGCGTCGGGGGTTTGGATTCCCGCCTGCG CGGGAATGACGAATCCATCCATACGGAACCTGCACCACGTCATTCCCACGAAAGTGGGAA TCTAGAACGCGGGGTTTGGGCAACTGTTTTTATCCGATAAGTTTCTGTGCGGACAGGTCT GGATTCCCGCCTGTGCGGGAATGACGAATTTCAAGATTGCGGTGTTGTCGGACGGGTTTT GAGATTACGGTGTTGTCGGAGCGCAACTGAACCGTCATTCCCACGGAAGTGGGAATCTAG AACGCGGGGTTTCAGTCATTTCCGATAGATTCCCGCCGCGTCAGGGGTCTGGATTCCCGC CTGCGCGGGAATGACGAATCCATCCATACGGAAACCTGCACCACGTCATTCCCACGGAAG TGGGAATCTAGAATCTCGGGGGTTTCAGTCATTTCCGATAGATTCCCGCCGCGTCAGGGG GCTGGATTCCCGCCTGCGCGGGAATGACGAATTTCGAGATTACGGTGTTGTCGGGAATGA CGAATCCATCCATACGGAAACCTGCACCACGTCATTCCCACGGAAGTGGGAATCTAGAAC GCGGGGTTTCAGTCATTTCCGATAGATTCCCGCCGCGTCGGGGGTCTGGATTCCCGCCTG CGCGGGAATGACGAATCCATCCATACGGAAACCTGCACCACGTCATTCCCACGGAAGTGG GAATCTAGAATCTCGGGGTTTCAGTCATTTCCGATAGATTCCCGCCGCGTCGGAGGTCTG CATTCCCGCCTGCGCGGAATGACGGGTTTCGAGATTGCGTTGTTGTCGGGAATGCAACT GAACCGTCATTCCCACGGAAGTGGGAATCTAGGACGTAAAATCTAAAGAAACCGTTTTAT CCGATAAGTTTCTGTGCGGACAGGTCTGGATTCCCGCCTGCGCGGGAATGACGGGTTTCG AGATTACGGTGTATCGGGAATGATGGGAAACGGTGGGAATTGTGTAAAAAATGCCGTCTG AAGGTTCAGACGGCATCGGTATCGGGGAATCAGAAGCGGTAGCGCATGCCCAATGAGACT TCGTGGGTTTTGAATCGGGTGTTTTCCAAGCGTCCCCAGTTGTGGTAACGGTATCCGGTG TCCAAGGTCAGCTTGGGCGTGATGTCGAAACCGACACCGGCGATGACACCAAGACCCACG CTGCTGATGCTGTGGTTTCGTGATAGGGAGGTTTGCTGGGATCAGTTTGTATAATAGGA CCTCCCTGTGCAGCGCCTTGCGTTGGTTTAGAGGTAACAATCGTGGTTTTGGTTTCCACC TTATCGTTGAGTTTGAAATCGTAAATGGCGGATAAGCCGAGAGAAGAAGAGGCGTGGAAG

CTGCCGTTTCCCTGATGTTTTGTTTGGGTTTCTTTGTAGTTGTTTATCTCTTCAGTA ACTTTTTTAGTAGAAGAATTACTTTCTTTTCCATTTTCTGTAACTGGCATAATCTGCCGCT TCGTGGGTAATGCGTTCGGCGGCATAAGCTAAATCCGCCTGCACATAATACGGGCTGCGG TGGGGGCTGGATTCATTTTCGACTCCGTATTCGGTTTTAACTGATTAAAAAGAACAATTT TCAATGATGTTGCAGGAGCGGACTATATCAGGTTTGTGGCGATGTTTCAACACAATATAG CGGATGAACAAAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCGAGTGAATCGGTTCC GTACTATCTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATA AAGACCGTCGGGCATCTGCAGCCGTCATTCCCGCGAAAGTGGGAATCTAGAAATGAAAAG CAGCAGGAATTTATCGGAAACGACCGAAACCGACGGACTGGATTCCCGCCTGCGCGGGA ATGACGGGATTTTAGGTTTCTGATTTTGGTTTTCTGTTTTTGAGGGAATGACGGGATGTA GCGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAGATTATCTGAAAGTCTGAGATT CTAGATTCCCACTTTCGTGGGAATGACGGTTCAGTTGCTACGGTTACTGTCAGGTTTCGT TTATGTTGGAATTTCGGGAAACTTATGAATCGTCATTCCCGCGCAGGCGGGAATCTAGAC CTTAGAACAACAGCAATATTCAAAGATTATCTGAAAGTCCGAGATTCTAGATTCCCACGA **AAGTGGGAATCCAGGATGTAAAATCTCAAGAAACCGTTTTATCCGATAAGTTCCTGCACT** GACAGACCTAGATTCCCGCCTGCGCGGGAATGACGGGATTTTAGGTTTCTGATTTTGGTT ${\tt TTCTGTTTTTGAGGGAATGACGGGATTTTAGGTTTCTGATTTTTGGTTTTCTGTCCTTGTG}.$ CGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAGATTAT CTGAAAGTCCGAGATTCTAGATTCCCGCTTTCGCGGGAATGACGAAAAGTGGTGGGAATG ACGGTTCAGTTGCTACGGTTACTGTCAGGTTTCGGTTATGTTGGAATTTCGGGAAACTTA TGAATCGTCATTCCCGCGCAGGCGGGAATCTAGTCTGTTCGGTTTCAGTTATTTCCGATA AATGCCTGTTGCTTTTCATTTCTAGATTCCCGCTTTTGCGGGAATGACGGCGACAGGGTT **GCTGTTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAA** TGATTCTCTAAGGTGCTTAAGCACGAGTGAATCGGTTCCGTACTATCCGTACTGTCTGCG GCTCGCCGCCTTGTCCTGATTTTTGTTAATTCACTATATCGCGATTTTTCGGCATTTGCC TTTCGGGGCGGCTTGTGTCTCGTGCGTGATGTTGCGTGTGGGAATGTTCGGATTGTCAGA **AGCAATATGGGAGAAGATGATGTATGAGATAAAACAGCCTTTTCATAGCGGATACTTGCA** GGTGTCTGAAATTCATCAAATTTATTGGGAGGAATCGGGCAATCCCGACGGTGTGCCGGT TATTTTTTTACATGGCGGGCCGGGCGCGGGGCTTCGCCTGAATGTCGGGGTTTTTTCAA TCCCGATGTGTTCCGCATCGTCATCGACCAGCGCGGTTGCGGACGTTCGCGCCCGTA TGCTTGTGCGGAAGACAATACGACTTGGGATTTGGTGGCGGATATTGAAAAAGTCCGTGA **AATGCTGGGTATCGGGAAATGGCTGGTGTTCGGCGGTTCGTGGGGCAGCACTTTGTCGCT** GGCTTATGCCCAAACCCATCCTGAACGGGTAAAGGGATTGGTGTTGCGCGGGATATTTTT GGAACAATGGCAAAAATTTGTCGCGCCGATTGCTGAAAATCGGCGGAACCGGCTGATTGA GGCGTATCACGGATTGCTGTTTCATCAAGATGAAGAAGTGTGCCTGTCTGCCGCGAAGGC TTGGGCGGATTGGGAAAGCTATCTGATCCGTTTCGAGCCGGAGGAAGTGGATGAAGATGC GCAGGGCGATAGGGCGATTTTGAACAATATCGGCAAAATACGGCATATCCCGACTATTAT CGTACAGGGGCGGTATGATTTGTGTACGCCGATGCAGAGTGCGTGGGCGCTGTCGAAAGC CTTTCCCGAAGCGGAATTGAGGGTGGTTCAGGCAGGGCATCGTGCGTTCGATCCGCCTTT GGTGGATGCGTTGGTTCAGGCAGTTGAGGATATTTTGCCCCATTTGTTGTAAAAAGTTCC GCATAAAAAAGCAGCTTCTGTTTGGAAGCTGCTTTTGTTTTGAATGGTTTAACGCAGTTC GGAATGGAGTTTGCCCAATAATGCGGATGCGTCTTTGCCGGCATATGCGCTGCCGTCTTT GTTGAGCAGGACGATGCGCGAGCCGTTGGCGACAGGTTCTGCATAGACAATCAGTTCCGG CTGTTCGGCAGGTTTCTCCGCTTTGCCTTTGCCCAGCAGGCGTTTGAACAGGCCGGGTTT TTGTTCGGTAACTGCATTGCTTTCGTTCGGGGCTTTTTGAACCAGGAAGGCGTGGCGTTC GGTGTTTTGACCGACGGTCAGCCCGATGCGGTCGAGGGCGAGCACGGTGCGCCCCA GTTTCTGCCGTAGTCGCCAAAGACAATCAGGCTTTTGCCTTCGATACGCGCCATTTCGTT GGCGGCGGAAGGGTAGGTTTTTTTGCCGATGCGTTTTCCGCCTGCTGTCCGTCAACGCC CAAATATTGCATAAAGCGCGTCAGGAAAGCGGCTTCGAGGTTGGGATCGGACGGGGAGGG CTGCCATACGGTCGTGTCTTTGTCTTTGCCGCCGTACACTTCTTTCATGGCTTTGTGGGC GAAGAAGATGTCGGAAACGCCGTTTTTGCCCTGTTCGATACGGACGATGAATTTGTCGCG CTCGCCGGTGGAGTAGATGCCGCCCAAGCCGACTTTGTCGAAGAGGCGGCGCAAGCTGTC TTGGGGGATTTTGGCGCGGTTTTCCGCCCACTCGGTTTCCATTTGTCCGATGGCGGGTTC TTCGGATTTGATGTCGAAGCCGTTTTCCTGCCAAAAGGCTTTCAGGAGCGGCCAGATTTC GGCAGGAGACTTGCCGTCGACAACGAGCCAGCGTTGGCTGCCGTCGCGCTCGAGGCGGAC **ACCTTTGACGCTTTTCAATACTTCGGCATCGGCAGGCTGTTGGACGCGGGTGTGCGGCG** TTGGTCGGGGTTGTTCAAATCAGGTGGGACTTCAAGTTTGATCAGGCGGTGCGACCGGCT TTGGTAGTCGAGCTTGGGCTGTTCGGTTTTGCTGCCGGAGCAGGCGGCAAGCCCGATGAG TGCGAGCGCGCAATGACGGGTTTGATATGGGTCATCGTGTCATCCTGTGTGATGGATAT TAAAGTGTTTGTTGCGTTATGCCGTCCGAACGGTTCGGACGGCATGGCTATATTTAAAGT TGTCCTGAGGCTTTCAGGGCGGCGCGGACTTTTGCTTGTCCGTTTTCCGTCAGCGGAACG AGCGGCAGGCGGACGTGCGGTTCGCATCTGCCCAGGGCGGATACCGCCCATTTCGGTGCG CGTGCAAGGGCGATATCGCCTTGAAGCGCGGCGCGCGCACATATCGGCAAAGAGCTTGGGC .GCGGCGTTGGCGGCTACGGTAATCACGCCGTGTCCGCCGCAGAGCATGAACGGCAGGGCG

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TTGCTGCCGATGTTGCCGCTGGCTTCTTTCACGCCGACGATGTTGGGGATTTCGGCAAGG CGCAGGATAGTGTCGTTAGTCATGCTGACGACGGTACGGCCGGGCACGTTGTAGATAATC ATCGGAATCGAAGTGGCTTCGGCGATGGTTTTGAAATGTTGGTAAATGCCTTCTTGGGAG GGCTTGTTGTAATAGGGGACGACGGAGAGGGTGTAGTCCGCCCCGGCTTTTTCGGCGGCT TGGGAAAGGGCGATGGCTTCGACGGTGTTGTTTGCCCCTGTGCCGGCGATGACGGGGACG CGTTTGGCAACGTGTTTGACGACGGCTTCGATGACGGCGGTGTGTTCTTCGACGGAGAGG CAGTCGATTAAGTCGCGGAGTTGTTCGTAATGGATGCTGCCGTCTTGATTCATCGGGGTA ATCAGGGCAACCAAGCTACCTTGTAACATACAGAACCTTTTATCAGTTGTGGTGTAGGGG CGGTAATGCTTCCGATTGTAGCCTACTTTACCGCAGGTGTGAAATCCGGCGGGTTGCAGA TGTGGGGCGTTTGCGCCGAAAGGTATGGTGGAAATTGATTTTTCCTGTTTGAAATCATTT TATTATATTCGCCGGTTTATGCCGGTGCCGTCGGATTTATAGTGGATTAACAAAAACCAG TACGGTGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAG TGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGCCGCCTTGTCCTGATTTTTGT TAATCCACTATAAAATGTGGTAAACGTGTGGACCAGACGGATGCCGTCTGAAATGCAAAT TGAAGCCGTGCGGCAGATTCGCTACAATCCGCGCTTGGATTTTTCAACCTTTAAAATAAG GAAATACAATGAGCGGTCAGTTGGGCAAAGGTGCGGATGCGCCTGATTTGGTGTACGGTT TGGAAGACAGGCCGCTTCGGTAATGCGCTCTTGAGCGCGGTTACCCATCTTTTGGCGA AGATGACGGCGTATCTCGTGTCGATGGCGATGGTTGCGTCGGGTGTCGGCACTTATTTGC CGTTCGTTACCGTGATGATTGCGCTGGGCGCGGGGATGAAAGAGGGCGGTTTGACTAAGG ATGCGATGATTTCGACGCTCTTGGGCGTATCGTTTGTCGGCGCGTTTTTTGGTGTGTTTCT CGGCGTGGCTTCTGCCGTATTTGAAAAAAGTGATTACGCCGACGGTCAGCGGCGTGGTCG TGATGCTCATTGGTTTGGTTTGGTACACGTCGGCATTACCGATTTCGGCGGCGGCTTCG GCGCGAAGGCGGACGCACGTTCGGCTCGATGGAAAACTTGGGGCTGGCATCGCTGGTGT TGCTGATTGTGTTGGTGTTCAACTGCATGAAAAACCCGCTGTTGCGCATGAGCGGCATTG CGGTCGGGCTGATTGCCGGCTATATCGTCGCGCTGTTTTTTGGGCAAGGTGGATTTTTCCG CGCTGCAAAACCTGCCGCTGGTTACGCTGCCCGTACCGTTTAAATACGGTTTTGCTTTCG ACTGGCACGCGTTTATTGTGGCGGGCGCGATTTTCTTGTTGAGCCGTGTTTGAGGCGGTCG GCGATTTAACCGCGACGGCAATGGTGTCCGACCAGCCGATTGAAGGCGAGGAATACACCA AACGCCTGCGCGGCGGCGTGTTGGCTGACGGCTTGGTGTCGGTGATTGCGACGGCTTTGG GTTCGCTGCCGCTGACGACGTTTGCGCAAAACAACGGCGTGATTCAGATGACCGGCGTGG CTTCGCGCCATGTGGGCAAATATATTGCCGTGATTTTGGTGCTGTTGGGTCTGTTCCCCG TTGTCGGTCGCGCGTTTACGACGATTCCGAGTCCGGTGTTGGGCGGCGCGATGGTTTTGA GCGAAGCGGTGATTGCGGCAACGTCGGTCGGTTTGGGCTTTGGGTGTCGCGTTTGAGCCGG AAGTGTTTAAAAACCTGCCCGTCTTGTTCCAAAACTCTATTTCCGCCGGCGCATTACGG CAGTCTTGCTGAATTTGGTCTTGCCCGAAGATAAAACCGAGGCGGCGGTCAAGTTTGATA CCGACCACTTGGAACACTGATTTTGAAAATGAATGCCGTCTGAAACAGAATCCCTGTTTC AGACGGCATTGTTTTTGAGGCTTATACTTTTTCGTTTTTTAATACGCGTTGTCGGCGTGT TTCACTTAATACCATTCCGGCAGACACGGAGACGTTCATGCTTTCGACTGTGCCGAACAT GGGTATAGACACCAGCATGTCGCAATGTTCGCGCGTGAGGCGGCGCATACCGTCGCCTTC GTTGCCCATTACCCACGCCGCGCTGTCGGGCAGATTGCAATGGTAAAGGTCGGACTCGCC GCTCATATCGGTGCCGATAATCCAAATGCCGTATTCTTTCAATTCGCGCAGGGTGCGGCC GAGGTTGGTTACGGTGATATAGGGGACGGTTTCCGCCGCACCGCAGGCGACTTTGCTGAC GGTGGCGTTCAGCCCCGCGCTTTTGTCTTTCGGTGCGATGACGGCGTGTACGCCCATTGC GTCGGCGGTACGCAGGCACGCCGAGGTTGTGCGGATCGGTGATGCCGTCGAGTATCAG CAGCAGCGGCGGTTCGCTGAGGTTTTCCAATACGTCTTCGAGGTGGACGTGGTTTTTGGA GGCATCGATAAATCCGACCACGCCCTGATGGCGCGCGCCTTTGCTGATGGCGTTGAGGCG GTCGGCATCGGCAAAATATACGCGGATGTTTTCGTTTGCCGCCTTTTCCAACACTTCGCG CGTGCGTGCGTCTGATTTGCCTTCTTGGATGTAGAGTTCGACGATGGATTTGGGGTTTTG CCACAATCGGGCGTTGACGGCGTGGAAGCCGTAGATGGGTCTTTGGTTTGCCATGATGGT GCTTTGTAAAAAGGGTTCAGACAGCATTATAGCAATTTGCCGGTATGCCGTCTGAAAGGG TTAAAACAGGTAGGCGATGTATTTCACCAACAGGATAAACAAGATGGATACGGCGCAGCC GATTTTGAACGCCGTGCCGACGACAAGCCCCAACAGCGTACCCAAGCCCGCTTTACCTGC CTGAAGCATATTGCGCCGTTCGATCAGTTCGCCTGCCGCCGCGCCGATAAAGGGACCGAG TATTAGTCCGGGAAGGGAAAAAATATGCCGATGATGCTGCCGGCCAATGCGCCGCGAAC TATGCCGGCAAGGCTGATGAGTCCGACCGTCCACAAAACGCCCGCGCCGTAGATTTGGTA GCCGCCGGCATAGGCAAGCAGCCATGTTCCGGCAAACATCAATGCCAATCCGGGCAGGGC GGGGTAAACGATGCCCGCCGTGCCGACGGCTATCAGGGCGAGGGCGAGGATGACGGTCAG TACGGTCATAGGTTCAACCTTTTCTTTTGTTTTGAAAAAAACGGCTTAACACGGCGCGC ATTCTTCTTGCAGGATTCCGCCCCGTATGGCGGTGTGCGTATTGAGGCGTTTGTCGGCAA ACAGGTTGACGATGCTGCCGCCGCGCGGTTTTGGGTTCTGCCGCCCCGTAGATCACAC GCCTGATTCGTGCCTGTATCAGTGCGGACGCGCACATGGCGCAGGGTTCGAGGGTGATAT TGATTTCGGCGTGTCGGCTGACATTGCAGTCGGCAATGCAGGTGTTGTGTGCCGATGCGA TGATTTTGCCGTCTGAAACGATGACTGCCCCGACGGGTATTTCGCCGTCGGCGGAGGATT GTTCTGCTTGGCGCAGTGCTTCGCACATGAAGTGTTCCATTTCTTCCTGCGGCGGAAAGG CGGCGACGGGGGGTGGTTTTTTAACTCGGCAAGCAGGCGGGCTTTATGCGCTTGGGACA TTTCTTGCGGCGGCGTCCCAGCAGCGACTCGAGTTGCCACAGTGTGCTTTTCGTGA GGGTCAAACCCGATGCTTTGAGCAGCAGCAGAAGGCTTTTGACCGAACCGTTTTGCCGCAGTT CTTCGAGTGTACGGATACCGAGCCTGTGCAGGGCGGCGACGGTTTTGGGGGCGAGCGGCG GTGTGGTCAGCATGGTTTATGCGCCGAAAAACCGTTTTGCCGCCTCAATCAGGCGTGTGC

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TTGACCTGTCTGTTGCCCGTCATCACGGCGCGCTCGAGGATGCGGATGTTGTTTTTGGCG CACAATAAATCAAAGTCTTTGAGCGTGCACCAATGGATATTGGGCGTGTCGTACCAATGG TAGGGCATACGTTCGGAAACCGGCATATGTCCGCCGAGTGCGATTTGGACGCGGTTGCGC CAGTAGCCGAAATTCGGGAAGCTGACAATCGCCTGTTTGGCAACGCGCATCAGGCAGCGC AGGATTTTTTCGGTATTCTGCATCGCTTGGATGGTTTGGCTCAACACAATCACATCAAAA CTTTGATCGTTGAATGCGGTTAAACCTTCTTCCAAATCGGCTTGGATAACATTTACGCCG CGCGACATCGCGGCGATGACGCTATTTGTGTCGATTTCGATGCCGTAGCCGCTGCATTTT TTGTGTTCGACCAATGCGGCAAGCAGTTCGCCGTCGCCGCAGCCCAAGTCCAAGACGCGG CTGCCTTCGGGTATCCGGTCGTAAATCAGTTGCAAATCATCGCGCAGGTTCATTGCTGAC TTAAAAAGGCATCGTGCCCGTGTGCGGATTTGACTTCGATATACTGCACGGATTTTTGGG $\tt CGGCAATCAGTGCCTTGACCAGTTCGTGCGAACGTTCGGGTGCGAAACGCCAGTCGGTGC$ TGAAGCTGGCGACAAAGAATTTCGCTTTCACATTTTGCAGGGCGCGGGTCAGGCTGTCGC CGAAATCTGCCGCCGGATCGAAATAGTCCAAAGCCTTGGTCATGAGCAGGTAAGTGTTGG CGTCGAACCGTCCGACGAATTTGTCGCCCTGATAGCGAAGATAGGATTCCACTTCAAATT CAACACCAAAGCCGTATTGATAACCGTTGGAACGCAAATCGCGTCCGAATTTTTTGCCTA AACCGTCTTCGGCAAGATAAGTGATGTGTCCCATCATGCGGGCAATCCGCAAGCCCCGTG CCTGACGCGCCACATCGTTAAACGCGATATTTTGCGTGGACAGTTTCGGCGCAGACGCAA TCACTAAAGCATGGCGCACGCGCTCGGGATAGGAAATCGTCCACTGCAAGGCCTGCATAC CGCCCAAGCTGCCACCGACAATCGCCGCCCATTGTTCGATACCGAGATAGTCGGCAAGCG CGGCTTGGGATTTTACCCAGTCCTTCACCGTAACCACCGGAAAATCCGCGCCGTATTCCC TGCCCGTTTCAGGATTAATCGACAAAGGCCCGCTGCTGCCGTCGCAGCCGCCCAGATTAT TCAAACCGACCACGAAAAAACGTTCCGTATCAATCGGTTTGCCAGGTCCGACCATATTGT CCCACCAGCCGTATATTTATCTTCCGCCGAATGCCTGCCCGCAACATGATGGTTGCCCG ACAGCGCGTGGCAGATTAAAACCGCATTGTTTTTTTCAGCATTCAGCTCGCCGTAGGTTT CAATCATCAGATCGAAACGCGGCAAAGTTTTACCGTTTTCCAAAACCAGCGGCATCTCAA ACGGAATTTTTTGGGGCATTACAATGCCCACCGAGGCATTTTGACTCATATCCTGTTCCA ACAAATGCGGCGAAAAGCGTTATTATATCGCAAACGGCATGACTTTTTGACACGGTCGGA CAAGCAGCCGGACGCGTTTGACCCTCATCCGCCGCACACGAATCATACTTTTTCAGACGA GCCGCGTTGATTATCAACCGCCTTTTCAGCCGCAGGCAAAAACGCGCCCTGCGCGAAGTC GCCGAAATCAGCGCATGGGTACTGCTCGGTGCAGCCGCCGCGATGCTGTTTTGGTATCTG TTTATGCTGTATTTCAAACACATTCCGGATTCGTATTGACGGAAAAAATGCCGTCTGAAA CGCATTTTTCTGTTTCAGACGGCATATTTGATGAAAAGGGCTTGCGGTAGGAGGTGCTTT ATAGTGGATTAACTTTAAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATTTGTACTG TCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATACAACCGAAGCAGGAA GGGCAGGGGGTCAGCGTTGGCGCGCTTTAAAACGCGGATTGCTTTTGCAGATGACGTAAA CTTTGCCCCTGCGCCTGACGATTTGGCAGTCGCGGTGGCGTTGTTTGGCGGTTTTGAGTG AAGACAGAACCTGCATTATTTGTCCTTTCTAAACGATGACATTACGGATTGGAAACGTTG GTTGAATTTGCTGGCACGGCCTTCGGTGTTGACGTTGCGCTGTTTGCCAGTATAGACGGG ATGGGATGCGGAAGAAGTATCCAGCGAAAACAGCGGATATTCTTTGCCGTCTGTCCAAAC CATCGTTTTTCCGTGTGTTTCGGCACAGGAGCGGATTAACCAGCCTTCATTGGCGCTGCT ATCGAAAAAAGGACGGTTCGGTAATTGTCGGGATGAATATTCGGTTTCATATATTGCCT TGCTTTCAGTGTTATAACATAACAAACTCTAGCATAGTTTAGAAGGGCTGTACAAGGAAA TTTAACTATTTTTGTAATATTAGAAATTTTCATGATAAATCTGAAAATTTTGAAATTG ACTCATGTTTGGCGCAACTTTATTATGTTGCCTGAAACATCATATAAAAGATAATAAAAG GTACGCAGCCATGAATTACGCAAAAGAAATCAATGCGTTAAATAACAGCCTTTCCGATTT GAAAGGCGACATCAACGTTTCATTCGAATTTTTCCCGCCGAAAAACGAACAAATGGAAAC CATGCTGTGGGATTCCATCCATCGCCTGCAAACCTTGCACCCGAAATTTGTTTCCGTAAC TTACGGTGCAAACTCAGGCGAGCGCGACCGCACACACGGCATCGTCAAACGCATCAAACA GGAAACCGGCTTGGAAGCCGCGCCTCACCTGACCGGTATCGACGCTTCTCCCGACGAATT GCGCCAAATTGCCAAAGATTATTGGGACAGCGGCATCCGCCGCATTGTCGCCCTGCGCGG AGACGAGCCGGCCGGTTATGAGAAAAAACCGTTTTACGCCGAAGACTTGGTTAAGCTATT ACGCTCCGTCGCCGACTTCGACATCTCTGTAGCAGCATATCCCGAAGTGCATCCCGAAGC GAAATCCGCACAAGCCGACCTGATTAATTTGAAACGCAAAATCGATGCGGGCGCGAACCA CGTCATCACCCAATTCTTCTTCGATGTGGAACGCTACCTGCGCTTCCGCGACCGCTGCGT GATGTTGGGTATCGATGTGGAAATCGTCCCCGGTATTTTGCCTGTTACCAACTTCAAGCA TGAAGGTTTGGACGACCAAGGTACGCGCAATCTGGTGGCGGCAAGTATCGCCATCGA TATGGTCAAAGTCCTGTCCCGCGAAGGCGTGAAAGATTTCCACTTCTATACGCTTAACCG CAGCGAGCTGACTTACGCCATTTGCGATATTTTAGGCGTGCGCCCTTAAAGCCGTATCAA ACAGTTTCAGACGGCATCTAAGGTGTCTAAAAAAGCAAAACACCGCCCCATCCGAGCCATT CTGATTTACAATACCGGCCGATTCGGATTGAACCGGTCCTTACAAAATCCAACTGGAGAG TTCAACATGACAACATTACATTTCTCAGGCTTCCCGCGTGTCGGCGCCTTCCGCGAATTG GCTAAAGACTTGCGCGAGAAAAACTGGAAACACCAGGTCGCCGACGCCGATTTCGTT GCCGTAGGCGATTTCACTTTCTACGACCACATCCTCGACCTGCAAGTCGCCACCGGCGCG ATTCCCGCCCGCTTCGGCTTCGACAGCCAAAACCTGTCTTTGGAACAATTCTTCCAACTG GCGCGCGTAACAAAGACCAATTCGCTATCGAAATGACCAAATGGTTCGACACCAACTAC CACTACTTGGTGCCTGAATTCCACGCCGATACCGAATTCAAAGCCAATGCCAAACACTAT CCGTTGACTTTCCTGTGGGTGGGTAAAGAAAAAGGCGCCGTCGAATTCGACCGTCTGAGC CTGTTGCCTAAACTGTTGCCTGTTTACGTTGAAATCCTGACTGCTTTGGTTGAAGCCGGT GCCGAGTGGATTCAAATCGACGAGCCTGCTTTGGCTGATTTGCCTAAAGAATGGGTG CTGCACATCGACTTGGTACGCGCCCCCGAGCAACTGGACGCGTTCGCCGACTACGACAAA GTCCTGTCTGCCGGCGTGATTGACGGCCGCAACATTTGGCGCGCCAACCTGAACAAAGTT TTGGAAACTGTCGAGCCTCTGCAAGCCAAACTGGGTGACCGTTTGTGGATTTCCAGCTCT TGCTCGCTGCTGCACACTCCATTTGACTTGTCAGTTGAAGAAAAACTGAAAGCCAACAAA CCCGACCTGTACTCTTGGTTGGCATTCACCCTGCAAAAAACCCAAGAATTGCGCGTTCTG GCTGCCGACTCCCGTGCCAACAGCAGCGAAATCCATCGTGCAGACGTTGCCAAACGCCTG GCCGATTTGCCTGCCAACGCAGACCAACGCAAATCTCCATTTGCCGACCGTATCAAAGCG CAACAAGCATGGTTGAACCTACCTCTGCTACCGACTACCAACATCGGTTCTTTCCCGCAA ACCACCGAAATCCGCCAGGCACGCTCAGCCTTCAAAAAAGGCGAACTGTCTGCCGCCGAT TACGAAGCCGCGATGAAAAAAGAAATCGCCTTGGTGGTTGAAGAGCAAGAAAAACTGGAC TTGGACGTACTGGTACACGGCGAAGCCGAGCGTAACGACATGGTTGAATACTTCGGCGAA TTGTTGAGCGGTTTTGCATTCACTCAATACGGCTGGGTACAAAGCTACGGCTCACGCTGC GTGAAACCACCGATTATCTTTGGCGACGTAAGCCGTCCTGAAGCCATGACCGTGGCTTGG TCTACTTACGCACAAAGCCTGACCAAACGCCCGATGAAAGGTATGTTGACCGGCCCTGTA ACCATTCTGCAATGGTCTTTCGTCCGCAACGACATTCCTCGCTCTACCGTGTGCAAACAA ATCGCACTGGCTCTGAACGACGAAGTATTGGATCTGGAAAAAGCCGGCATCAAAGTCATC CAAATTGACGAACCTGCCATCCGCGAAGGCTTGCCGCTGAAACGCGCCGATTGGGATGCC TACCTGAACTGGGCGGCGAATCCTTCCGCCTGTCCTCTGCCGGTTGCGAAGACAGCACC **ATGGATGCGGACGTGATCACCATCGAGACTTCACGTTCCGACATGGAACTCTTGACCGCG** TTCGGCGAATTCCAATACCCGAACGACATCGGCCCGGGGGTTTACGACATCCACAGCCCG CGCGTACCGACAGAAGCCGAAGTGGAGCACCTGTTGCGCAAAGCCATCGAGGTTGTACCG CTGGAACAACTCCAAGTAATGATGAACGTAACCCGAAAACTGCGTGCCGAATTGGCGAAA TAAGCCGAGACCGTATGAATAAATACCGTCTGAAAGCCTTTCAGACGGTATTTTGTCCTG ATTTGCGGCGCAAGGGCGCAGTTGCCGGAAAATCTTTTCATTGCAGCTTGTTTTTTTCTA ATTCGGCTTTATATGTGGGAAACAGGCAAATCGGAGTTGTGTTTGATAGTTTTAAATAAT TTATATTATTTGAACTATAAATTATACAAATCATTTTGCATGGGGTAGAATGCCCAGCGA TTCACAATTATTTCTCAAACCAATCTATTAAGGAGCTTAAAATGGCTTTGCAAGATCGTA CCGGTCAAAAAGTACCTTCCGTAGTATTCCGCACCCGCGTCGGCGACACTTGGAAAGATG TGTCTACCGATGATTTGTTCAAAGGCAAAAAAGTAGTCGTATTCTCCCTGCCCGGTGCAT TTACCCCGACTTGTTCTTCTCACACCTGCCGCGTTACAACGAATTGTTCGGCGCGTTCA AAGAAAACGGCGTTGACGCAATCTACTGCGTATCTGTAAACGATACGTTCGTAATGAACG CTTGGGCTGCCGAAGAAGAATCCGACAACATCTACATGATTCCTGACGGCAACGGCGAAT TTACCGAAGGTATGGGTATGCTGGTCGGTAAAGAAGACTTGGGCTTCGGTAAACGCTCTT GGCGTTACTCCATGCTGGTTAACGACGGCGTGGTTGAAAAAATGTTCATCGAACCTGAAG AACCGGGCGATCCGTTCAAAGTATCCGATGCAGATACTATGCTGCAATTCGTTGCTCCCG ATTGGAAGGCTCAAGAGTCTGTGGCAATTTTCACTAAACCAGGTTGCCAATTCTGCGCTA AAGCCAAACAAGCTTTGCAAGACAAAGGTTTGTCTTACGAAGAAATCGTATTGGGCAAAG ATGCAACCGTCACTTCCGTTCGCGCCATTACCGGCAAGATGACTGCCCCTCAAGTCTTCA TCGGCGGTAAATACATCGGCGGCAGCGAAGATTTGGAAGCTTACTTGGCTAAAAACTGAT AGCTGTTTGCTTAAGGCGGTTTAATTAAACTGTCTGATATACCGGATAGAGTTATTCGGG CGGTTCTACACTACCGCTCCGAATAACTCTATATTTATAAGAGAATTTGGATATTGTTGC **ACTCAATCGAAATTTTGTTTTTATTTATCTGAATGATGTTTTTGATTGGGAAAATATTTA AATGCCGTCTGAAACCGATATGTTCTGTGTCGGCAATGTTTCAGACGAAAACGGAAGGAC AAAGATTATGAAAAAATTCAAGCGGATGTCGTCGTAATCGGCGGCGGTACTGCCGGTAT GGGTGCGTTTCGCAATGCCCGTTTACATTCGGATAATGTTTACCTGATTGAAAACAATGT** GTTCGGCACGACCTGCGCGCGCGTGGGCTGTATGCCTTCCAAACTCTTGATTGCCGCCGC AGAGGCGCGTCATCACGCATTGCATACCGACCCGTTCGGCGTGCATTTGGACAAAGACAG CATCGTCGTCAACGGTGAAGAGGTCATGCAGCGCGTTAAATCCGAGCGTGACCGTTTTGT CGGCTTTGTCGTTGCCGATGTGGAAGAGTGGCCTGCCGACAAGCGCATTATGGGTTCGGC TAAATTTATCGACGAGCATACCGTCCAAATCGACGAGCATACTCAAATTACGGCAAAAAG TTTCGTGATTGCTACCGGTTCGCGTCCCGTCATCCTGCCGCAATGGCAGTCTTTGGGCAA TCGTTTGATTATCAACGATGACGTTTTCTCATGGGATACGCTGCCTAAGCGCGTTGCCGT GTTCGGGCCGGGTGTTATCGGTTTGGAACTGGGTCAGGCATTGCACCGTTTGGGCGTGAA AGTTGAAATTTTCGGTTTGGGCGGAATCATCGGCGGCATTTCCGACCCCGTCGTTTCAGA CGAGGCGAACGCCGTGTTCGGCGAAGAATTGAAACTGCATCTGGATGCTAAAACCGAGGT CAAACTCGATGCAGACGCAATGTAGAAGTCCATTGGGAGCAGGATGGCGAAAAAGGCGT ATTTGTTGCCGAATATATGCTGGCAGCCGTGGGCCGCCGTCCGAACGTTGACAATATCGG TTTGGAAAATATCAATATCGAAAAAGATGCGCGCGGCGTACCTGTTGCCGACCCGCTGAC GCTGCATGAAGCTGCCGACCAAGGCAAGATTGCCGGCGATAACGCGGGCCGCTACCCGAA TATCGGCGGCGGTTTGCGGCGCAGCACCATCGGCGTGGTGTTTACCAGTCCGCAAATCGG CTTTGTCGGTCTGAAATACGCGCAGGTTGCCGCGCAATACCAAGCCGACGAATTTGTCAT CGGCGAAGTATCGTTCAAAAACCAAGGCCGCAGCCGCGTGATGCTGGTGAACAAAGGCCA TATGCGCCTGTATGCCGAAAAAGCCACCGGCCGCTTTATCGGCGCGGAAATCGTAGGCCC TGCCGCCGAACATTTGGCGCACCTGTTGGCTTGGGCACATCAAATGAAGATGACCGTTCC GCAAATGCTGGATATGCCGTTCTACCATCCCGTTATCGAGGAAGGTCTGCGTACCGCGTT GCGCGATGCCGAAATTGAAAGCCTGACCGATATGGCAAAACAATGCCGTCTGAAA TTTTTCAGACGGCATTTTGTTTTTGGGGATGGGGTCGGATGCTGATACCGTGTCGGGAA GGGGGCGCAAAACTAAAAATCTTTCTTTTAATCTGCTGTTTCCACGCGTGTTTGTCAAA ATCTATCAGTTTGTTTTTAAAATACACTGTTCAAAATGGGATAAAACAGGTAAATTAACG

TTTATGTAACCCAGTGTAGCAATGGGTTTACGGTTTTTGAGTCGATATATAACTACAGAG GAATTGACTATGTCTGCCAAACCGCGTCCTGTTTATCTGGATTTGCCGAACATCCGTCTG CCGATACCCGGGATAGTTTCCATCCTTCACCGCATCAGCGGGGTCGGGCTGTTTATTATG CTGCCTTTCCTGCTGTATTTCCTGTCCGGTACCCTGAGTCAAGAGTCTGCATTTGAAACT TACCGTGCCATTGTTTCCCATCCTTTGGTCAAGCTGGTTTTAATCGGTGTATTGTGGGCT TATCTGCACCATTCTCTCGCCGGTATCCGCTTTTTATTTTTGGATGCGCACAAAGGCCTT GAGCTGAATACTGCGCGCAATACCGCTAAAGCCGTATTTGCTTCTGCATTGGTTTTGACT GTCGTTTTGGGAGCGTTGTTATGGTAGAACGTAAATTGACCGGTGCCCATTACGGTTTGC GCGATTGGGTGATGCAACGTGCGACTGCGGTTATTATGTTGATTTATACCGTTGCACTTT CTTGGGTAAAAGTATTTACCCAAGTGAGCTTCATCGCCGTATTCTTGCACGCTTGGGTGG TTGCCACCATCGTTTGGCTGGTCGGCTGTCTCGTGTATTCAGTTAAAGTGATTTGGGGGT AAGTATGGGTTTTCCTGTTCGCAAGTTTGATGCCGTGATTGTCGGCGGTGGTGGTGCAGG TTTACGCGCAGCCCTCCAATTATCCAAATCCGGTCTGAATTGTGCCGTTTTGTCTAAAGT GTTCCCGACCCGTTCGCATACCGTAGCGGCGCAGGGCGGTATTTCCGCCTCTCTGGGTAA TGTGCAGGAAGACCGTTGGGACTGGCACATGTACGATACCGTGAAAGGTTCCGACTGGTT GGAACACATGGGTATGCCTTTTGACCGTGTGGAAAGCGGTAAAATTTATCAGCGTCCTTT CGGCGGCCATACTGCCGAACACGGTAAACGCGCGGTAGAACGCGCCTGTGCGGTTGCCGA CCGTACAGGTCATGCGATGCTGCATACTTTGTACCAACAAAACGTCCGTGCCAATACGCA ATTCTTTGTGGAATGGACGGCACAAGATTTGATTCGTGATGAAAACGGCGATGTCGTCGG CGTAACCGCCATGGAAATGGAAACCGGCGAAGTTTATATTTTCCACGCTAAAGCTGTGAT GTTTGCTACCGGCGGCGGCGGTCGTATTTATGCGTCTTCTACCAATGCCTATATGAATAC CGGCGATGGTTTGGGTATTTGTGCGCGTGCAGGTATCCCGTTGGAAGACATGGAATTCTG GCAATTCCACCCGACCGGCGTGGCGGGTGCGGGCGTGTTGATTACCGAAGGCGTACGCGG CGAGGGCGGTATTCTGTTGAATGCCGACGGCGAACGCTTTATGGAACGCTATGCGCCGAC CGTAAAAGACTTGGCTTCTCGCGACGTTGTTTCCCGCGCGATGGCGATGGAAATCTACGA AGGTCGCGGCTGCGGTAAAAACAAAGACCATGTCTTACTGAAAATCGACCATATCGGCGC AGAAAAATTATGGAAAAACTGCCGGGCATCCGCGAGATTTCCATTCAGTTCGCCGGTAT CGATCCGATTAAAGACCCGATTCCCGTTGTGCCGACTACCCACTATATGATGGGCGGCAT TCCGACCAATTACCACGCGAAGTTGTCGTTCCGCAAGGTGAAGATTACGAAGTGCCTGT AAAAGGTCTGTATGCGGCAGGTGAGTGCGCTTGTGCTTCCGTACACGGTGCGAACCGCTT GGGTACCAACTCCCTGTTGGACTTGGTGGTATTCGGTAAAGCTGCCGGCGACAGCATGAT TAAATTCATCAAAGAGCAAAGCGACTGGAAACCTTTGCCTGCTAATGCAGGTGAGTTGAC CCGCCAACGTATCGAGCGTTTGGACAACCAAACCGATGGTGAAAACGTTGATGCATTGCG TCGCGAACTGCAACGCTCTGTACAACTGCACGCCGGCGTGTTCCGTACTGATGAGATTCT GAGCAAAGGCGTTCGAGAAGTCATGGCGATTGCCGAGCGTGTGAAACGTACCGAAATCAA AGACAAGAGCAAAGTGTGGAATACCGCGCGTATCGAGGCTTTGGAATTGGATAACCTGAT TGAAGTGGCGAAAGCGACTTTGGTGTCTGCCGAAGCACGTAAAGAATCACGCGGTGCGCA CGCTTCAGACGACCATCCTGAGCGCGATGATGAAAACTGGATGAAACATACGCTGTACCA TTCAGATATCAATACCTTGTCCTACAAACCGGTGCACACCAAGCCTTTGAGCGTGGAATA CATCAAACCGGCCAAGCGCGTTTATTGATGCGTTTTCAGACAGTCTTCGCCTCAAAGGTC GTCTGAAATCTAACCATACCCACATTGAACTGCTTGAATTTATAATACAAAATCATTGGG CAGTTGATGAGAAAAGGAACACTTCTCATGGAAAAAATGAGTTTTGAAATTTACCGTTAC AACCCGGATGTTGATGCCAAGCCTTATATGCAGCGTTACGAGTTGGAATTGGAACCGACC GACGTGAAACTTTTGGATGCTTTGGTACGCCTGAAAGCACAAGACGATACCTTGTCTTTC CGCCGCTCCTGCCGCGAAGGCATTTGCGGATCGGACGGTATGAACATCAACGGCAAAAAC GGCTTGGCGTGTTTGACCGATCTGCGTGGCTTGAAACAGCCAGTTAAAATCCGTCCTCTG CCAGGTCTGCCTGTTATCCGCGACCTGATTGTGGATATGACCCAGTTCTTCAAACAATAC CATTCCGTCAAACCTTATGTTGTCAACGATAATCCGATTGATGCGGACAAAGAGCGTCTG CAAACTCAGGAAGAGCGTAAAGAGTTGGACGGTTTGTACGAGTGTATTTTGTGCGCCTGC TGTTCGACTGCCTGCCGTCATTTTGGTGGAACCCTGATAAATTCGTCGGTCCGGT TTGCTGAATGCTTACCGTTTCATTGCGGACAGCCGTGATACCATCACTAATGAGCGTTTG GATAATCTGAACGACCCATACCGTTGTTCCGTTGCCACACCATTATGAACTGCGTAGAC GTATGTCCTAAACACTTGAATCCGACCCGAGCCATCGGTAAGATTAAAGAGATTATGTTG AAACGGGCCGTTTAAGAAATGATGGTTTTTGACGATATTGCCAAACGGAAAATCCGTTTT CAAACCCGCCGGGGATTGTTGGAATTAGATTTAATCTTCGGCAGGTTTATGGAAAAAGAA TTCGAGCATTTGAGCGATAAAGAGCTGTCCGAGTTTTCCGAAATCCTTGAATTTCAAGAT CAAGAATTGCTTGCCTTGATTAACGGGCATTCGGAAACGGACAAAGGGCACCTTATCCCG AATGCAAAAGCCGTCTGAAGGCAAAGAACGTGCTGCGGATGCAGTAACGTGGGTTATAAC TTGGAGCTGCCGGTATTGGAAGCCAGCATCGGGCACGATGTGGTTGACATTCGGGGGCTG ACAAAAAATACAGGTTTGTTTTCCTTCGACCCCGGATTTGTTTCAACCGCAAGCTGTGAG TCTAAAATTACTTACATCGACGGCGATCAAGGCTTGCTTTATTATCGCGGATACCCCATC GAGCAGCTGGCCGAAAAGTCCGATTATTTGGAAGTCTGCTACCTGTTGATTTACGGCGAA CTGCCGACTCCCGAGCAAAAGGCAGAATTTGACAATACCGTCCGCCGCCACACGATGGTG CATGAACAGCTGACTTGGTTCTTCCGGGGGTTCCGCCGCGACGCGCATCCGATGGCGATG ATGGTCGGCGTGGTCGGCGCACTGTCTGCGTTCTACCAAGACAGCTTGGACATTAGCAAT CCCGAACACCGCAAAATCGCGATTTACCGCCTGATTTCTAAAATCCCGACCATTGCGGCA TCCGAAAACTTCCTTCATATGATGTTCGCCACGCCGTGTGAAGACTACAAACCCAATCCC GTTTTGGCACGCGCTCGACCGCATCTTTATTTTGCATGCCGACCACGAGCAAAACGCC TCAACTTCAACCGTCCGTCTGGCAGGGTCTTCGGGTGCGAACCCGTTTGCCTGTATTGCT

ATGTTGGACGAAATCGGCGATGTGTCTAATGTTGCCGCATACATGGAAGGTGTGAAACAA CGCAAATACCGTCTGATGGGCTTCGGTCACCGCGTGTACCGCAATATGGATCCGCGTGCC AGCATTATGCGCGAAACCTGCTATGAAGTTTTGAAGGAATTGGGCTTGGAAGACAGTCCG AAATTCAAACTGGCGATGGAATTGGAACAGATTGCGCTGAAAGACCCGTTCTTTATCGAA CGCAAACTGTATCCAAACGTCGATTTCTATTCCGGCATCGTCCTGTCCGCGCTGGGCATC CCGACCGAAATGTTTACCGTCATCTTCGCCCTGTCGCGCAGCGTGGGCTGGATTTCGCAC CAAACAGGCAATATCAGAGAACCGGATTGTTTCCCGAATCCGTCTGATTGTAGTCGGATG AAATCAAGACAAGCAATCCGGTTTAAAATAGGGTAGAATAAAATGTCTTTTCAGGCGGCA TCAGTTTAGCCGTCAGGACGCGGACTTCTACCCTTTGTTTATATTTTAAAGAAAAGAGCG CACGCCATGATGGACGAAAAACTCAATTTCTCTTACCTGTTCGGTTCAAACGCACCTTAC ATTGAGGAATTGTACGAGGCTTTTTTGGAAAACCCCGATGCGGTTGATGAAAAATGGAAG CCGATTCGCGAATCATTTGTTACTTTGGCGAAAAAGAAAATTGCATCTGCCGTTGCGGGC GGTGCGGATGAGGCAATGCTGAAAAAGCAAGTCAGCGTTTTACGGCTGATTTCCGCCTAT CGTATCCAAGGCGTGGGTGCAGCCCAACTTGATCCGCTCAAACGTATCCCCCCGCGCGAT ATTGAAGCCCTCGATCCGAAATTCCACGGTCTGTCAGATGCCGATATGGCGCTTCAATTC AATATGGGCGAGGGCGATTTTGCCAATCGCGGCAAACTGCCTTTGTCCCAAATCATCAGC **AACCTCAAACAAACCTACTGCGGCCACATCGCATTGGAATATATCTATATTCCCAATACC** GAAGAGCGCCGCTGGGTACGCAATTATTTTGAAAGCGTATTGTCCACACCGCATTACAAT GCCGATCAAAAACGCCGTATCTTGAAAGAGATGACTGCTGCCGAGACTTTGGAACGTTAT CTGCATACCAAATATGTCGGTCAGAAACGTTTCGGTGTCGAAGGCGGCGAAAGCGCGATT GCCGGTTTGAACTACCTGATTCAAAACGCCGGTAAAGACGGTGTGGAAGAGGTCATCATC GGTATGGCGCACCGTGGCCGTCTGAATGTTTTGGTGAACATTTTGGGCAAAAAACCCCGGC GATTTGTTTGCCGAATTTGAAGGTCGTGCCGAAATCAAACTGCCCAGCGGCGACGTGAAA TACCATATGGGCTTCAGCTCCGATATTGCCACGCCGCACGGCCCGATGCACGTTTCTTTG AAACAAAAACGTTTGGGCGAAAACGGCCGCGACAAAGTCTTGCCGGTATTGATTCACGGC GACTCCGCATTTATCGGTCTGGGAGTCAACCAAGCGACATTCAACCTGTCTAAAACGCGC GGTTATACCACCGGCGGTACGGTTCATATCGTCATCAACAACCAAATCGGCTTTACCACT TCCGATATCCGCGATACCCGTTCAACCGTACACTGTACCGATATCGCAAAAATGGTTTCC GCCCGGTTATCCATGTGAACGCGATGATCCCGAACGCGTTTGCTTTGCTATCCAAGCC GCTTTGGATTACCGCAAAAATTCCATAAAGACATCGTGATTGACGTTGTCTGCTACCGT AAATGGGGTCACAACGAGGGCGATGATCCGACCTTGACCCAACCGATGATGTACAAAAAA GTATCGCAACACCCCGGTGCGCGTGCTTTGTACACCGAGCAACTGATTGCCGAAGGCGTG GTAACCCAAGCCGAGGCTGACGGTTACATCCAAGCTTACCGTGATGCTTTGGACAAAGGC CGTCTCACTGAGAAGTTTACCGCCGTACCGGAAGGCTTTGCCCTGCATCCGACTGCAAAA CGTGTGATTGAAGCGCGTAAAGCCATGGCATCCGGCAAACAGGCCATAGATTGGGGTATG GAGGACTCGGGACGCGCACGTTCTCGCACCGCCACGCCGTATTGCACGATCAAAAACGC GAAAAATGGGACGACGCTACTTATGTTCCTCTGCGCCATATGGGCGAAGGCATGGGCGAG TTCCTGGTTATCGACTCCATTTTGAACGAAGAAGCCGTGATGGCGTTCGAGTACGGCTTT GCCTGCTCCGCACCTGACAAACTGACCATTTGGGAAGCTCAATTCGGTGACTTCGCCAAC GGCGCGCAAGTGACTATTGACCAATTCCTGTCTTCAGGCGAAACCAAGTGGGGTCGTTTG TGCGGTCTGACTACCATCCTGCCGCACGGCTACGACGGTCAAGGCCCCGAGCACTCTTCT GCACGCGTAGAACGTTGGTTGCAACTGTGTTCTGAGAACAATATGCAAGTCATTATGCCG TCTGAAGCGTCGCAAATGTTCCACCTCTTGCAACGTCAAGTCTTGGGTTCATACCGCAAA CCGCTGGTGATTTTCATGTCCAAACGCCTGTTGCGCTTCAAAGGTGCAATGAGCCCGCTG GAAAACTTCACCGAAGGTTCGACCTTCCGTCCGGTTATCGGCGATACCGCAGAACGCGCA AGCAACGACAGCGTGAAACGCGTGGTATTGTGTGCCGGTCAGGTTTACTATGACTTGGAA GCCGGCCGTGCCGAGCGTAAACTGGAAGATGATGTTGCTATTGTCCGCGTTGAGCAGCTG TATCCGTTCCCATATGACGAGGTTAAAGCTGAACTGGCGAAATATCCGAACGCAAAATCT GTGGTTTGGGCACAAGAAGACCGAAAAACCAAGGCGCGTTCTACCAAATCCGCCACCGC ATCGAAGATGTTATTAGCGAAGAGCAAAAACTGTCTTATGCCGGTCGTCCAAGCAGCGCA TCGCCTGCAGTGGGCTACTCAAGCAAACACATTGCTCAATTGAAACAATTGGTTGAAGAC GCTTTGGCATTGTAAACCAAGTAGCATTCCGTCTGAGTCTGCTCAGATGGAATGCCCATA TGCAGAATTAAAAACACACAACAGGCCGTCTGAAAGGGCCATTGGAGACACAAAATGATT ATTGATGTAAAAGTACCTATGTTGTCTGAAAGCGTATCTGAAGGCACGCTCTTGGAATGG AAGAAAAAGTTGGCGAAGCCGTTGCCCGTGACGAAATCCTGATCGATATCGAAACGGAC AAAGTGGTTTTGGAAGTACCTTCTCCACAAGCCGGCGTATTGGTTGAAATCGTAGCTCAA GACGGTGAAACCGTTGTTGCCGACCAAGTTTTGGCGCGCGTCGATACAGCTGCTACTGCC GCTGCTGAAGCCCCAGCCGCCGCTCCTGCAGAAGCTGCCCCAGCTGCCGCTCCTGCTGCT ACACAAAACAACGCCGCTATGCCTGCCGCCAAACTGGCTGCCGAGACCGGTGTTGAC GTGAACGCATTGCAAGGTTCCGGCCGTGACGGTCGCGTATTGAAAGAAGACGTACAAAAT GCCGCTGCCAAACCTGCCGGAGCCGCTGCTCCTGCTGTTGCACTTCCTGCCGGCGCACGT CCTGAAGAACGCGTACCAATGAGCCGCCTGCGTGCCCGTGTTGCAGAACGCCTCTTGGCT TCTCAACAAGAAACGCCATTCTGACTACATTCAACGAAGTCAACATGAAACCAATCATG GACTTGCGTGCGAAGTACAAAGAAAATTCGAGAAAGAACACGGCGTGAAACTGGGCTTT ATGTCCTTCTTCGTTAAAGCCGCTGTTGCCGCCCTGAAAAAATACCCGGTTGTGAATGCT TCTGTTGACGGCAAAGACATCGTGTACCACGGCTACTTCGACATCGGTATCGCAATTGGC AGCCCACGCGGTTTGGTTGTGCCAATTCTGCGTGATGCCGACCAAATGAGCATTGCCGAC

ATCGAACAAGCAATTGTTGATTACGCGAAAAAAGCCAAAGACGGCAAAATCGCTATCGAA GATCTGACCGGCGGTACATTCAGTATTACCAACGGCGGTACTTTCGGTTCTATGATGTCT ACCCCGATCATCAACCCACCTCAATCTGCGATTTTGGGTATGCACGCCACTAAAGAGCGC GCTGTGGTTGAAAACGGCCAAGTTGTTGTCCGTCCGATGATGTATCTGGCTCTGTCTTAC GACCACCGTATCATTGACGGCCGCGAAGCTGTATTGACCTTGGTAGCCATTAAAGACGCG TTGGAAGACCCGGCCCGCTGTTGTTGGATCTGTAATCGTTTCAGACGGCCTTTTATTTG TTAATGAAAAGGCCGTCTGAATTTTTATAGTGGATTAAATTTAAACCAGTACGGCGTTGC CTCGCCTTGCCGTACTATCTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTAAATT TAATCCACTATATTTAGATGTAGCGTAATGTAGTATCGTGCTACAATAGGCTCAACGAAC GATTGAGGCCGTCTGAAACATTTGATTCGAATGAATCGGCAGATATGGACTTTCAGACGG CCTTTTCTTAAAACCATCAAAACGCAGTCATTCAAAATAAAAAAGAAACAAAAAGTATCG TTTTTATTTTGAGATACTGTTAAAAGCAAAGGATGACACGATGTCTCAATATGATGTAGT AGTGATTGGTGCAGGCCCGGGTGGATACGTTGCCGCCATCCGTGCCGCGCAACTGGGTTT CAAAACCGCTTGCGTCGATGCAGGCGTTAACAAAGCAGGCAATGCCCCTGCATTGGGCGG TACTTGCTTGAACGTAGGCTGTATCCCTTCTAAAGCCCTGTTGCAATCCAGCGAACATTT CCACGCTGCGCAACACGAGTTTGCCGAACACGGTATCACTGTCGGCGACGTAAAATTCGA CGCGGCCAAAATGATTGAGCGCAAAGATGCCATCGTGACCAAGCTGACCGGCGGCGTCAA ATTCCTGTTCCAAAAAAATAAAGTAACCAGCCTGTTCGGTACGGCTTCCTTTGCCGGTAA AAATGGCGATGCTTACCAAATCGAAGTCGATAACAAAGGCGAGAAAACCGTTATCGAAGC CAAACACGTCATCGTAGCCACCGGTTCCGTACCGCGTCCGCTGCCACAAGTCGCTATCGA CAATGTGAACGTATTGGACAACGAAGGTGCATTGAACCTGACCGAAGTACCTGCCAAACT CGGCGTGATCGGTTCCGGCGTGATTGGTTTGGAAATGGGTTCCGTATGGAACCGCGTGGG TGCGGAAGTTACCATTCTTGAAGCCGCGCCGACTTTCCTGGCTGCCGCCGACCAACAAAT CGCCAAAGAAGCCTTCAAATACTTCACCAAAGAGCAAGGTCTGAGCATCGAATTGGGCGT GAAAATCGGCGACATCAAGTCTGAAGGCAAAGGTGTTTCCGTTGCTTACGAAACTGCTGC TGGCGAAGCCAAAACCGAAGTATTCGACAAACTGATCGTTGCCATCGGCCGTATTCCAAA CACCAAAGGCCTGAACGCGGAAGCCGTAGGCTTGGAAAAAGACGAGCGCGGCTTTATCAA AGTAGATGGCGAATGCCGTACCAACCTGCCTAACGTATGGGCAATCGGCGACGTGGTTCG CGGCCCGATGTTGGCACACAAAGCCAGCGACGAAGGCGTTGCCGTTGCCGAACGCATTGC CGGTCAAAAACCGCATATCGACTTCAACAACGTACCGTTCGTGATTTACACCGATCCTGA AATCGCTTGGGTGGGTAAAACCGAAGAGCAGCTCAAAGCCGAAGGCGTGGAGTACAAAAA AGGTACTTCAGGTTTTGGTGCGAATGGTCGCGCATTGGCAATGGGCAAAGCCAAAGGTAC GGTTAAAGTGTTGGCAGATGCCAAAACCGACCGCATCTTGGGCGTACACATGATTGGTCC GGTTGTCAGCGAATTGGTTACCGAAGGCGTGACTGCGCTCGAATTCTTCGCCAGCAGCGA AGACATCGCCCGCATTATCCATGCCCACCCAACCTTGTCCGAAGTGGTTCACGAAGCTGC ATTGGCGGCCGACAAACGCGCTTTGCACGGTTGATAGACATTAAGGCCGTCTGAAATTTT TCAGACGGCCTTAAGGCCTTCGACAAATTGAATGTTCCGAGAGCTCCGTTTTCTGATTTA TAATTCCGTCAGACAAACAACAGCATTTACATTCATTATGAACAAAGAAATAGTCGGTA TTTTCTTTATACCGGCGGCATCATCAGCATGTGTATGGCCGCATTGTGGCAGATGTATG TGATGATGACCGAAACTTATACGCTCAACCGTTTCAAAGATAAAGAATTGGTTTGGCGCG TGGCATTGTTGTTTATCAGTTTCAGCCTTGCCGTTTATCTGCTCTGTCCGAATTCGCGTA AAAAAGGCATCGTCTTTTTTATTCTCGGGGGAGGCGGTGCAGCCATGTATCTGCTGGCGC GGATGTGGTTGCCTTTCAGCAAGTGAAACGACGATTTTCCGACCGCCGAAAGGTAGTCTG AAACGCACGGGCTTGCCATTTGGAGGCAGACTCGGGGCATTCCACTAATCTAAAGGAGAA ACAAGGCGGTATTTTGGCACACAACGGCGAAGAAGCCGCTGCAGCTTACGACAAATTGGG CGTAAAAGTCGTTAAAAGCCGCGAAGAAGCTAAAGAAGTGGCTGAAAGCCTGATTGGCAC CAACTTGGTAACTTACCAAACCGATGCCAACGGCCAACCTGTCAACAGTGTTTTGGTTTG CGAAGACATGTATCCGGTTCAAACCGAGCTGTACTTGGGCGCAGTGGTTGACCGTTCTAC CCGCCGCATTACATTCATGGCCTCTACCGAAGGCGGCGTGGAAATCGAAAAAGTTGCTGC CGAAACTCCTGAAAAAATCTTCAAAGTAACCGTTGATCCGCTGGTCGGCCTGCAACCTTG CAAACTGATGACCGGTGCGTACAAAGCGTTTGTCGAAAATGACTTCGCCCTGTTTGAAGT CAACCCGCTGGCAGTTCGCGAAAACGGCGCGCTCGCCTGCGTGGACGGCAAAATCGGCAT CGACAGCAACGCGCTCTACCGCCTGCCGAAAATCGCCGAATTGCGCGACAAATCTCAAGA AAACGAACGCGAGTTGAAAGCTTCTGAATTTGACCTGAACTATGTTGCCCTGGAAGGCAA CATCGGCTGTATGGTGAACGGTGCCGGTTTGGCGATGGCCACTATGGACATCATCAAACT GAAAGGCGGCCAACCTGCCAACTTCTTGGACGTTGGCGGCGGCGCAACCAAAGACCGCGT GGTTGAAGCGTTCAAACTGATTCTGGAAGACAAATCCGTTCAAGGCGTATTGATCAACAT CTTCGGCGGTATCGTACGTTGCGACATGATTGCGGAAGCCATCGTGGCAGCCGTTAAAGA AATCAACGTCAACGTTCCTGTCGTTGTTCGTTTGGAAGGCAACAACGCCGAACTCGGCGC GAAAATCCTGAACGAATCAGGTCTGAAACTGACTTCTGCAGACGGCCTGAATGACGCAGC CGAAAAAATTGTTGCAGCCGTAAACGCCTAAGGAGAAAAGAATGAGCGTATTGATTAATA AAGACACTAAAGTATTGGTTCAAGGTTTCACCGGTAAAAACGGTACTTTCCACTCCGAAC AAGCTCTGGCTTACGGCACTAAAGTTGTCGGCGGCGTTACCCCGGGCAAAGGCGGTCAAA CCCACCTGAACCTGCCCGTGTTCAACACCATGAAAGAAGCCGTTAAAGAAACCGGCGCGG ATGCATCCGTGATTTACGTTCCTGCTCCGTTTGTGTTGGATTCTATCGTTGAAGCAGTTG ATTCAGGCGTAGGCTTGGTCGTTGTGATTACCGAAGGCGTGCCGACTTTGGACATGCTCA AAGCCAAACGCTACTTGGAAACCAACGGTAACGGAACACGTTTGGTCGGCCCTAACTGCC CGGGCGTGATTACTCCGGGCGAGTGCAAAATCGGCATTATGCCGGGCCACATCCATACTC CCGGCCGCATCGGCATCATTTCCCGTTCCGGTACATTGACTTACGAAGCCGTGGCACAAA CCACCAAACTGGGCTTGGGTCAATCAACCTGTATCGGTATCGGCGGCGACCCGATTCCGG GTATGAACCAAATCGACGCACTGAAACTTTTCCAAGAAGACCCGGATACCGACGCCATCA TCATGATCGGTGAAATTGGCGGTACTGCGGAAGAAGAAGCAGCCGAATACATCCAATCCA

ACGTAAGCAAACCTGTTGTCGGCTATATCGCCGGTGTTACCGCACCTAAAGGCAAACGCA TGGGTCACGCCGGTGCGATTATCTCCGGCGGCAAAGGTACTGCGGAAGAAAATTCGCCG CTTTCGAAAAAGCCGGTATCGCTTACACCCGCAGCCCTGCCGAGTTGGGCACTACCATGC TGGAAGTGTTGAAAGCAAAAGGTTTGGCATAATCAGGTTTGACAACTGATTGAACATCAA GGCAGCCTCAACATACCCACATTATTTTTGCCCTTTTGGGGCAGTCAGAGACCTTTGCAA **AATTCCCCAAAATCCCCTAAATTCCCTAAATTCCCACCAAGACATTTAGGGGATTTTGGG** GAATTTTGCAAAGGTCTCGGGCTAAGTGTGCCTGTTTGCGCCTAAAAGGCGGCCCGGATG CCTGATTATCGGGTATCCTGGGAGGATTAAGGGGGTATTGGGGTAAAATTAGTGGATATT TTGCAAAGCTCTCGTATTGGCTTTGAAGTTCCGTGTAATTCACAGGTAGGGCGTGTGGCA CAGCCACGCACGCGTTCGGTTTGGTATGCAGGCTACGGCTTTCTCTGTTGAAACTGCAAC GTTCTTAAATGGAGTACCAACATCAAGGGCTTTTGATAATCCTGAAAATATTAAATATTC AGTTTCAGTTTTTATTTTAGGAGAAATATTTGCATAATTTCTATCTTTAAAGCACCAATG GATATATGGTTTCGTTTCATCTTCTGGGTTATCTAAATAAGCAATAACATTCAAGTCAAA TARARATTGCARARACTCATTAGCAGTACTCATARATTTAGGTATTTCCACTGATGTTGT TTGTAAGTGCTTTTTCAAACGTTCAAATGCTTTTAAAAAATCACTATATTTAAATCTATC TTTCCCGTTTAAAAATTCAAAAATTTCAGGAAATTTTGATAATCACTTTGACTATAATA AAACAAAAGATGATCTTTGATTTCACCAAGTAAATATATCGAGTATTCTCTTTGAAAAGA CAAAGTAAGCATCTGAAGAATATCGCGAGGTCGATAATACGATTTTCTTAGGAAGCTAAT **ANATGAAGTTAAATTTTTATACTCATCATGTAAATTAGGAGCATTCCATGGAAAATAATA** ATCCCATGAGTTGCCTTTTTCTAAACTATCTTGTTTTTTCTTGCTGGGTTCTCAAAAGATG **ATCAAAAACGCCAAAAATCTTTGAACTTCTATAAGATTTATAATCCGTCCTCCAGTCTAA AAATACTGAATTATCTTGAAGTTTGGTATTTTGATTTTGTAAACCTAATGAATCAAAGAT** ATCAGGTCTAATCAATAACACAACTCTCATCCTTCCCTTACTATCTTTAATGGAAGGGAA GATATCATTATTTAACATCCATATGGCGTTAGCAAGACCTTTTACACACTCATGATATTC ATCAAATGGAATCTGTGATGGTCTAATATCTATCCCATCAATAAACAAAATATGATTATC TTGGAATTTACTTTCTGTAAAAGTTATTTGTTGGGATTCCTCTTCACCTAGTTTAACAAA TTTTCCAAAAATCATTTCCGCAGCTTCTTTTGAATTTTCTATTAAAGTTATTGCTTGTAC **AATTTCCGGATCAAAAGCGCCATAATAATATTCATTTATAGCCTCATCTAAGGCTTTAAA TTTATTAAATATTGAAGATAATATTCCGTTTTCTTTACATTTGATTTGATTTGATATCAA** CAGATATAAAATGACTTTCCAAATACTTGTAAAATCTGAAACAGTTAAGTGTCTTGCTTT CTTTAGCTGAATAAATTTTGAATAATCGGTTTCACGAACAAACTTAGTAGTGGCATGTAT GTTTTTATAGAAGTTATTAGTTAAATAAACAGCATATGCTGTCTTTCCAGTTCCCTTTTC TCCGATTAAAAACGAAATATTTGGTTCACATAATTCATCCAAATATTCTCCTTTTACAAA TATTCGGTTAAATAAATCTTTATTTTCTCTTCTTCTGTAGTTTGCAGCATCCACAAATCC AAATTCTAATGTTTTTAACGGTTTCATCTTAATAATCTCCTATTTAATTTTGAATTAAAC TTACCTCAAAACCACCTTCAAATACTTCCCAGTATAACTCCCCTTAACTTTCGCCACCTG TTCAGGACTACCTTTAGCAATAATCCTCCCCCCCCCATCTCCGCCCTTCCGGCCCCAAGTC CACAATCCAATCCGCTGTTTTAATCACATCCAGATTATGCTCGATAATCACTATCGAGTT GCCTTTGCCTTTCAGACGGCCTATGACTTCCAGCAGCAGGGCGATGTCGGCGAAGTGCAG GCCGGTGGTGGGTTCGTCGAGGATGTAGAGCGTTCTGCCGGTGTCGCGTTTGGAGAGTTC CAAGGCGAGTTTCACGCGTTGGGCTTCGCCGCCGGAGAGGGTGGTGGCGGACTGTCCGAG GCGGATATAGCCTAGGCCTACGTCCATCAGGGTTTGCAGTTTGCGCGATACGGTGGGGAC GGCGTCGAAAAATTCGCGGGCTTCTTCGACGGTCATGTCGAGGACTTGGCTGATGTTTTT GCCTTTGTATTGGATTTCGAGCGTTTCGCGGTTGTAGCGTTTGCCGTGGCAGACTTCGCA GGGGACGTACACGTCGGGCAGGAAGTGCATTTCGACTTTAATCACGCCGTCGCCTTGGCA GGCTTCGCAGCGGCCGCCTTTGACATTGAAGGAGAATCTGCCGACGTTGTAGCCGCGTTC GCGAGAGAGGGGGACGCCGGCGAAGAGTTCGCGGATAGGGGTGAACAGGCCGGTGTAGGT GGCGGGGTTGGAGCGAGGAGTACGGCCGATGGGGGACTGATCGACGTTGATGACTTTGTC GAGGTGTTCGAGGCCGTGGATGTCGTCGAATGGGGCGGGTTCTTCTTGGGCGCGGTTGAG TTCGCGGGCGGTAATTTTGGCGAGGGTGTCGTTAATCAGGGTGGATTTGCCGCTGCCGGA CACGCCGGTGATGCAGGTAATCAAACCGAGCGGCAGCTCAAGGGTAACGTTTTTGAGATT CGGCACGGCAATGGATTTTTTGCCGCTGAGGTATTGTCCGGTAACGGAGTTTTCGCATTG GGCGACGTTTTCGGGCGTGTCGGCAATCAGTACGTTGCCTCCGTGTTCGCCTGCGCCGGG GCCCATATCGACCACGAAATCGGCTTCGCGGATGGCGTCTTCGTCGTCGTCGACCACAAT CACGCTGTTGCCCAAATCGCGCAGGCGTTTGAGGGTGGCCAGCAGGCGGTCATTGTCACG CTGGTGCAGGCCGATGGAGGGTTCGTCCAGTACATACATCACGCCGGTCAGGCCGCTGCC GATTTGGCTGGCGAGGCGGATGCGCTGGGCTTCGCCGGAGAGGGTTTCGGCGGAGCG GCTTAAATTCAGGTAATCCAGCCCGACGTTAATCAGGAAGCCGAGGCGTTCGGTGATTTC TTTGAGGATTTTTTCGGCGATTTGTTTTTTTTTGTTGCCGTCTAAATCCAGTGTTTCAAAGAA TTGGTGGGTTTTGGTGAGCGGCCAGGCGGAAACTTCGTGCAACGGCTCACCGCTGACGTA AACGTAGCGGGCTTCTTTGCGCAAACGTGCGCCGCCGCAGCTTGGGCAGGCGCGGTGGTT TTGGTATTCGCGCAGTTTTCGCGCACGGTTTCGCTGTCGGTTTCGCGGTAGCGGCGTTC GAGATTGGGGATGATGCCTTCAAAGGCGTGGCTGCGGTTGAAGGTGGTGCCGCGTTCGGA CAGGTAAGTGAAATCAATGACTTCTTTGCCTGAGCCGTGCAGCACAACTTTTTTCACTTT TTCAGGTAGTGTTTCCCAAGCAGCCTGCACATCGAAACCGTAATGCCGCGCCAATGATTG AATCATTTGGAAATAGAATTGGTTGCGCTTGTCCCAACCGTCAATCGCACCTGTTGCCAG CGACAATTCGGGATGGGCGACCACTTTTTCGGGGTCGAAGAAATTGGTGTTGCCCAAGCC GTCGCAAGTCGGGCAGGAACCCATCGGGTTGTTGAACGAAAAAAGGCGAGGCTCTAATTC GGGCAGGCTGTACGAACACGGGGGCAGGCGAAAACGTGCGGAAAACCAATGTTCTTCGCC GCTGTCCATCTCCATCGCCAGCGCACGCTCGTTGCCGTGGCGCAGCGCGGTTTCAAAACT TTCCGCCAGCCGCTGCTTGATGTCCGCCTTCACTTTCACGCGGTCGATGACCACGTCGAT ATTGTGCTTGATGTTTTTTCCAGCTTCGGCACTTCGTCCAACTGATAGACCTCGCCGTC CACGCGCACCCGCGCAAAACCCTGCGCCTGCAAGTCGGCAAAGAAATCGACAAACTCGCC CTTACGCTCGCGCACGGTGGGGCAAGAATCATCACACGCGTGTCTTCCGGCAGTTTCAA TACGGCATCGACCATCTGCGATACGGTTTGGCTCGACAGCGGCAGCTTGTGTTCGGGACA ATACGGGGTACCGACACGGGCGTATAAAAGACGCAGATAGTCGTGGATTTCAGTTACCGT ACCGACGGTGGAGCGTGGGTTGTGGCTGGTTGTTTTTGCTCGATGGAAATTGCAGGCGA CAGACCTTCAATTAAATCGACATCGGGTTTGTCCATCATCTGCAAAAACTGCCGCGCATA GGCGGAAAGGCTCTCGACATAACGCCGTTGCCCTTCGGCATACAGCGTGTCAAACGCCAG CGACGACTTGCCGCTGCCCGACAATCCTGTTACCACCACGAGTTTGTGGCGCGGAATGTC TAAATCGATGTTTTTCAAATTATGCGTGCGCGCGCGCGGATGCGGATGGTGTCGTTGTC GTGCGAATGTTGGGGATGATGGTTGCACATAATGGATGCCGCCTGAAAAATAAAGGAAAA CCGGTATTGTAGCACTTTCTCGGATGCCGTCTGAAGCCGCGTTCAGACGGCATTTGCCAG CGGAGTACGGCAGATTCCGCTATAATGTCGGCAATTTTAACCCGCTTGAACAAAAGGATG ACAAATGAACCGTCTTTACCCCCACCCGATTATCGCCCGTGAGGGCTGGCCGATTATTGG CGGCGGTTTGGCTTTGAGCCTGCTGGTGTCGATATGTTGCGGCTGGTGGTCTTTGCCGTT TTGGGTGTTTACCGTATTTGCATTGCAGTTTTTCCGCGACCCTGCGCGTGAGATTCCGCT AAATCCTGAAGCGGTGTTGAGCCCGGTTGACGGCCGTATCGTGGTGGTCGAACGCGCACG CGATCCGTATCGTGATGTCGATGCTTTGAAAATCAGTATTTTTATGAACGTGTTCAACGT GCATTCGCAAAAATCGCCTGCCGATTGTACGGTAACGAAAGTGGTCTATAACAAAGGCAA GACTACGGCTTCAGGTCGTGAAATTACTTTTGTTCAAGTGGCCGGTTTGGTGGCGCGCCG TATTTTGTGCTACACCCAAGCAGGTGCGAAACTGTCCCGCGGCGAACGTTATGGCTTTAT CCGCTTCGGTTCGCGCGTGGATATGTATCTGCCTGTCGATGCGCAGGCGCAAGTGGCGAT TGGCGATAAAGTAACCGGCGTCAGCACTGTATTGGCGCGTTTGCCGCTGACTGCGCCGCA AACTGAATCTGAGCCTGAATCTGAGCCTGCTTTACAAACTGCTCCGGTTGAAACAGCGGC AAACCCATCTGCCGAACAACGGCAAATCGAGGCAGCGGCGGCTAAGATTCAGGCGGCTGT GCAAGATGTGTTGAAAGATTAATTTTGCGGACTGAAATAGAAAATATCAGTACCATCATT CACACGAATGAGGAAGTTTGGTTTTTTGAATTTTTGCTAATGTTCACACCGTCATTCCCA CGAAAGTGGGAATCTAGAAACTTAACGTTACGACGATTTATCGGAAACGACTGAAACCGG ACGGACTGGATTCCCGCCTGCGGGGAATGACGACTTATTAGTTACCTAACACTTAAAAA ACAGAAACCTTTCCGCGTCATTCCCACGAAAGTGGGAATCCGGGAACTTAACGTTACAGC GATTTATCGGAAACGGCTGAAACCGAACGAATTGGATTCCCGCCTGCGCGGGAATGACAA CTCATTAGTTACCTAAAACTTAAAAAAACGGAAACCTTTACGCCGTCATTCCCACGAAAGT CCTTTACGCCGTCATTCCCACGAAAGTGGGAATCTAGAACCCAAATGCTAAGGCGATTTA TCGGAAACGGCTGAAACCGAATGAATTGGATTCCCGCCTGCGCAGGAATGACAACTCATT AGTTACCTAAAACTTAAAAAACAGAAACCTTTACACCGTCATTCCCACGAAAGTGGGAAT TCGCCTGCGCGGGAATGACGACCCATTAGTTACCTAAAATTTAAAAAAACAGAAACCTTTC CGCGTCATTCCCATGAAAGTGGGAATCTAGAACCCAAATGCTAAGGCGATTTATCGGAAA CGGCTGAAACCGAACGAATTGGATTCCCGCCTGCGCGGGAATGACGGGATCTTGGGTTTC TGCTTTTGATTTTTCTGCTTTTGCGAGAATGACGGCGTGAAAGTAAGAATGATGAAACAA AAAAATGGGAATGATGGCATAGTGGTTTGTTCTTTGTCTTTGCCATATTTCCTAACAAA CCGATTTTAAAACTTCACGTTCACGCCGCCGGTAAAGCTGCGGCCCATTTGCGGCGTATC 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GCGGTAGTCGTTGCGGTTCAGGTGTACGCGCAGGGCTTCAAAACCGGGGAACGGTTGCTT CCATTCGGCACGGAGTTCGTAGCGTTTGTTGCGCAGGTCTATCCACGGTCTGCCGCTGTG GGTGTGTGCGTGCATTATCGTCGTCGTGGAAGCCGCAGCTCAAGCCCGGATTGTCGTA ATCGATGTCTTCGGTCAACAGGTGCGGATAAAGCTGTAAATAGCGTTTGTTAATCAA ACCATATTGGTCGCGACGGTCGCTGTACGCTACGCCGATAAAACCTTTTTCGCCAACCCA AGACAGCCCGATGCTGCCCGTTTGCGAATCGGCGTGGCTGTCGGGCAGGCGTTTCAGATT GCGGTAACGCGGTACGCCGTAATCCCCCGATTTGCGGTACAGCCCTTCCGTGTGCAATAC

AAAGTTTTTGCCCAAACCGATATTGATGCCGCCGGACGTGAGTTTTTCCAGATTGCCGCT GCTCAAACGCAATCCGAGTTCGCCCGATACGCCGTTTTCAGGCATTTTTTCGGGGATTTT GCCATCGGCAACATCGACCAGCCCCGCCACATTGCCCGAGCTGTACAAGAGCGTAACCGG CCCGCGCAGGATTTCGACCTGTTGCGACAAGGCGGTATCTACCATAATGGCGTGATCGGG CGAAAAATCCGCCATATCGCCTGTTTCGCCGTGATGGTTCAACACTTTAATCCGCCTGCC TGTTTGACCGCGAATGACGGGAGCAGACGCGCCGCCGCCGTATTGCGAAGCGTGGATGCC CGGTACGCCGTCTAAAGCGTCGCCCAAGTTGACGGCTTTTTTGGCGCAAGGTATCGCCGGA GATGATTTTGTCGGAGGCGGTCGAAGTGTGCAACAGCCCCGACGTGGCGCGCGGACGGCT TTTGCCGACGACGCTGACCGTTTCCAAATCCACCGATTGCTCAGTTTCATGCGCTTGGGC GAGGAGGGGTGTGTTGATTAAAAGAATTGATAAAACAATGGGTTTGAGTGTAGTTTGTGC CATTTTGGCTTCTCGTCGCATTTCAAAAGTTTGTTATTATAACATTACATTTTTTATA TCATAAGATTTTGAGAACACTCAGAGGGCATAGGCAAAAGTTTTTCAAATGAAACGGTTG CGGCATCGGGCGGTGTCCATTTGTATCCGCCGTCCTTCGGGGGCGCGGGTTGATGTTGACG CAGATTCCGCTGTGTTTGCCCATTATGTTCGGCTGCGGGATAACCAAAATTTATGAGTGC ATAAAAACGGCACGTTCCCGAACGGTCGAAAAGGTGGCAAAATGGCGTACTTGTCAGAAC GCGAGGCTCTGCGCCAGGTTCACGAGGGCGCATCGGGCACGCTAAGATATAAGAGGGTAT GGATGGGGGTATCGGAAATGCAGTTAATAACAAACAAATTATAAATCAATAGGTTAATCA CACTGAATTGGGGCAGGAAGTTGCCGTGCGCCGCAACGATGATATTACGTTGGAGGAAAT CGAGGCATTGAATCCGCAATATCTCGTTATCGGCCCCGGCCCGTGTTCGCCCAAAGAAGC CCTCGGGCATCAGACGATAGGCGAGGCGTTCGGCGGCAGGATAGTCCGCGCCAAAACGCT GATGCACGGTAAGGTGTCGCCCGTGTCCCATTCGGGCAAGGGTATGTTTAAGGGTTTGCC ATGTTTGGAAGTAACGGCTTGGACTGAGGACGGCGAGATTATGGGTGTGCGCCATAAGGA ATATGCCGTCGAGGGCGTGCAGTTCCACCCCGAAGCCCTCTTGACCGAGCACGGACATGA TATGTTAAACAATTTTTTAATCGAATTTCAAAACTTCAAACCGCAAAAAATCTGACGTGA TGCCGTCTGAAGCCCTTCAGACGGCATTTTCGTCCGAATATTGAACGGAGGACAAAAAAT GATTACACCGCAACAGGCCATCGAACGATTAATCAGCAATAACGAGTTGTTTTACGATGA AATGACCGACTTGATGCGTCAGATTATGAGAGGACAGGTTCTGCCGGAGCAGATAGCGGC CATTTTGACAGGATTGCGTATCAAGGTTGAAACCGTTTCCGAAATTACCGCAGCTGCAGC CGTCATGCGCGAGTTTGCGACAAAAGTGCCGCTGGAGAATGCAGAGGGGCTGGTCGATAT CGTCGGTACGGGCGGGGATGGCGCGAAAACCTTCAATATTTCGACGACTTCGATGTTTGT CGGTGCGGCTGACGTGGAGCAGATGGGCGCAAACCTCAACCTGACTCCCGAACAGGT TGCCCAAAGTATCAGGCAGACCGGCATCGGGTTTATGTTCGCGCCCAATCACCACAGTGC CATGCGCCATGTCGCCCCTGTACGCCGTTCGCTCGGTTTCCGAAGTATTTTCAACATATT GGGTCCGTTAACGAATCCTGCGGGCGCGCGCGAACCAGCTTTTGGGCGTGTTCCACACCGA TTTGTGCGGCATTTTGTCGCGGGTCTTGCAACAACTTGGTTCAAAACACGTTTTGGTTGT TTGCGGGGAGGGCGGTTTGGATGAAATTACACTGACGGGCAAAACACGCGTTGCCGAGCT CAAAGACGGAAAAATCAGCGAATACGACATCCGCCCAGAAGATTTCGGTATCGAAACCCG GGTGCTGGAAGGAAGAGAAGGGGCTGCGCGCGATATCGTATTGCTCAACACCGCCGCCGC CCTGTATGCCGGAAATGTCGCTGCTTCGCTTTCAGACGGCATATCTGCCGCACGGGAAGC CATCGATTCAGGCAGGGCCAAATCGAAAAAAGAGGAGTTTGTCGGTTTTCAACCACAACA AAGATGCCATTTTCTTGGAAAGATGGAGCTTGGGTGATGCCGCCATGATTATGGAACTTT TGTGGCAAAACATAAGCACTTCACGAAGAGAACTTACCAAACTGTTTTTATATAAAAACT TGGGGCTGTACTAGATAACCAGACCAAATTCCCATTAACTAATTGTCTTAAAAATCTGAAT TTGAGATTCTATTTAAAATGCCATTGGCATTTCTTTAAATGCAGCCCCAAATGCTCTTTG GGAATGCCGTTAAACTTACGTAAATGGCTAAATTCACTAATATCAAGCACATCATAACTA AATGTCGCTGATTGCGCATTAGGAACAACGACGGTATAAACCTTATATATTGCGTCCCTA AGAAGGGACGATTAACAAAAATTAACGTCCTTTACTTTCTACAAGTAACAGGGCTTTTTT TTGCCCGTTTTTGAGGATTCGCACCATGGAAGATAAGCAAGGGATGACAAAGGCGGTTGC CGGCGTGATGACGGACGCCTAGCGGACGGCAGGAAGCCGACAACCGCTTCAAATCTTCC GAATGTTACGAAACGTACATAACGGACGGTAAAGGAAACCTGTTAGGCGTTCCTCTTCGG CGCGGTGTATCAGATTCGGCTTTCATTGATCAAATTAGCTTTTCATTTCATGAAAAAACC TTTTTCGATAAATACGGCGTTCGTGTAAGTCTTTTGGAAGACGAAGATTTTATTCGCGCC GCGTCCATGCTCGCCGAAGAAGTTTTCGGTTTCGGTATCTACAAAGAATCCAAAGGTTCG GGCGGTCGTTTCTATGAGCGCTGTTGGTTGATGGGTTCGGAAGACGCCCTATACGGTCGC GTCCATTTTGGCGGCCAACAAAATACCATTCTTTTCGAACTGACCGGCACCGGTTGCGGC GTCGCAAAAGAAGGCTGGGAATCACGACTTTTCGCATTCCTGACTAATGCAATCCGCCCA AAAATCACACGCGTTGACATCGCAAAAGACTTTTTCAACGGCGAATACAGCCCGAACCAA GCCCGTGAAGACCGAAATAAAGGTATGTTTACCTGTCATCACGTCAAACCAAAAGGCGAA TGTTTGGGGTCAGATTGGGAAGAAGACGATGAAGCCAAAATGACCAAAGGCAAGACCTAT GGTATCGGCTCCCGTGAATCGTCCAAATATGTCCGCGTCTATGAAAAAGGCAAGCAGTTG GGCGATAAAACAAGCACATGGACGCGATTTGAAATTGAATTCAAAGCAAAAGACATCGTT ATCCCTTTCGAAGTTTTGCAGAATCCGGGCGAATATTTCGGCGGCGCATATCCGATTTGC GAACGATTCGCCCAAAAGGCAACGCGCATACACGCGGTTAAGGAAGATAAGGTCATTTCA GCCGACCGCTACCTTGAATGGGTAAAAAAACAGTTCGGACGTGCGGCAAACGGTCTGAAA TTCATTTTTCCCGAATTGGACAAAGCCAAACTGTTTGAACTGATTGAGCCGAGTCATCAC AAGCTGCCCAAGTCTTTGGCTCCCGAAGCCTACGACTGCGCCTTTTTGAAAGCTCAAGCC ATTCATGAACAGCCCGCATTCAAACCGTACAAAGACCCTTACTATATGTACGAATATTAC GAGAATCTTGAAAAACAGCTTGAACAGCAAAAACACGTCAACAATGAAGAAAGCTATAAC

AACTTCATTTACGACAAATTCGCAAGACTACCGATTTCATGGGCTTAAAGTGTCTGCCCG AAAGACGTTTAATCACACAAGGAAACCAAAAAATGAACATCCAACTTCAAGGCCACATCG TCGGCGTTAAAAAAATCAACGGACAAATCGAAGGCAAGAGCTTCGACTATTGCTGCCTGA TTGTCGCCACACCCTTAGACAGCTCCCAAGGCAACGCATTGGGCAGCTCTACTACTGAAT ACGATTTCGGCGGCTCTGCCAATTTCGAGCAGTTCCGAAACGCCCAATTTCCGATCGAAG CAAACCTGAACGTAGAAATCGTCACTACGGGCAAAACCCAAAAACTGAAAGTCATCGGTT TTCAACTCGTGAAGAAAGGCTGATTGAATGCAGAAAGTCTATGTTGTCCAGTCCGTATCA ACAGGGGACTTTCTGTATCTCTCTCTGAAACGGGCGACATCGGACATACCAAATTAATC ACCAATGCCGATTATTTCTACGACTTCGAAGAAGCGATTAACGCAGGTTTGGAAGAAATC GGCAACCAATACGAATTTGTCGTATTCGGATTTTTGAAAGACTGATTTTCGGATGTTCGG CGGTCGTCTGAAAAACGCTCCATCCATTACCGCCAAACACTTTTTGAAGGAAAATATCAT GAAATTTATTAACACCTGCCGTAAATACGGCGCAAAACTGGCTGTTGTAACAGCTGCTCC CCTGGCTTTGGCCGCACATGCAAATGCAACGTTGCCCGATACGGCAAAAAACGCTTTGGA AGCCGCAAAAGCCGACGGTATGGAAGCCGGTTGGATTGTAGTGGGCATTTTCGCCGCGCT TTTTGTATTTTCCATCGTTAAGAGAGTGATGAAGTAAGACGGCATGTACTACCAAGTCGG AAATAAATGTCTTGAGAAGCACCAGGCTGAAAACCTTTATTTCAGCTTGGTAGTACCAAG AATCAAAGAAAACGGACAGATTGTCAGGCCGGAATATAACGGCAGCCTGTGGAAGATGTC GGACGGTCAGCCGCTAAGGCTTTTATTGGCGGAATGCAGTCCGAAAGACAACCTGCAAAG CGGTCTTGAAACAGGCTGGATAGTATTCGGCATCCTCGCGTCCGTTTACTTTGTTTCCCT GCTGAAAAAGGTTTTGAAATGATGGATTTTTATTTTTATCTCGGCGTTTCCGTACCCGTA TTAATCGGGGCGGTTCTGTTTAAGAATTGAGCGCATGAAGTTATGGTGTCAAAATCAGGC TTTCAAAACAATCATTGAAAGGCAGAACCATGAACAAGCCGTTTATCACTCAGGCGCAGT TGGCACTTTATAAATATCAGCCGTCCAGCAAGTATTTTGGGCAATCGATGGCGGTTATAG TCTCTTTTTTCTGGAATAGAAGAATTAAACATGATATTTGGCTAATCTCATTTTCTGATA ATTCAGAAATGGTAATTAAAGAATCCCTGAAAGATGGTCATAAAATATACAAATTTGAAT TTTGCGAAATTGTCGATAATTGCAATTTTGATGATGTATTCGTTTGAAGCGAATGCAAAT GCAGTAAAAATATCTGAAACTGTTTCAGTTGATACCGGACAAGGTGCGAAAATTCATAAG TTTGTACCTAAAAATAGTAAAACTTATTCATCTGATTTAATAAAAACGGTAGATTTAACA CACATCCCTACGGGCGCAAAAGCCCGAATCAACGCCAAAATAACCGCCAGCGTATCCCGC GCCGGCGTATTGGCGGGGGTCGGCAAACTTGCCCGCTTAGGCGCGAAATTCAGCACAAGG GCGGTTCCCTATGTCGGAACAGCCCTTTTAGCCCACGACGTATACGAAACTTTCAAAGAA GACATACAGGCACGAGGCTACCAATACGACCCCGAAACCGACAAATTTGCAAAGGTCTCA GGCTAAGTGCGCCTGTTGCCGCCTAAAAGGTACCCCGGATGCCTGATTATCGGGTATCCG GGGAGGATTAAGGGGGTATTTGGGTAAAATTAGGAGGTATTTGGGGTGAAAACAGCCGAA AACCTGTGTTGGGGTTTCGGCTGTCGGGAGGGAAAGGAATTTTGCAAAGGTCTCTTTTCG TCATTCCCGCCACTTTTCGTCATTCCCGCGAAAGCGGGAATCTAGAATCTCGGACTTTCA GATAATCTTTGAATATTGCTGTTGTTCTAAGGTCTAGATTCCCGCCTGCGCGGGAATGAC GATGCAGGTATTTCTGACGATTCCCGGCTATGATGTTGAGGCAGAAATCGAAAAATTCGT TTGGATGGATGCTGTGATTTGGCAGATGCCGGGCTGGTGGATGCACGAGCCTTGGACAGT GAAAAATACATAGACGGAGTATTAACCGCTGGACACGGCAAACTCTACCAAAGCGACGG CAGACACAGCGTCAATCCGACTGAGGGCTACGGCACAGGCGGCTTGTTGCAAGGCAAAAA ACATATGCTTTCACTGACTTGGAATGCGCCGATTGAGGCGTTTACCCGCGAAGGCGATTT CTTTGAAGGCAAAGGCGTTGATGTTTTGTATATGCACTTCCACAAAGCCAACGAGTTTTT GGGTATGACCCGCCTGCCGACATTCTTATGTAACGATGTGGTTAAAAATCCGCAAGTGGA AAAATACTTGGCAGATTATCAGGCACACTTGGAAAAAGTGTTCGGCTAATTAAAAATCCA **TCTTCAACACGGAGATGGATTTTGTTTGTTTCGTTGATTTTGTGTCAGTTTCAGATGTAG** CCTTCATAAACGGGGTTTGCAGTGATTTTTTCAAATCAAACAGATTGAAAACCTGCGCCG AATTGTTCAGACGGCATTATTTTTCAGTTCGGACAGAATGTCATCTACGGTTTTCTTCG CATCTCCGAAACACATCACGCTGTTTTCGTTGAAGAACAGTGGGTTTTGTACACCTGCGT AGCCGGTATTCATCGAGCGTTTGAAGACGACGACTTCTTTTGCCTTCCACACTTCCAACA CGGGCATACCCGCAATCGGGCTGTTCGGGTCGGTTTGGGCGGCGGGGTTGACGGTGTCGT TCGCACCGATGACCAAGACCACATCGGTTTCGGGGAAGTCGTCGTTGATTTCGTCCATTT CCAAAACGATGTCGTAGGGGACTTTGGCTTCGGCGAGCAGTACGTTCATATGACCGGGCA GGCGGCCGGCGACGGGGTGGATGCCGAAGCGTACTTCGGTGCCGTTTTTACGTAAAAGCT CGGTGATTTCGGCAACGGGGTATTGCGCTTGTGCGACTGCCATACCGTAGCCCGGGGTAA TGATGACATTGTTTGCGCCTTTCAGCATTTCGGCAATATCGGCAGCTTTGACTTCTCGGT ATTCCCCTATCTCTTGGCTGCCGGAAGATAATGTGCCGCTGTCGCTGCCGAAACCACCGG CAATTACCGAGACAAACGAGCGGTTCATGGCTTTGCACATAATGTAGGACAGAATCGCGC CGCTTGAGCCGACCAGCGCGCCGGTAACGATGAGCAGGTCGTTGGAGAGCATGAAGCCTG CCGCTGCGGCCCCCAGCCGGAGTAGGAGTTGAGCATGGACACGACCACGGGCATATCTG CGCCGCCGATGGAGGCAACCAAGTGCCAGCCGAATGCGAGGGCAATCAGGGTCATAATCA GCAGGATGAAGCCGCTGCCGTCAATGCCGACAAATACGAGCAGCAACACAAACGATACGG CAAGTGCCAGTGCGTTGAGCTTGTGTTTGGCGGGCAGTTGCAGCGGGCTGCTGATTT TGCCGTTGAGTTTGCCGAATGCGACCAGCGAGCCGGTAAAGGTTACCGCGCCGATGAAGA TGCCTAAATACACTTCGACCAGATGGATGGTGTGCATATCGTGCGAAACGTTGCCCGGCG CGATATAGCTGTTGAAGCCGACCAAAACCGCCGCTAGGCCGACGAAGCTGTGCAGCAGGG CAATCAGTTCGGGCATTTCGGTCATTTCCACCTTTTTGGCTTTGTAGATGCCGATTGCCG CGCCGATGAGCATGGCGATGATGATCCAGCCCAGTCCGTGGGTATTGTCGGAAAAAACAG TTACAAAAAGGGCGACCGCCATACCGGCGATACCGGAATAGCAGCCCTGTTTGGCGGTTT CCTGTTTGGACAGCCCCGCCAGTGAGAAGATGAATAAAATTGCGGCAACGATATACGCCG CTGTTACGAGTCCTGAAGACATAGAAATTCTCCGATTTTCGATGATTTGTTTTCAATGCC ...GTCTGAAAAATTGACGTTCGTGTTTTCAGACGGCATCTGTTTCAAGCAGCCGCGACAAAC AGCCCGACGGTGCAGGCAAATCCGCCTGCCCACATCAGTGAGCGCATAGCGGCTTTGTCG

ATGGTCGATTGCCGCATTGCCGGTTGCGTGTGCCGTCAAAACGGCGGCGGCAAACGGT GCAAAGGCTTCAAAACCGTTTTGCTGTGCGGCGTGGGCACGGGCGGCTGCGCCTTGCGTG GCATACGCCGCACAAAAAGCGGCAATAGGCAGGCAATCAGAATACACCAATAGGCGAAA GTCATGGCTTACCCTTTCTTAAACATATTCAGCATACGCCGTGTTACCGCAAAGCCGCCG AAGATGTTGATGCCGGCAATCAGGATGGCAACAAACGACAGCAGCGAAACGAAGCCGTTG CCCTGACCGATTTGCAGCAGCGCCGACGACGATGATGCCGGAGATGGCGTTGGTTACC GACATCAGCGGTGTGCAGCGAGTGGCTGACGTTCCAGACGACGTAGTAGCCGATGACG CAGGCGAGAACGAACACGATAAAGTGGTTCAGGAATGCTGCGGGTGCGACCGCCGACC TTTGGCTCGGGCTTGGCGGCAGGCACGGCTTTTTCAGACGGCGTTTGCTGCGGCTGGGCG GAAACTTGAATCGGCGGAGGCGGGAAGGTGATTTCGCCGTCGTGGGTAACGGTCATGTTG CGGATAATCACGTCTTCGAAGTCCAACGTGATTTCGCCGTCTTTGTTCGGGCTTAACAGC TTGGTCAGGTTGACCAAGTTGGTGGCGTAAAGCTGGGAAGACTGTCCGGCAAGGCGGTTT GCCATGTCGGTGTAGCCGATGATTTTCACGCCGTTGCCGGTTACGGACAATTCGCCCGGG CGGGTGAGTTCGCAGTTGCCGCCGCCGCCCCCCAAATCGACGATGACGGAGCCGGAT TTCATGCTTTCCACCATTTCTTTGGTAATCAGCTTGGGCGCGGGTTTGCCCGGAATGGCG GCGGTGGTGATGATGTCCACTTCTTTCGCCTGCTCGGCAAAGAGCTTCATCTCGGCT GCGATAAATTCGTCGCTCATCACTTTGGCGTAGCCGTCTCCGCTGCCGCCCGATTCTTGT GGGAAGTCGAGTTTCAGGAACTTGCCGCCCATCGATTCGATTTGTTCCGCCACTTCCAAG CGGGTATCGAACGCGCGTACCACTGCGCCGAGCGAGTTTGCCGTACCGATCGCCGCCAAA CCTGCCACACCTGCACCAATCACCAAAACCTGCGCGGGGGGCACTTTGCCGGCGGCGGTA ATTTGACCGGTGAAGAAACGGCCGAAGGCGTTGGCGGCTTCAATTACGGCGCGCTAGCCG ATATCCATCGCCAGCGCGTTCACTTTCTTGGCGCGCAAGGCTTCGACCAAAGCCTCGTTT TGGCGCGGCCACAGGAAGCTGACGATGGTTTGACCTTCGTTCAAAAGCGGCAGTTCCTGT TCGGACGGCGCGTTGACCTTATAAATCAAAGGGCAGACCCAAACCGCCGCTTTGTCGGCA ACGGTTGCGCCTGCTGTTTGGTAAGCGGCATCGTCCAAACTTGCCGCCAAACCTGCACCG GCGACGCGGGTTTCGCCGGATAATGACTCGCGTGGGATACCGATTTTCATCTCTGAATCC GCCGTACCGGTTTAAAGCCGACTCACTTCAAATGTTAATATTTTTAGATAATCCCCTTA TAACGAATTTTCATCAGGCTGGCAATAGTTGCGGCATTTTCCCGTGTTGTCCGACACATA CTGCCGTTTGTGTTTGAAATCGTTTTCCGATTGCAGTCCCGCCGCCGCAACATTCTTTG CCGTTTCACTATATAATCCGCATTTTTTGAGCCGCCGTTATGCCGCACGCCCTCGTCCTC CAATTTCCCTCCGCCGCAGCCCTGCCTTCCGACTTCCCCTTACGCCTGCCCGAACCTGAT TGCGCCGATGAAAAGCGTATGCGTTTATCGTTGAAGAAGGGTTTTCTTTAAGCGAAAAA GACGCGGCGTTGCTTGGCAGCCGTCAAATCGACCACGCCGTGTTGCCGGATATGGATTTC GACGAACTCGGTTTGATTGTCAGCGATATGGATTCGACGCTGATTACCATCGAATGCGTC GATGAAATTGCGGCAGGCGTGGGTTTAAAAAACAAAGTAGCGGAAATTACCGAGCGTTCG ATGCGCGGCGAACTCGATTTCGAACAGTCTTTACGCAGCCGCGTCGCGCTGTTGGCGGGA TTGGACGAACGGGTTTTGGCGGACGTTTATGAAAACGTTTTGAAGCTCTCGCCCGGTGCG GAATTTTTGTTGGACGAATGCAAAAGGCACGATGTGAAATTCCTGCTGGTGTCGGGCGGC TTCACGTTTTTTACCGAAAGGCTGCAACAACGCCTCGGCTTCGAATACCAACACGCCAAT GTTTTGGAAATTGAAAACGGCAGGCTGACCGGCCGTCTGAAAGGCAGAATCATCGACGCG CAGGCAAAGGCAGATTTGTTGCGCGAATACCGCAGCCGCCTCGGATTGCAGCCGCATCAG GTGTTGGCGGTGGGCGACGGTGCGAACGATATTCCGATGCTCAAAGAAGCGGGCATAGGC GTGGCTTACCGTGCCAAACCGAAAGCGCGGGCCGCCGCCGATGCCTGTATCAACTTCGGC GGTTTGGAGCGTGTACGCGGCCTGTTCGGATAGGCGGATAGGAAACGGATGTCGTCCGAA AGGTTTTCAGACGGCATTTGAACGGCAGGAACGACAGTGGGACGCAGAAAACTTTGGTTT GCCCTGGCAGCAGCGGCGTTATCGGCGGTTTGGTCGGCATTGTGCTGACGGAACTGATG CACTTCATACAGCATACGGCATACGGTTATGGCGCGGACGGCGTGTACACTTCGTTCCGC GAAGGCGTGGCACAGGCTTCCGGTATGCGGCGCGTTGCCGTGCTGACGCTGTGCGGCGCG GTCGCAGGCAGCGGCTGGTGGTTGCTGAAACGTTTCGGCAAGCCGCAAATCGAAATCAAA GCCGCCTTGAAACAGCCGTTGCAGGGGCTGCCGTTTCTGACGACGGTTTTCCATGTTCTG CTGCAAATCATAACGGTCGGACTCGGTTCGCCGCTCGGACGCGAAGTCGCCCCGCGCGAA ATGACCGCCGCGTTTGCTTTTGCCGGCGCAAACGCTTGGGTTTGGATGAAGGCGAAATG CGGCTACTGATTGCTTGCGCTTCGGGTGCGGGTTTGGCGGCCGTGTATAACGTGCCGCTC GCCTCCACACTTTCATTCTCGAAGCCATGCTGGGCGTGTGGACGCAGCAAGCCGTCGCC GCTGCATTGTTAACTTCAGTCATCGCCACCGCCGTCGCGCGCATCGGCTTGGGCGACGTG CAGCAATATCATCCGGCCAACCTTACCGTCAATACTTCATTACTTTGGTTTTCCGCCGTC ATCGGCCCGATACTGGGCGTAGCCGCCGTCTTTTTCCAGCGTACCGCCCAAAAGTTCCCC TTTATCAAGCGCGACAATATCAAAATTATTCCCTTGGCCGTCTGTATGTTTGCACTCATC GGCGTGATTTCCGTTTGGTTTCCCGAAATTTTGGGCAATGGCAAAGCAGGCAATCAACTG ACCTTTGGCGGATTGACCGATTGGCAACACAGCCTTGGGCTGACCGCCGTCAAATGGCTG GTCGTCTTAATGGCGCTTGCCGTCGGCGCATACGGCGGTCTGATTACCCCGTCCATGATG CTCGGCAGTACCATCGCCTTTGCTGCTGCCACCGCGTGGAACAGTGTTTTTCCTGAAATG TCCTCTGAAAGCGCAGCCATTGTCGGCGCCGCAGTTTTCCTCGGTGTTTCCCTTAAAATG CCCCTGACCGCCATAGCCTTTATTTTGGAGCTCACCTACGCCCCTGTTGCCTTGCTCATG CCATTATGTACAGGCATGGCAGGTGCAGTATGGGTGGCAAAGAAAATGGGATTTAAATAG GCAAAAGCAAAAGGCCGTCTGAAACCAAGTTTCAGACGGCCTTTTACAATAAAATTGTTA ACAATATTTGCAAAAACCTACTGCCAAAAATGCGAAACTGGGGGATAATACCGCCCTGAA **AATTCATCCCATACTGATTAAACCTTCAACAAAGGAAATCCAAATGTCTTCCATCAAACG** CGCCTGATCAGCCTATCCGACAAGACAGGCGCAGTCGAATTTGCCCAAACCCTGCACAA

ACTCGGTGTCGAAATTCTTTCTACCGGCGGTACAGCAAAACTCTTGGCTGATGCAGGCGT TCCCGTTATCGAAGTTGCCGACTATACCGGTTTTCCCGAAATGCTCGACGGCCGCGTGAA AACCCTGCATCCGAAAATCCACGGCGGTATTCTCGGTCGTCGCGATTTGGACGAACACGT CGCCAAGATGGAAGAACACGGCATCGGCAATATCGACCTCGTGTGCGTCAACCTCTACCT CTTCGCTGCCACCATCGCCAAACCAAACTGCACGCTGGAAGACGCGATTGAAAACATCGA CATCGGCGGCCCGACCATGGTGCGCTCTGCCGCGAAAAACTGGAAACACGTCGCCATCGT TACCGACACCGCCGATTTCCCGGCCATAGCTGCCGAACTCGAAGCCAACAACGGCGCATT GAGCGACAAAACCCGTTTCAACCTCTCGCGCAAAGCATTCAGCCATACCGCCCAATACGA CGGTATGATTTCCAATTACCTGACCTCGCTTTCAGACGACGTCTTGAGCGGCACGCCCGA AATCGCCGGATTCCCCGGCCGGTTCAATCAAAGCTGGATTAAAGTGCAAGACATGCGCTA CCTCGCTGCATACAACAACTGCAAGGCAAAGAATTGTCTTACAACAACATCGCCGATGC CGATGCCGCATGGGAAGCCGTCAAATCCTTCGACGTGCCCGCCTGCGTGATTGTGAAACA CGCCAATCCGTGCGGCGTAGCCATCGCCTCCAATACCTTGGATGCCTACAAACTCGCCTA CGCCACCGACACCACCAGCGCGTTCGGCGGCATCATCGCTTTCAACCGCGAAGTTGACGG CGCAACCGTCAAACAAATTACCGACAACCAGTTTATGGAAGTCCTCATGGCGCCTAAGTT CACCGCCGAAGCCCTCGAAATCGCCGCCGCCAAGAAAACGTGCGCGTATTGGAAGTGCC GCTTGAGGCAGGCGCAAACCGCTTCGAACTCAAACGCGTCGGCGGCGGACTGTTGGTGCA AACGCCCGACATCCACCGCATCAGCCGCCGATTTGAAAGTCGTCTCCAAACGCCAACC GACCGAGCAGGAATGGAACGATTTGCTGTTCGTCTGGAACGTCGCCAAATACGTCAAATC CAACGCCATCGTATTCGGCAAAGGCGGTCAAACCTACGGCATCGGCGCAGGCCAAATGAG CCGCGTGGACAGCACCCGCATCGCCGCCCGCAAAGCGCAAGATGCCGGTCTCGACCTCAA CGGCGCGTGTGCCGCATCCGATGCCTTCTTCCCCTTCCGCGACGCGTGGACGTGATTGC CGAACAGGGCATCAAAGCCATCATCCATCCGGCAGGCTCGATGCGCGATCAGGAAGTTTT CGACGCAGCCGACGAACACGGCATCGCCATGGTCGTAACCGGCATCCGCCATTTCCGCCA TTGATGCAGATAAACAAGGTAATGCCGTCTGAAGGGCTTTCAGACGGTATTTTGCGCTAT TTTGCGAAGGTAGGGATGACGGTTCGGGTATTCCTGACAGGGTGGATTTTCAAGGTGTTG TATAGGGTGTAGGAGGATTCGTAAAAGGTGGGATGCAGGGTGTGCTTCAGCCCGCTGCAT CAAAAATTTTTGGAGAACCGGCGGGAGTCGGCGGTTTTGGTTTCGGCGGGGACGGTGGAA ATGGGTAACATTGACGGAATCGACGGAAGCGGTGGACTGAAGCCCACCCTTGTATATTGG AATCACCGTATCATAGCAACAAACCGCCCAGCCGCCCACCCCAAGGCACACA ACCGTTGCGTAGCTCAGGGAGCGGCAGGGCAACCCATCGACACAACCGGACAGTTGCCGG ACAACACAACCGAATGCAAGGCAGGTTTATGATGAGTACCCAATACCATTACGCAGGTAT AGTGAATTAAATCTAAACCAGTACAGCGTTGGTTCGCCTTAGCTCAAAGAGAACGATTCT CTAAGGTGCTGAAGCACCAAGTGAATCGGTTTCGTACTATTTGTACTGTCTGCGGCTCGC CGCCTTGTCCTGATTTTTGTTAATTCACTATATCGACATCGCCAAACGAAACTTCGTCAT CGCCGTTTCGTCTTTGTCTAAAACCAAAACCGAAACCAACAACCCCAAAGGTATCGCCCA TACTATCGAATACCTTAAAAAACACAAGGTCGCCCTCGTCGTGACGGAAAGTACCGGCGG TCTCGAAATCCCCGCCGCCAAAGCCATCCGCCGAGCAGGGCCGTGATTATCGCCAACCCG CGTCAGACGCATCAGTTTGCCCAATCGCAGCCGCTGACCAAAACCGACGCCAAAGATGCC TACCACCCGCCCACCGAAGTGGAAGAGTGTTGGAAGCCTTGGTTAACCGCCGCAACCAA CTGGTGGATATGCGGACTGCCGAGAAAAACCGTCTGCATTAGGTTCATGAAACGCAAGTC ATCGACAACCACACCCACACGCATTTTGACGGCAAAGCCCAAGTGGCAGAGCAAATCAAA GGCATCGGTTCGATAACGACGGCTACGCTGATGGCGATGTTGCCCGAATTGGGGCGGCTG TCGCACAAACGGATAGCGAGTCTAGTCGGCATTGCCCCACACCCGAGGGAGAGCGGGGAA ACCAAATTCAAAAGCCGCTGCTTTGGCGGAAGGTCTGCGGTGCGTAAGGCACTGTATATG GCTACCGTGGCAGCGACACGTTTTGAACCGCTTATTCGGGATTTCTACCAACGCCTGCCG TCCGAGGGTAAGCCGTATAAGGTTGCCGTTACGGCATGTATGCGCAAACTGCTGACGATA TCGAATGCCCGGATGCGTGATTATTTTGCCGAAAACGATACCGCCGAAAACGGTATCTAA ACGGCTTGATTTGAGTTTTGGTATTTTTGCCCGACGGGGTGAAAAATACAGTTGCTTTTT TATGTCTGTCCGTTTCGCAAAAAACATCGGCTTAATACTATATATTGTGTTTTATGGGTT TGAGATGCGCCGGGCGTTGATTGCGAAAATTAAGATTGCTCAAAAGGAGCTGGGCTTGGA TGACGGTACCTATCGCGCGGTGTTGGAGCGTGTGACGGCCAAGCGGTCGTGTGCGGATAT GGATGTTTCCGAACTTGAGTCTGTTGTCGCTGATATGCGGTCGCACGGATTTAAGCCTAA AGCAAAAGGTAACCCACACGGCAAACCGCATCTGCGTCGGACATCATCAGCGGCAATGTT GGACAAAGTCGAAGCCCTGCTGACCGTCGGCGGCAAACATTGGAACTATGCACACGCAAT GGCGCGGCGGATGTTTGGTAAGGATAAGGTCGAATATTTAGACGATACGCAGCTACATAA ACTGGTTGCTGCGTTGCAGATTGCGGAAAACAGGAAAAACGGAAAAAGCGGGTGGGGATGA TGGGGTTCGAAAAGTTGAACATTTATTGCCGGATACCGTGTTGGACATTGTGGATGTCA TCGGACTGGCAGCGACAGCTGGTCAAGGCGATTGGCGGGGCGCGGTTTAAATTTG GTAAGGGCAAGGTGGACACCGAGCGTTTGGCAATTTTGGTCGAAGCCATCGGCGAAGTGA AAACACATGAGCTGTTGCAGGTATATGGTGGCGAGGAATTGTATGTCCCACGGTGCGGCA AGGCGTTAATACAGTTGAGAAACCATAGGTTTTATCAGGAGTTTGTCAAATTGCGCGATA TTGATAAGAAGAGCGGGCTTATGGCGATGACGAAGCTATGCCCTAAATACGGCATCTCTT CACGAACGGGATATACGATTATCAATGAAATGAGCCGACCTGCGGCACAGCAGCAGCTT TATTTTAGGCAGTGATGTGTGACCAGGCTTTGGCCGTCTGTATTCAGACGGTCTTTTTTT TGGTTTGCAGGGGTGAAACATCTACCGTTCGGGACGATGGGTTAAAGACGGTTTAATGGG GTTTTCAAATGTTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCA AAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATCTGTAC TTTTGGAGATGATGAGCCAAAACCGTAACCTTAACCGCTGGACACAGCAACACCGAC .CCGGGTGCGGTCAACGGAAGCGACCGTGAGGCGGACTTGGCGCAGGATATGCGCAACATT GTGGCTTCAATCCTGCGTAACGATTACGGCCTGACCGTTAAAACCGACGGCACGGCAAA

GGCAATATGCCGCTGCGCGATGCGGTCAAGCTGATTCGCGGCTCGGATGTGGCGATTGAG TTCCACACCAATGCGGCGGCGAACAAAACGGCGACAGGCATCGAAGCCTTGTCCACGCCG AAAAATAAACGCTGGTGTCAGGTGCTGGGCAAAGCCGTTGCCAAGAAAACCGGCTGGAAA CTGCGCGGCGAAGACGGCTTTAAGCCGGATAACGCAGGGCAACATTCGCGCCTGGCTTAT GCGCAGGCAGGCGGCATTGTGTTTGAGCCTTTTTTCATCAGCAACGACACTGATTTGGCC TTGTTTAAGACGACCAAATGGGGCATCTGCCGCGCGATTGCGGACGCGATTGCGATGGAA TTGGGAGCGGCGAAGGTATGAAAAAGTCTTTGATTGCTTTATGTGTTGCCCATTGTGCAA **AGTTGAAAAACGATTTTGGCGTACCACCGTTACCTGAAATCAAAATCACGCCAAGCCCTG** TTCGGGTAGGCTCTTTGAAACAACATCCGAGCCTGCGCTTGGGTAAATCAGGCGTGGCGG CTGCTAAACGTGCGGCGCGCAAACGCAAGAATCGTCGTTAATCATGGGACAGGTTGCGTT TTACGAAAAGATGATTGGGCTGTGGTCGGCCAAAAGCCGTGAGGCAAGCGAACAGGCGGA CTTGGCTGCGTTTGAATTTGCGGAGGGCGAACTGGCCAATTATCGGGAAATGCTGAAACG GCACCTGCAAACCAAAAGTGTGGAATAGCAATGCGTATTTTGGATATTTTTAAAAACCCG GCGACAGGCAATGTGTCGCACTCGAAACTGTGGGCAAACGTTGCCTGCGCGGGTGGGACG TTTAAGTTTGTGATGTTGCCCGATCCGTCGGCGGAAATTTGGGCGGTGTATTTGGGCATT ${\tt GTCGGCGGCTATGCGGTGGCGCGTTCATTTGTCAGCGTGAAGCGTCAGGAGGTCGAGAAT}$ GAATCTCGTGAAACTGCTGGCGAATAACTGGCAACCGATTGCCATTATCGCGCTTGTCGG CACGGGCTTGGCTGTGCCACCATCAAGGCTACAAGTCGGCATTTGCGAAGCAGCAGGC GGTCATCGACAAGATGGAGCGCGACAAGGCGCAAGCCCTGCTGTTGTCGGCTCAAAACTA TGCGCGCGAACTGGAACTGGCACGCGCGGAAGCTAAAAAATATGAAGTCAAGGCGCACGC TGTCGGCATGGCTTTGGCGAAAAAACAGGCGGAAGTCAGCCGTCTGAAAACGGAAAGAGA CCTTTGCAAAATTCCTTTCCCTCCCGACAGCCGAAACCCAAACACAGGTTTTCGGCTGTT TTCGCCCCAAATACCGCCTAATTTTACCCAAATACCCCCTTAATCCTCCCCGGATACCCG ATAATCAGGCATCCGGGCTGCCTTTTAGGCGGCAGCGGGCGCACTTAACCTGTTGGCCGC GAAATAGGCTGCCCGCGCATAGCGGAATTTACGGTGCAGCGTACCGAAGCTCTGTTCGAC CACATATAGTGGATTAAATTTAAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATTTG TACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTAAATTTAATCCACTATAACGGGTCTT GCTCATAATGCCGTCCAACAACTGATGTTCTTCCAGATGTTGCCGGTTTTCCGCACTGTC ATAGCCTTTATCGGCATAGACGGTCGTACCTTCGGGTAACCCTTCCAACAACGGCGACAG GTGTTTGCACTCATGGGCATTGGCGGGGGTGATGTGCAGTTTCTCGATATAGCCTTCCGC ATCGGTACGGGTATGTTGTTAACCGAGTTTGTAGAGGCCGTTTTTCTTGATCCAACG GGCATCGCTGTCCTTACTCGGTGTGGTTTGGCCGCTGATTTGTCCTTCTTCATCGACTTC TATGGCCTGACGCTGTTCGCTGCCGGCGGTCTGAATAATGGTGGCGTCAATGACGGCGGC GGATGCTTTCTCTACTTTTAAGCCTTTTTCGGTCAGTTGGCAGTTAATCAGTTCCAACAG TTCGGACAGGGTGTCGTCTTGCGCCAGCCAGTTGCGGTAGCGGCATAAGGTGCTGTAATC GGGGATGCTCAGTTCGTCAAAACGGCAAAACAGGTTGAAATCGATGCGGGTGATGAGGCT GTGTTCGAGTTCGGGATCGGAGAGGCTGTGCCATTGTCCGAGCAGGACGGCTTTGAACAT GGATAGCAGGGGATAGGCGGGACGGCCGCGGTGGTCTCGGAGGTAACGGGTTTTTTGACG GTTCAGGTACTGCTCGATCGGCTGCCAATCAATCACTTGGTCCAACTTCAATAGCGGGAA ACGGTTGATGTGTTTGGCAATCATGGCTTGCGCGGTTTGCCGGAAGAAGGTGCTCATGAG AAATCCCCTAAATGTCTTGGTGGGAATTTAGGGGATTTTGGGGGGGATTTTGCAAAGGTCT CAGGCGGCAAATCGCCACCCTTCCCTTCAAACCTTCCGCCTGTCCCAACAGCAGACAGGC GAAAAAGCCCTTACCACTGATAACCGACAGATGCGGAAGCACCGAAATGGCCGCGCAAT TGCCGGAAGCCGTGCCTTTGATAATCCAATTTCCGCCGTCGGAAATACTGGAGTAGCCGA TGGCGTAACCGGCTTCGCCGCGATAAGTGCCGCCGCCGATCGCCATCATACTCTTGCCGG GCAAATACGCCTGAACCAGACCTGCGGTTGCAATCGCTTGGGCGATGCCCGCACGCGCGT TGCCGTCCACATTGTCGATGCGGTTGTTCAAGTTTTGCGCCACGCCTTTAAGTTGTGCGA CGTTTGTAACATCCCCCTCTTTAACGCCCGGGGCGACATTGGTAATGCGGACGGGTTTGT TGTCCTTCTTGCTGCCGACATTCAATGCGTCCCCATCCACGCTCAAAGTGGGCGCATCCG CCCCGCGCCGAGCGAAACGCTGGAAAACTGCGGGGTCATCGAAGTGGCGATGTCGATAT TTTTACCGTTGCGGGTAATCTCGATGTTGTTGCCGGCATTAATGTTGACGGTTTCATCCA TCTTTCCCTTGCTCGGCGAAACATTGCCGCTGATGACTTTGCCCGAAGAACCTGCAACCG CTTTGGAATCCAAATTCCAACCGCTGTTTTGCAGCTGATTGACGTTTAGGGCATCGCCGA TACCTTTACCACTAGCAAAGGTTACATTTGTGCCTGATGTAACGGTTTCAAACTTGTCAG CTTGACCTGTTTGACCATTAGCGGTTGTTGTTTTCATTCTCCAACCAGCCTTGTTTACTG CATCAATCACTTCTTTTGCAGTCACTAAGCCTTCGCCTTCGTCTGTAGAAGAACCATTCT CGCCTTTGTCTTTACCAGTAACCAACTTACCGTCTTTTTCTTTAATAACAGAAGTCTTCG CACCGATTTTAACTTCGGTTTTCTTGCCGTTGTCTTTGCTTTCCACATTAACAGTCGTTG TTTTCGTATCTGCGCTCAAGAACTCGACTGTGTCGTAAGTGCGGACGAAATCAACGTTAT TAACGCTTGCCGCACGTTTTTTCTCGTCATCGGTAACGTTGTCGTTGGTTACGTTTGTGG TCGCTCCGGTATTCAGCAGCGTATCGGTCAAAGTCGAACCAATACCGTTCAGATGAACCG TGGTGTCGCCGTTCGTCCCAGCCGTTTCTTTCGCAAAATTCAAGCCTTTGGTGTCGCTTG TGATGTTGACTTTATTGCCGTTTGCGCTAAACGATAATTTTTCAGTTCCAACACTGGTCA GGTTGTCGCCGGCTTTGAGGGTGATTTCTCTGGCTGTTAGTACTCCTTTCTCGTTGAAAT AATTGACTATCAACACGGCAACAGTGCGTTGTACGGGGTCTAAATATAAATCTTCTTCTT GCTCTTCATTGTTAGCACTTGCCTGAACCGTTGCAAACAACAGTGTCGCCAATACGGCGG TCTTCACGGTTGCGGAGGCGCGTTTGGTGTGTGCGTGTGAGCTCGGATACGACGACCC TGGTTTGTTTGAATGGTTAAATCGGGGTTTGGGGGCGGATGGTGCGCCATCCGCCCGGTT

TTTGGGGGTTGGGGGTTTTCTGATAAATTCCCCCAACTTAAAATCTCGTCATTCCCGCGA AGGCGGGAATCTGGGACGTGGAATCTAAGGAAACTGTTTTATTCGGTAAGTTTCCGTGCC GACGGGTCTGGATTCCCGCTTTTGCGGGAATGACGGCGGTGGGGTTTCTGTTTTTTCTGA TAGATTCCTGTGGTTTTTCTATGGATTCAATCATTCCTGATAAATTCCCATAATCTAAAA TCTCGTCATTCCCGCGAAAGCGGGAATCTAGGACGTGGAATCTAAGGAAACTGTTTTATC GGTTTCTGTTTTTTCCGATAAAGTCCTGCCGCGTTGTGTTGCTGGATTCCCGCCTGCGCG GGAATGACGGCGGTGGGGGTTTCTGTTTTTTCTGATAGATTCCTGTGGTTTTTCTATGGA TTCAATCATTCCTGATAAATTCCCATAATCTAAAATCTCGTCATTCCCGCGAAGGCGGGA ATCTAGGACGTGGAATCTAAGGAAACTGTTTTATCCGGTAAGATTCCGTGCCGACGGGTC TGGATTCCCGCTTTTGCGGGAATGACGGCGGTGGGGTTTCTGTTTTTTCCGATAGATTCC TGTTGCGTTGCGTTTTTGGATTCCCGCTTTTGCGGGAATGACGCGGTGGGGGTTTCTGTT TTTTCTGATAGATTCCTGTGGTTTTTCTATGGATTCAATCATTCCTGATAAATTCCCATA ATCTAAAATCTCGTCATTCCCGCGAAGGCGGGAATCTAGGACGTGGAATCTAAGGAAACT GTTTTATCCGGTAAGATTCCGTGCCGACGGGTCTGGATTCCCGCTTTTGCGGGAATGATG GCGGTGGGGGTTTCTGTTTTTCCGATAAAGTCCTGCCGCGTTGTGTTTCTGGATTCCCG CTTTTGCGGGAATGACGCGGTGGGGGTTTCTGTTTTTGCTGATAGATTCCTGTGGTTTTT CTATGGATTGAATCATTCCTGATAAATTCCCATAATCTAAAATCTCGTCATTCCCGCGAA GGCGGGAATCTAGGACGTGGAATCTAAGGAAACTGTTTTATCCGGTAAGTTTCCGTGCCG ACGGGTCTGGATTCCCGCTTTCGCGGGAATGACGGCGGTGGGGTTTCTGTTTTTGCTGAT AGATTCCTGTGGTTTTTCGGTTGCTGGATTCCCGCTTTTGCGGGAATGACGGCGGTGGGG TTTCGGTTTTTCCGATAAATTCCTGTTGCGTTGCGTTTTTGGATTCCCGCTTTTGCGGG AATGACGGTCGGTGGGGTTTCGGTTTTTTCCGATAAAGTCCTGCTGCGTTGTGTTGCTGG ATTCCCGCCTGCGCGGAATGACGGCCGCCGGACGGCAAACGACCATACACAATTATTGA CAACCCCATTTATTGCGAAAGTCAGCCTAGGAGAATCGATCTAATTGTCAACATTCCCTT TTTTTTGCCGAAAATTTACATTCGGACGACGAAAAGGGAAAAAGCCGTGTCGCATCTGTGC AACACGGCTTGGCGGGCGCAAACGGATATAGTGGATTAACAAAAACCAGTACGGCGTTGC CTCGCCTTAGCTCAAAGAGAACGATTCTTTAACAAGTGAATTGGTTCCGTACTATTTGTA CTGTCTGCGGCTTCGTCGCCTTGTCATGATTTTTGTTAATCCACTATAAAACGGTGTTCC CTGCCGCCGCAGGCGGAACGCCGGATGACGGGGTTTTCCCTAAGGGTGCGGCTGCCGCTA TATCACGAAATCCAACAGGTAGAAATCTTCTTTGCCCACGCCGCATTCGGGGCATTTCCA GTCGTCGGGGATGTCTTCAAACTTGGTTCCGGGGGCGATGCCGTGTTCGGGGTCGCCGTG TTCTTCATCGTAAATCCAGCCGCAGGGGCCGCACATATATTGCGCCATTTGTGTTTCCTT GTTTTTTGTATAGTGGGTTAACAAAAACCGGTACGGCGTTGCCTCGCCTTAGCTCGAAGA GAACGATTCTCTAAAGTACTGAAGCACCCGTACTATTTGTACTGTCTGCGGCTTCGCCGC CTTGCCCTGATTTTTGTTCATCCGCTATAAATCAGGGTTTGGGAGAATGGTGCGGTATCC GCCCGGTTTTTTTGGGGTTGGTTTTTTTCGATAGATTCCTGTGGTTTTTCGATTACTGGA TTCCCACTTCCGTGGGAATGACGGTTTGGAGGTTTCGGTTTTTTCGATGAATTCCTGTTG CGTTAGGGGGGGGGCTGGATTCCCGCTTTTGCGGGAATGACGGTTTGAGGGTTTCTGTTT TTTCCGATGGATTCCTGTTACGTTGGGGGCTGGATTCCCGCTTTTGCGGGAATGACGGTT TGAGGGTTTCTGTTTTTCCGATGGATTCCTGTTACGTTGGGGGCTGGATTCCCGCTTTT GCGGGAATGACGGTTTGAGGGTTTCTGTTTTTTCCGATGGATTCCTGTTGCGTTGGGGGC TGGATTCCCGCTTTTGCGGGAATGACGGTTTGAGGGTTTCTGTTTTTTCCGATGGATTCC TGTTGCGTTGGGGGCTGGATTCCCGCTTTCGCGGGAATGACGCGGTGGGGGTTTCGGTTT TTCCGCCTGTTTATTTTGCGGCTTCGATTGCCGCTATTTCTTTGCGTAGGTGTTTGATAG CGGGGGTTACGATGGCAACAAACATTGCTTCGCGGACGCGCCTTTGGGCGGGACTGCGCA TCAGGTAGCCTTTTGCGCCGGAATGCAGGGCGGCGGGATTGGGCGGCGGCAAGTGCCAGTA CGGCGGCGGCTTCGCGCAGCTTGAGGGTAGCAAGGTTGTCGGGCGTGCCGCTCCAAGCCA AGCCGGCGAGCCGTTCGGTTTCTGCCCACGCGCCGTCCAGCCTTGTTTTGAGGCTGTCGT AGCCGTCGTTGAGGTAGTTGTTGACTTCGGCGTTGACGACGTTGGCGAGGCGGATGATGC CGAGGCTGCCGTCGATTACGCCCGCGCCGATGCCGATTTGCAGGAGGATAAAGCCTGCTT TGATGCTTTGCATGTAGTCGGCAAACTGTTCGGGCGCGGCGATGATGTCTTCGTCGGGGA TAAATACGTCTTTGAAATTCAGGCTGAAGGTGCGCGTACCTTCGAGGGCGCAAAATTCGG GGCAGTTTTGCAGGCTTACGCCTTCCCATTGTCCGCCTGTGATGAACATAACGTAGCCGT CGCCGATTTGGGCGGTATTCGCCCAGATGTGGTCTTCACCGATGTTGGACACCCACGGCA GCGCGCCGTTGACTGTAGCCGCCTTCCACGCGTTCGGCTTGGAGGTTGTGTTTTTCGA TGTCGGCAAGGTGTTTGACGGTATTGGACATGCCCGTACCCGCCAATACTTTGCCTTGCA GGATGTCGGCAAGGTATTTGTCTTTGACGGCCCGGTTGGGCGTTTGGTGCAGATACCACG CGCAAGCCGCCTGACACCACGCACTGAAAGAGGTTGCGCCGCATTCTTTGCCGATTTCGC GCAATACGGCGATTTGCGTTGCCAAACCCAAGCCGTTGCCGCCTTCGGCTTCTGTACCGA CTGCGCCGAATCCACCGATTGCGCCGAGTTCGCGCATAAATGCTTCGGGGTAGTATCCTT TGCGGTCGATGTCGTCCACTATGGGTTTGAGCTTGGTTTTGACGAATTCGGCAACGTTGG CAATCAGGGTTTGGGCGTTCATCTTTGTTCCTTAAGGTTTGCGGGGAAATCGGGGGCGCG TTGAAAAACCGCCCGATATTCGGGCGGTTTGCCGTATCAGGCGTAAGCCTGCAATTCGGG GTTGATTTCGGTTTGTCCGAGGTTGTTGACGTAGTTGCACAGGGTTGCCAAGGCTACGCC CATCACGACTTCGACTGCCTGCTGGTTGTAGCCCGCATCGAAAAATGCTTTGAGTTC CTCGTCGGATACCGCGCCTTTTTTCGCCATTACGGCTTGGGTGAAGGCGGCGAGCGCGCC GGACAGGAGTTTTTTCAGGGTTGCGAGTTTGGTGTGCCCTGCCACGCAAAAACCGCATTG GTTGGTACGGGCGGCGATGATCTGGATGACTTCGACTTCGCCGGCGGTCAGGCTGTTGGC GGCGTTGAGCTTGCCGACTTCTTGGTAAAACGCCAAGGCTTCGGGGGGCGTTTGATAATAC GCCGATAAGGTTGGGGATAAAGCCGTTGTTTTGAAGTACCGCCTCGACGCGCGCTTTGGC

GCAAATATTGGGTACGGGCGCATGGTATGCATTTCGGAACGGAATAGGAAAGACTGATTG GTTATGTGCTGCAAACAAAAGGTTATAAGAAATGCCGTCTGAACATTTTTCAGACGGCAT GATGGAAAAGAAACGCGCTTATCGGCCCCCGCGCCCGAAATATTGCGCCAATGCGGCTT GGGGATTGGCTGCCTCAACCGTTTCGGGCAATTCGGTATAGCCGCGCGATAAAAGGTGGC GTGCATAAAGGCTGTTGCCCCTTTGCGCCGAACCAGACGGAAACCGCCAAGCCCAATACGT CGAATATCGCGCCCGTCAGCCCCAGCCCCAAACCCCACATTCTTTTGAAACACGCCCACA GCGTGCCGAACAAGAGCCCCGGCCATGACCAGCCTTGTTTGACGGCTTGGGGCGGCAGGG CGGGATGGGTGTAGATTTTGTATGGTTTCATCGTGTTTCCTTTTCGGTTGAAACCCTGCC CTTTGGGAAGGTAGGATCAGACTTTATAGTGGATTAAATTTAAACCAGTACGGCGTTACC TCGCCTTGCCGTACTATCTGTACTGTCTGCGGCTTCGTTGCCTTGTCCTGATTTAAATTT AATCCACTATATTTGGGAGGCGCGCGCGCCTGTGCCGGCATACGGCTTGAAAGCGATTAC CCGATGGGGAACTTCAAACCCGACAATGCCGTCTGAACGGTGTCTTGCCTTCAGACGGCA TTGCCTGCCTTCAAAGCGGACGCGCTTATTCCGCCCAGTTTTTCTTTTTTGCTGGTTTTTGC CTACGCCCGGGTTGAAGCTGTTGGTCGGGTCAAGTTTGCGGTAAAACTGTTTGAGCGCGG GCTTGGCTTCGTACAAATGGCCGACGTTGTGTTCGGCTGGATATTGCGCGCCGCGTTGAT CCAAGAGATGCAGCATTTCGTGTTCCAATGCCATGCAGTCGTTGCCTTTTTTGATGATGT AATCCTGATGGAAAACGTGGCACATGAAATGTCCGTAGTAGAGCTTGTGGATGATTTTAT TGTCGATTTCCGGCGGCAGTTTTTCAAACCAGTCGCGGTCGTCGCGGCGCAGGGCGATGT CAAGCGCGACCAAGTCCTCCACTTCGTCGTCGTACGGCACGGTAGCGGATGGCGGCTG AGGCGACGGCGAAACGGTGCAGCATCGCGGCTTGGGTTTCTTCGGCGTTGCACTCGAAAA TTCCGCCCATTTTCAGAATCAGGTGGTGTTCGTATTTGTCGCGGTAATCGCGCATGGATT TGGGCAGATGGTCAGGCAGGAATTTGCTGACGAACTGCATTGCCTTGTCGGAAAAATGTT TGGGCAGGAAGCTGACTTTTTTGCCGAACCTGTCCACGCGTGCCTTCAAATCAAATAATT TCGGCAGTTGGTGCGTACCGAATTTTTTGATGACGTAAAACGTATCTTTGCCGTACACGT CGGCAATGTCGAAAGCGTGGCGGTGGATGTATTCGCCGGAAACGGGCAGGCTTTCAAATT ACACGGCCGTTTGTTTTTCTTGCGGAAAGGTATCCAAGCGGACGGCGAATACCATCAGCT TGCCCGCGCAGCCCGAGGCTTCGTAATGGCGCGCTGGGTCGGCATTGAAACGCGCGGGGG TCGGTTCGTCCACTTGGCGGACATGTTCGCAATAGGCGTGGTCGTGTCCTTTGCCCGCGT CTTGCGTGATGTCTTTGTTTTGATAATGATGACCTTGAAGATTGGTCAGGATTTCTTCGG GCGTGTTGCCCAAGTCTATGCCCAAGTGGTTGACCAGTTCCAACCTGCCTTCTTCGTTGA TTTGGGCGAACAACGCCATTTCGGTGTAGGCCGGGCCGCCGCTGTACCAACGCGCCGCCAG AGTTGTTGCACACGCCGCCCAAGACGGACGCGCCGATACAGGATGAGCCGATAACCGAAT GCGGTTCGCGCCCCAAAGGTTTCAGCAGCAATTCGAGCTGGTTCAGGGTCGAGCCGGGCA GGCAGACGACTTGTTGTTGTTGATGGTTTGGATGATGTTCATCCGCATGGTGTTCA CAATCACGATGTCGCGGTCGTAATCGTTGCCGTCGGGGGTCGAGCCGCCCGTCAAACCGG ACATTTCCAGAATGCTTCCGGGGCGAACCACCGCCAACGCCTTACCCTCGCCGAAGCGGT AACCTTGGCGGTATTGTTCGGTTTTCGCGGGGTCGGTGATGATGTATTTTTCGCCTACGG TTTGGGTCAGTCTTGACAGTAATTGTGATGCGCTCATGGCAGTTTCCTTAAAATTGTCGG CAGGTGCATTGCACATTGGAATTGTTTTCACATTGTAGTTATACGTTATGGCAAAGTAAA GAAAATGCCGTCTGAACGGCTTTCAGACGGCATCGGTGCGATACGGGAACGCCGGAACAT CGAAGCTCCGGCGTTTCAAATAGGGCGGCGGGCCAAACCCCCGGCACTGGCGCATTGGAG TGGGCTGCTGGCTTCCGCCCCTGACCCGGTGTTCCGATTTGCCATGCGGGGAGACCCGCC TCAGAGAAACGGCATTATAACGGGTTTTCTGAAAAACTCAACCGTTTTGATACGGTCATA CGCCGGAAACACCACCTAAAATTTATATTTGATAATATTGTCAACAATTTCTCAAAGCGT TATTTTGTTTCTATAAGGGTATTTCCTGTTTCGGCATTGAAAAGTATCAAAAATTGAACT ACATTATCGCCTTTTCAAACTCGCCTGAAACCGACTTTTCAGACGGCATTCAAATAAAAA CTGCCAAACACGGACACCATGACCACGACTACCGCCCTCAGCGTATTCGGGAAATCC CCTACAACTATACTTCCTACACCGACCGCGAAATCGTCATCCGATTATTGGGCGACGAAG CGTGGCAAATCCTGCAAGACCTGCGCGGTCAACGCAAAACCGGGCGTTCGGCGCGGATGC TGTTTGAAGTGTTGGGTGATATTTGGGTGGTCGTGCGCAATCCGTATCTGGTCGATGACT TGCTGGAGCACCCAAAACGCCGCGCGCGCGCTGGTACGTGAAATGCGCCACCGCTTAAATG AAATCCGCAAACGCCGCGACGATAATCGGCAAGTGGATGTTTGGTTGCCGCAGCAGAAA AAGCAGTCGAGCGTTTTGATAGCAGTTTTGATGAAACCAGCCAAAAACGGCGGCAGATTT TGGAGCGTTTGAGCAAAATCACCAAGCCGCACAATATTATGTTCGACGGGCTGGCGCGGG TAACGCACGTTACCGATGCAACCGACTGGCGCGTGGAGTATCCGTTTGTCGTCGTCAATC CCGACACGGAGGCTGAAATCGCGCCTTTGGTGCGCGCCTTAATCGAGCTGGATTTGGTCA TTATTCCGCGCGGCGCGCACGGGTTATACCGGCGCGCGATTCCTTTGGACGCAAACA GCGCAGTCATCAATACCGAAAAACTCGACAAGCATCGTGGTGTTGAATACGTTGAGCTGG CAGGCTTGGACGCCAAGCATCCGATTATCCGGTGCGGCGCGGGCGTGGTTACGCGGCGGG TGGAAGAAACCGCGCATCAGGCAGGTTTGGTGTTCGCCGTCGATCCGACTTCTGCCGACG CGTCATGCGTGGGCGGTAATGTGGCGATGAACGCGGGCGCAAAAAAGCCGTGCTGTGGG GGACGGCGTTGGACAACCTCGCCTACTGGAACATGGTTAACCCTCAAGGCGAATGGCTGC GTATCGAGCGCGTGCGCCACAATTTCGGCAAAATCCACGACGAAGAAACCGCCGTGTTCG ACGTTCACACGCTGGATTCAGACGCATCAATATCGTTAAAACCGAACGCTTGGAAATCC CCGGCCACAAATTCCGCAAAGTCGGTTTGGGCAAAGACGTTACCGACAAATTCTTGAGCG GCCTGCCCGGCGTGCAAAAAGAAGGTACAGACGGCATCATCACCAGCGTTGCCTTCGTGT TGCATAAAATGCCGAAATACACGCGCACCGTGTGTATGGAGTTTTTCGGTACGGTCGCCA TGGCGGGTTTGGAACATTTGGACTGGCGTTATGTCCGCGCCGTCGGCTACGCCACCAAAG . CGGCGGGCAAGGGACGACCGAAAATGGTTTTGCTGGCAGACGTGGTTTCAGACGACGAAG CCGCCGTAGAGGCAGCCGCCGAACACATCTGTGAACTCGCACGCGCCCCGCGACGGCGAAG **YY U UU/UU /71**

GCTTTATCGCCGTATCGCCCGAAGCCCGCAAAACCTTCTGGCTCGACCGCAGCCGCACCG CCGCCATCGCCAAACATACCAACGCCTTTAAAATCAACGAAGACGTGGTCATCCCGCTCG ACAAGCTCAAACTCTGTGCCGCCTTGGAGCAATATCTTTCGGGCAAACTCCCCATCGACA AAATGGGCACTGACCTGCCGACCGCCGAACTGTTGGGCGAACGCGGCAAACACGCCCTGG CCCACGTTTCCGCCGTCAAAACGCGTTGGGAATGGCTGCTCGCCAATCTTGACACGCCGC TTGCCGACTACAAAGCCCGCTACGGCGCAGCCGTCCACGCCGCACCCGAAGCCAAAAACA TAATGAAACCGCTTTCTGAAATCTTCAGCGGCAAAACCGACACCAAAATTATCCAAGGCT TGGGAAAAATCCACGCAAAAACCGTACGCAGCCGCGTCTTTGTCGCCCTGCATATGCACG CCGGCGACGGTAACGTTCACACCAATATTCCGGTTAACTCAGACGATGCCGAAATGCTTC AGACGCCATACCGCTCAGTCGAACGCATTATGAAAATCGCCCGTTCGCTTAACGGCGTGA TTTCCGGCGAACACGGCATCGGCATTACCAAGCTCGAATTTTTAAGCGACGAAGAAATGC AGCCGTTTTGGGACTACAAAAACCAAGTCGATCCGAAACACCCTTCAACCGTCACAAAC TGATGAAAGGCTCGGACTTACGCAACGCCTACACGCCGTCCTTCGAGCTGTTGGGCGCGG AATCGCTGATTATGGAAAAATCAAACCTCGGCACGATTGCCGATTCCGTCAAAGACTGCC TGCGCTGCGGCAAATGCAAACCCGTCTGCTCTACTCACGTTCCGCGTGCCAACCTGCTGT ACAGCCCCGCAACAAATCCTCGGCGTGGGCTTATTGATCGAAGCCTTCTTATACGAAG AACAAACCCGCCGCGCGTTTCCATCAAACACTTTGAAGAACTCATGGACATCGGCGACC ACTGCACCGTGTGCCACCGCTGCGTCAAACCCTGCCCCGTCAACATCGACTTCGGCGACG TTACCGTAGCCGTCCGCAACTATCTTGCCGATTCCGGCCACAAACGATTTGCGCCTGCCG CAGCTATGGGTATGGCGTTTTTGAACGCCACCGGCCCGAAAACCATCAAAGCCCTTCGCG CCGCCATGATACAGATCGGCTTCCCAGCGCAGAATTTCGCCTACAAAATCGGCAAACTTC TTCCAATCGGCACGAAAAAGCAAAAAGCCGAACCCAAGGCAACCGTCGGCAAAGCCCCGA TTAAAGAACAGGTTATCCATTTCATCAACCGCCCACTGCCCAAAAACGTACCCGCCAAAA CACCGCGCTCCTTATTGGGCATCGAAGACGGCAAAAGCATCCCCATCATCCGCAACCCCG CCGCGCCCGAAGATGCCGAAGCCGTGTTCTACTTCCCGGGTTGCGGCTCTGAGCGTCTGT TCAGCCAAATCGGACTTGCCGTTCAAGCCATGCTCTGGCACGTCGGCGTACAAACCGTCC TGCCGCCGGCTATATGTGTTGCGGCTATCCGCAAGACGCAGGCGGCAATAAGGCAAAAG CCGAAGAAATGAGCACCAACAACCGCGTGGCTTTCCACCGTATGGCGAACACCCTCAACT **ACCTCGACATCAAAACCGTCGTCGTCAGTTGCGGCACTTGTTACGACCAGCTCGAAAAAT** ACCGCTTTGAAGAAATCTTCCCCGGCTGCCGAATCATCGACATCCACGAATACCTGCTCG AAAAAGGCGTGAAACTCGACGGCGTAAAAGGTCAGCAATACCTCTACCACGACCCCTGCC **ATACCCCATCAAAACCATGAACGCCACCCAAATGGCCAGCAGCCTGATGGGGCAGAAAG** TCGTTTTAAGCGACCGCTGCTGCGGGGGATCCGGTATGTTTGCCGTCAAACGGCCAGACA TCGCCACTCAGGTCAAGTTCCGCAAACAAGAGGAAATCGAGAAAAACCTCAAAGAGCTGC GCTACGCCGACGACAACAATATGCCTGCCGACTACATCGTCATCGAAATGGCGAAATACA TCCTCGGCGAAAACTGGCTGGATGAGTTTGTAAAAAAAGCCAACAACGGCGGTGTAGAGA **AAGTGTTGCTGTAACAACGGACACGGAAATGCCGTCTGAACGCCGAAAGCCTTCAGACGG** CATTGTTTGAACCAAATATAGTGGATTAACAAAAATCAGAACAAGGCGACGAAGCCGCAG ACAGTACAAATAGTACGGCAAGGCGAGGCAACGCTGTACTGGTTTAAATTTAATCCACTA TCCTTGCCCCTATGCAGGGTCTGGTCGATGACGTGATGCGCGACCTGCTGACGCGTATTG GCGGCTACGACGAATGCGTCAGCGAATTTGTACGCATTACCCATACCGTGCATTCCCGAT CCATATGGTTAAAATATGTCCCCGAAATCGCCAACGGAAACAAAACGTTTTCCGGCACGC CTTGCACCGTCCAACTTTTGGGCAGCGATGCGGACAATATGGCGCGAATGCGCTGGAAG CCGTCCGCTTCGGTGCGAACAAAATCGATTTGAACTTCGGCTGCCCCGCGCCCCACCGTCA ACAAACACAAAGGCGGCGCAATCCTTTTAAAAGAGCCGGAACTGATATTCCACATCGTCA **AAACGCTGCGCGGACGTTTGCCCGCACATATTCCGCTCACCGCAAAAATGCGGCTCGGTT** ACGAAGACAAAAGCCGGGCTTTGGAATGCGCCTGTGCGATTGCCGAAGGGGGGCGCATGCG GACTGACCGTACACGCGCGTACCAAAGCCGAGGGTTACGAACCGCCGGCGCATTGGGAAT GGATAAGGAAAATCCGAGACAGCGTCAATATTCCCGTTACCGCCAACGCGACGTTTTCA GCCTGCAAGACTATATCGGCATCAAAACAATCAGCGGCTGCAACAGCGTGATGCTCGGTC GCGGCGGGTCATCCGCCCCGATTTGGCGCGGCAAATCAAGCAATACGAGAACGGCGGGC CGGTCAAAGACACGGATTTTGCCGAAGTTTCCAAATGGATACGGCAGTTTTTCGAGCTGT GCCTGACAAAAGAGGCAAACAACAAATATCCGCTGGCGCGGCTGAAACAGTGGCTGGGTA TGATGAAGAAGAATTTGCAGCAGCACAAAATCTGTTCGACCGCGTCCGAACGGTTAAGG ATGCGGACGAAGTTCGGAACATCTTGGCTGAATTTGAGCGAGAAATGAATACTTGAATAT **GTATAGTGGATTAACAAAAACCGGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGAT** TCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCT TCGTCGCCGTGTCCTGATTTTTGTTAATCCACTATATCCGCTCCAAAGCAAATGCCGTCT GAAAACCTTTCAGACGCATTTGTTGTCTTTATTGCCGTTTTTCGTCCGTATCCGGATTT TTGTTTTCAGCTTCGCACCCAAGCCCAAACGCCTTTCATAATCCGATTGCGGAGTATCG TCTTCCTGCATACCGAACGCGCCGGCATTGACCCACAGCGCGACAGCAGCGCGACAAAG GCGCAAAAGCCAATCACATACCAAAACATTGCCCCTCCCGATTTGTTAAAATCATATCAA ATACAGTGCCGAATTTATCACAAACGCACGGGCAAATATAGTGAATTAAATTTAAATCAG GACAAGGCGGCGAGCCGAAGACAGTACAAATAGAGACCTTTGCAAAATTCCCCAAAATCC CCTAAATTCCCACCAAGACATTTAGGAGCACCTTCTTCCAGCAAACCGCCCAAGCCATGA CGATCGAGCAGTACCTGAACCGTCAAAAAACCCGTTACCTCCGAGACCACCGCGGTCGTC CCGCCTGTCCCCTGTTGTCCATGTTCAAAGCCGTCCTGCTCGGACAATGGCACAGCCTCT CCGATCCCGAACTCGAACACAGCCTCATCACCCGCATCGATTTCAACCTGTTTTGCCGTT ...TCGACGAACTGAGCAGTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTGC CGTACTATTTGTACTGTCTGCGGCTTCGTCGCTTTTGTCCTGATTTTTGTTAATCCACTAT

ACTTTATGCCGCTACCGCAACTGGCTGGCGCAAGACGACACCCTGTCCGAATTGCTCAAA CTGATTAACTGCCAACTGACCGAAAAAGGTTTAAAAATAGAGAAAGCATCCGCCGCCGTC GTTGACGCCACCATTATTCAGACCGCCGGCAGCAAACAGCGCCAGGCCATAGAAGTTGAC GAAGAAGGACAAATCAGCAGCCAAACCACCGAGTAAGGACAGCGATGCCCGTTGGATC AAGAAAACGGCCTCTACAAACTCGGTTACAAACAACATACCCGTACCGATGCGGAAGGC TATATCGAGAAACTGCACATCACCCCCGCCAATGCCCATGAGTGCAAACACCTGTCGCCG TTGTTGGAAGGTCTGCCCAAAGGTACGACCGTCTATGCCGACAAAGGCTATGACAGTGCG GAAAACCGGCAACATCTGAAAGAACATCGGCTGCTGGACGGCATTATGCGCAAAGCCTGC CGCAACCGTCCGCTGACGGAAACGAAACCAAACGCAACCGGTATTTGTCGAAGACCCGT TATGTGGTTGAACAAAGCTTCGGTACGCTGCACCGTAAATTCCGCTACGCTCGGGCAGCC TATTTCGGACTGATTTGCGCCCGCCTGCCGCCTAAAAGGCAGCCCGGATGCCTGATTATCG GGTATCCGGGGAGGATTAAGGGGGTATTTGGGTAAAATTAGGAGGTATTTGGGGAGAAAA TCAGAGTGAGTTTATTTTGGGGCGGCGGCAGGTCGGGGCAAGCGGCGTGGGGCTTGGTT GTGGTTTTTAGGTTTTTGGGGGTAAAAAATGCCGTCTGAACTTTTCAGACGGCGTTTGTT TTTTCTATCCAATCGAGGAACTGCCGCCATTTTTCCAGCGGCATATCGGCCCGACGGGTT TGCGCCAACTCGGCCTGTGTCAGTTTGCAGCGGTTGCGAAGGGTGCGGAGGTTGTAAGGC GTGTAGCCGAGTTCCATGTCGTTGCGGTTTATTTTGTTTCGCATATTTTTTTGACTGCCC GGCGGCAGGTTTCGGTAAGGATGGCGGCAAATCGGGCTTCGTCTGCCGGTTTGCCGTCGA ATTCGCCGTCTGTCTGCCTGTGGATTTTGGCAATCAGGCGGGGATAGCGGCAATGGGTAA TGAAACGGCTTGCGCCGTCTTGCCCGATAATCCATTCGGGGTAGCGGTTGAATAGTGCGG CTCTGTTCATTTTGTTCGTGGGATAAAGCCCCTCGCGGGGCTTGTGGTCAGGCAAATTTG AATATCAGTGCCAACACGGCGGCGATGGCGGTAACCAGCCCGGTGGCCGCTATCATGGGA TACCAGCGGGACTCTTGGGCTATTTTTACGGATTCGGCGTTGATTTTGTGCGCGTCGGCA ATGATTTTGGCGATTTCGGCATCTATTTTTCTCAGACTGGAGTGTTTCATTTCTTGTTCG **ATTATGTTCATCGTACTTCCTTTCGTTTTTGGCGGTTGCCGCCGCTTGTCGGATGGTAGG** ATGTCTGCCATGTGTATATATTGATACCTTTTAGGTTTTATTGCAAGTGTTTTGGGCGGC GGCTTCGTATGCTTGGCGGTGGCGGCGGCTGTACCATTCGGCGAGTTCGCGCCGCTCTTG GAGGCGGTAGCTGTCGGCGGTCAGGTAGTGGTGCAGGCTTGAGAAGCCGGCGCGTTGGAG GGCGGCGCGGCTGATGTGGCCGAGGGCGAGGTCTGTTGTGAGGGTGTCTTTTCCGGCGGT CAGGCTGATGTTGGTGAAGAGGTGGCGGAATCCGTGCATTGTGTTTTGGATTTGCCGGG GGTGCTGCCGTCATAGCCCAGTCGTCGGATGGCGTTGTGGGCGAATTTGATGCTGATGTG GTCGGGATGGGGGGGGGTTTGCGCCGTGGGCGGATGCCGGGGAAAAGGTGGATGTTGTC GCCGGTCTGTGTGTGCAGCTCTCGGAGTATTTCTACCGCCCAGTCCGACAGTAGGACGGT AAAGGGGTGTTTGGTCTTCATGTCGGCGGGGGGGTGTGCCATAACCGGGCGGTGAGGTC CATCAATCCGCGCCCCCCGATTTTTCCGTTGGCGCGCAGCATTTCCACCGCCTGCCGCA CCGACATCAACCGCTTGCCGTTGCGCCTCATCGCCTCCACCAAAACCGCCGAAATCAATT TGGCTTCTTCCGGTTTAAGCTCCGTCTTGCCCGCATCGCTGCGCCGTTTGCGCGTCGGCT TGACGCTGACCGCCTCCAGCTTGCGGTATAGCGTGGCAAGGCTGATGCCCAATTCCTGCG CCTGCTGCTTAAGATATGCAGAGCGTGCGCCGCGTTCCATTGCTTCCGCCTGATTCTCGA ${\tt CTGCCTTAAGACGCTCAATCATTGCCGGATTCATCGCCTTCTCCCGTTTCACCGCCCAAC}$ CATTCCGGCACATTGTCTGTCGGTGCTTCAGTCGGCAGGGCATAGCTTTCGCGCAGTTGC TCGCAGTCCAAAATAATTTGATTGAGCGTGCCGACCATCTTTGCCTGATGGCTGATCCCG TGTGCCTCACTGTGCGCATTAAGTTGGTCGAACAAATCTTTCAGACGGCTCACTTGACTG CGGATACCGACCTCAAGGCTTGTTAACTGCATCGCCAACTCGCTGCCTACGTCTTCCGCC TTCGGCTCTCTGACAACGGTTTGCTTCTTAGCCAGCTTCTCGGCCAGCTCATCAATTTTG GCTGTTTTGGTTTTCATCACTTCGTCTTTTGGCGGCGAGGTTTTCGCGGCTTTCGCGCAGG GCGACGCGCAGCTCGCGCACCGTCATTCGGTCCACATCGTCAAAGGTCATGCCGTTGACT TCTTCCCCTTCGGCCAAACCCACCAGCGTAACGTCTTCTTCGACCAGCAGCTCAAGCAGC TTCGACTTGCCCAAATCCATCAGCTTCGGCGCGCTTTCTGCATTTGCGGGGTCGCAAAG CGGCGAGTGGCTGACATCAGACGTGATGTTTCTGCGATACCCAGCCCAAATTGGCTTTTC ACAATTTCCATAAACCGTCCGTGTTCCGTATGCTCTTTTAAAATAATCAGCGCACGTCCC **ACTTCGAACATGCCTTCCATCGTCTGCCGTACTGCTTGACGACCGCGTTCAACCCAACGC** TCTTCGCTATAAGTCTCGCCGTTACCCCACTGCTCCATCACCAGCACACTGCGCATCGCT GCCTGATTGCTTACTTTGTCGGTTGCGATAATTTCAATTTCTGTATTCATTTTTATCTC CAAAGTTTCCGACGTCGGAAACTTTCAAAATCCGTTAATCCACATCGACCCGCTTGCCGA TTTCGGCAATCTTGCTTTGCAGCCGTTCATGCTGCTGCCTGAACCGCTCTGCGATTTGCA **GGGTTTTGATGCCGTAGGCGTAGTTGCCGTTTTCAAGTTTGATGACCAATCCCGAGGCAA** CCTTATTGCTCAGACCGATAATCGGATGCTCGTCAAGCGCGATAAAGACCCTCAATAGCC GTTGTACCCTTTTACTTTCTGCCATCCGCATCCTCCTTATTTCAGTCCCAGCTTCTTGGC **AATTTCGTGCCCCTTGCCGTAATTGCCTTTGCGCTGTCCGCCGATCACCAGATACACATC** GCGCGGCTTAAAGCCGTTCTCTCTTGCCCACTGCGCCAGCGTCTGGCCGTTTTTGGCAAA ATTTTCTTTCAATTCGTCTGCCGTAAGCATTTCTTTGGCCTGTACGCGGGAAAATTTCAG TATCCGTCCGTACGGTTGGTTAATACACTCATGATTAATCATCGCTTTTCTCCTTCATCC CCAGCAAAACCGCCGCTTCGTGGCTTTTGCCAAAATTGCCTTTCAGCTTGCCGCGCAAGA GGTGCTCCACCGTGGTGCGCTCCAGATTGAAATATTTCGCCCAATGCGCCTTGCACACCC CGTTGCGCTTAAACCACCCGGCCGCGCTCTCGCGCGTTTGCGGATAGGAAATAGGCTTGA AATTCAAAGGTTTTTCCATATTATTTATGCCTTTCGTGTGATATAATGTGTTTTTTTA GGTCTCTTTGCACGATAAACATCCGGTCTGTTGTGCAGCAGCAGGGTCTTGGCTTGTTTT AAAGTAAACAAGCTTTTTCTCGTAGCTGGGTGTATGTGATCCATCATGAGCTGTCGCGCA TGAGCCTTCAAAGTGTTCATTTTTCGTCCTTTCTCGTGATGATTTAGGGTGTTTGTGTT

TCGATGTGGAAATTATAGGAAGAATTCTTCCTATTTTGCAAGGAATATTTATGAATAACT AAATCGCTGAAAAATGTGGGGTTTCAGGAAGAATGTGGGGGGATTATGAACGTGGCATCA GCCAGCCAAAAGCGGAACTTTTCTTCCAATTTGAAAAGGTGGGTATAGACGTTCAATACG TCATGCACGGCAGACGCGGCGAAACAGCGGTCATGCCGTCTGAAACCCTGAACGCCGAAG AACAAGAACTGCTGGTCTTGTTCCGCGAGGCGGCAGCTGCCGACCGTGAAATGATTCTGA TGGTTGCGCGCAGGGCAGAGAAAAAGCCCCAAACTGCGCTTGGTAAAGTGAGTAATGGAT AAAATGGATCAATTCGAATTGTGCCAAAAAGAACATGTCAATCCATTTGCCTTGTCAAAG CAATATCTATTGGTTGTAACATTCGTCAAATCCAGCAGTAAAAATTTTCAGGCAGCATTA CTTTGGGCAAGAAGTGCCAAATTATTTGAGAATCTTGAGATTGGAAAAGAAACCATCTAT TGCTGCGCTTTCGATAAAACAGCAGAACAGGCTGGGATGGCCGGGGTATTTTTGAATTAT ATTGAAAATTGGAATGGCAAACAGATTTACATCAATGGCCGAATCCATAGTGGCAGTATT TATGATTTGTTAGGGGTTTTAGACTGCTATCAAAAATCACAGTCCTGTCCCAACCCTAAA AGCCACTGTTGCTTTGTTTCAGACGACATTTTTCTATGGCATGGATCAAGACCAACGTTT GAAATCAGTCTTGATCTAACTGGAAAGAAAAAAGAAACATCCTCTGCAAAGAAATTTGTG ATGCCTTGTATTAATTTCCGTCACCATAGGATTGAAAAAGAAACCTACTTAGGAAATTGG AATGAACAAATTGCCGCATTGGCAGTAAAACAAAATATAGATTGGTGTCCAAGTTTTGAT ATTGAGAATTTTAGACAGTATGAATAATTACTATCTATATAGGAATTGCAGCAGCGATGT GTTATGGGTCAAACGTATCCAACGCCAAATCGACGCCAGCCTACTCTTGATTTCTGACAA TTCAACCTATCCACCCATGCCCTTGGCACTGGCGGAACACCCCGATATTCAAATCATCGG GCAGGTAGTGCAGGTATCAAAAGACTTGAACTAGACACAATCAAAAAGGGAAATAGAATG AAAATACTCGCTTTATTAATTGCCGCTACCTGTGCTTTATCTGCGTGTGGCAGCCAATCT GAAGAACAACCGGCATCTGCACAACCCCAAGAGCAGGCACAATCCGAATTAAAAACCATG CCGGTAAGCTATACCGACTATCAATCAGCAGCCAATAAAGGGCTGAATGACCAAAAAAACC CATGACTTTTCAGACGGCCTCACAATCTTAACCGTTGATACCGATAAAGCCGACAAAATT ACTGCTGTCCGAGTAGTCTGGAATACAGATGCAATGCCTCAAAAAAGCGGAAAAACTGTCC AAAGCTGCCGCAGCCTTGATTGCGGCAACCGCTCCGGAAGACCGCACAATGCTGCGTGAT ACCGGCGACCAAATCGAAATGGCGATTGACAGCCATAATGCGCAAAAAGAGCCAACCCGA GAATGGGCGCGTGGTGGGATTGCTTATAAAGTCACTGTTACCAATTTACCGAGCGTGGTT TTGACGGCAAAAGCTGAGTAAATCTATTAAGTAGAAAAAATAGAAAGGGAAATGATGATT GAGAAAAGTATTTCTATTGTAGATGGAAAGGAATACTCCGTTTTTGCTGTATCACACGAG TTTCGTTATACCTTTGATGAGCCTATTTTAGTCGCTGACTTGATTAGTTCTCTAAAAGCT TATGAAACACTGACAAGTAGTTATCTTCCAGCAATTTTGAATCAGCTGTTTGATGTCAAA ATCCAAAAAATCAAAGTAGCTGTATCTGAAATTGAAAGAGGATCTTTCCTTGAAAAACTG ATTTTCAATTTATTCTTCAAAGATGAAGATGCTTATAATGAATTTTGTCTTAAAATACGA **AAATTTCTAGGAACAGAAAATCAGGACGGAAGTATTAATATGTCCAAAATCATTATGTTT** GCAATGACTACACTTTTAGGGGTAGGTGCTGGTTATCTCTTGTTTAAAAACCCGCCACAA GAGAAGCAGGCAATAACCAACAACATCGTTACCGTCATTAATGCTGATAGTTCTGTCGCA ACTGCAGAAAATGTGGCAAAAGTATATGCTCCAGCAAGTAAAAATAATGGCAGTATTACC CTTGGGACAGATGATGTTCGGATTGAACCTGTTGCACAACAAACTGTAGCAACTTTGCCT AAAGATGTGGACTTACGTGATACGCCATTGACTGAAGATTACACCGATATTGATGTGCAA ATTCGTGCTACTGACCGTGATAAAAATTCAGGGTGGTATGCAGTCATAGACCAAATTGTT GCTACTATCCGTGCAAATGTAACAGTTGAGTTTGACTTAAAGCAAAATGGCTCTCGTAAG CCTAAAAAATCATCCTCACATCTCTCTCTACTGATTAAGTTTTAACCCGTATTAAAGGC TTAGTCAGACGGCCTTTCCTACAATCCCTGTATTGATTTTTAATTCAATACAGGGATTTT TCCATGTCAGACAAGTTCAACCAATTCATCAACCGCGTCCTCTCTCACGAGGGTGGTTAC GCCAACCATCCCAAAGACCCCGGCGGCGAAACCAATTGGGGCATCACTAAGCGCACCGCA CAGGCAAACGGCTACAACGGCTCCATGCGTGCCATGACGCGTGAACAGGCAATCAGCATT TACCGTAAAGCGTTTTGGGAGCGTTACCGCGCCGACCAAATGCCGGAAGCGGTCGCGTTC CAATTTTTTGATGCCTGCGTCAACCACGGTTACGGCAATGCCGCCCGTATGCTGCAACGC GCCGCAGGCGTACCGGACGACGGCGTTATCGGAGCAGTCAGCCTCAAAGCCATCAATTCC CTTCCCGAAAACGACCTTTTATTGCGGTTCAACGCCGAGCGTCTGGTCTTTTATACCAAG CTCGGTACGTTCACCTCTTTCGGCAAGGGCTGGGTACGCCGTGTGGCGCAAAACCTGATT CACGCGTCTGCAGATAACACTGATTAAAGGGAGATAAACCATGTCAAAAAAAGTCACTCAT CGCCCTAATGACCGCAGCCATGCAGCCCGATTTCAGCCACAGCGACCTAGGCATTCGCTA CGCCATGCCGACTCAGGGATGTTGGACGCAAGCCCACCGCAAGAGCGGGGTAGCCGCCGC GAAACGCGCAGCCAAAAAAAAGCGTCACAAATAACCGCCTTTTTCCGATGGCTGGGCGGC TTGGTCTCTAATCCGGCCACAGGAAAAATCAGCCATACCAAACTATGGGCAAACGTCGCC GCAGCCGCCATGACTTGGAAGTTCGTGCAGGCGGCGGACGCCCCGAATGGCTCTAGTGG GCTTATGGCGCATTGGTCGGCGGTATGCATTAATCAAACGCGGCATCGCGGCGATTCCG TCCGAGCCAAAAAACGGCTGCTTTGGGCATTTGTGCTTTTGCTTGTGTGGACGTGCGGTT ACCGATACGCCGCCGACAAGGCCGAAGCGAAACAAACCGCCCTGATTGCCACCTATCGGC ATTCTTCTATGGTTGCGGCGGAACAATATGCCTTGCAGCTTAAAAAAAGCGCAGGACGAAA GGCAGCGGTGGTACGACTTTTCCCAAAAACAAGGAAGAAAGCCCCGTGAAAAAAACAGTATC CGCCGCAAACGAAAAAAGCCGGCTATCTGAAAACCAAGGAAGAACTGCTTGCGGAATTGG CTTGCCTTAAAGCGGAAATGGTTGCCCTAAAAAAGCCCGATGCCTTAATCCATGGGAAAG AAGTGCGGCAGAAAGAACGCAACTCGTCGCAGGGTTAAGGCAATGCCATCCGTTGAACTG CTGTTGGAGATTGTCCTTCTATTACCAATTGGCCGTCCAATCGGCAGAAGACAAATATGC CGATTTGAAACGGCATATCCATGATATTTATCGACGACATAAGGGAAGATACGGCTACCG -GAGGATTGCGGCAGCCATCCGTCACGCAGGAACACCGGTCAATCACAAGAAAGTCAGCCG TCTGATGGCGAAGACGGGGCTGAAGGCAGTGATACGGCGGCGCAAATACCGCTCGTTCAA

AGGAGAAGT CGGCAAAATTGCGCCGAATATCCTGCGACGCTGTTTCCATGCAGAAAAGCC GAATGAGAAATGGGTAACGGACGTTACCGAGTTCAATGTAGGCGGAGAAAAGATATACCT TTCTCCGATTATGGATTTGTTTAACGGGGAAATCGTCAGTTACCGTATTCAAATCCGCCC GACTTTCGATTTGGCCGGCGAGATACTGAAAGGTGCGCCGGAGAAACCGGGATCGTCTGA AAAGCCGATACTGCATTCGGATCAAGGTTGGCAATATCAGATGTTTTTTATCAAAAGCAG TTGAAAGGCAACGGTCTGGTTCAGAGTATGTCCCGCAAGGGAAACTGCTTGGACAATGCG GCAATGGAAAGTTTCTTCGGAACGTTGAAATCGGAATGTTTCCATACGTGCAAATATGAT TCCGTTACCGAATCGTAAGCGGCACTGCACGAATATATCCGTTACTACAACAACGATAGA ATCAAGTTGAAATTAAAAGGACTGAGCCCTGTTCAGTACAGAACTCAGTCCCTGAAAGCC GCTTGATTAAACTGTCCGACTTTTTGGGGTCAGTTCGGCTTCGGCATTTTTTTATCCGTT GGGTAACCTTTTTAAAAAATGCGTGATGACTTTTGCATTTTTAAGGCGTTTTTTGGGGT AATTCGTGA.AAAGTTACCCCAAAAGTTACCCCATAAATGGCGAAAACTCAAGCATACGCC AGCATCCTGCAACACAAAAAAGCCTTGAAACTGTTGAAGTTCAAGGCTTTTTTGTGTTGC AGGATGCTGCTGAAAATAGGGTATGGTGGAGGCGGGGGGAATCGAACCCCCGTCCGAAAG TCCTCTACAAAGCGTTCTACATACTTAGTTGTGTCTATTTGAAAATCTTATTTCCATCAT GCCGACCAACAGGCCTTTTGGAAACCAGTTACCTTAAGTCTTATTTCCTGCCAAGTAACC CGGTAGGAAACCAGTCAATGTAAGATGACGTTGCGGTGGCTTTCGCCACACAGCCCATTG ACCGACTGCTGCAACGGCTAGCCTTAAGCGGCTAAAGCGTAAGTTTCGTCGTTTGCGACT **ATTTGAATTCAGTGTTTTTACGGGAATCTGAGACCCCGGTATGCCCGCATCTGCTTCGCAA** CCCTCGTCGAAACCAAGGTCGCCCCCAGAAATGGTTTGCAAATTATACGGATATTGTGCG GTGCTGCCAAGTCTGTCGGAGAAATTTGTCAGTCTTGCTGCCTTAATTTGCGTTTGAGCA GGATGCGGACGCAGCCGTCGTTGCCTTCCCGGGGTTCGGCGTAGGCGAGTACGTCGGGGT GTTGCATCAGCCAGTTTCGGGTCATATTTTTCAGAACGGGTTTGTAGCCTTTGGAACCTA ATCCGCTGCCGTGGATGATTTCGCCGCATACGCCGCGTTTTTTGGGTGAATGCGATGAATT CGTTGAGGACTTTTTGGGCTTCTTCCTGTGTGTAGCCGTGCAGGTCGACATCGGTAACGA CGGGATAGTATCCGTTTTTCAGGCGTTGGATGTCGTTTTTTCCCTGTCCGTTTTTTGCTGA AGCTGGCGGCGGTCGTTGTATGTGCTGCCGATGTAGAAGTAGTTTTCTTCGTCGGCGC GGTTGTCTTTGGGACGGACTTTGATGGGGGGTTTTGTCGGGCGGCGCATAATATTGCTGCC GGTTTTTTAATGGGGAGAGTTGTCCGACTGCTTGTGAAAAATCGAAATCCTGTTCTTGTT GTTGTTTGAGGATGTTTTGGAAGTCGGTATTCATATTTTTTCCTGTTATTTGTCCGATGG CTGTTTCGGGCGGGGTTTTAATTTGCCGGAATGTTTGCCAATCGGGGGAGGATGATTTTG TTGCCTGCGTATGTTTTTTGAAAGTGTGATTGTATATCAAAAAGAAATGCGGCAACCGTC GGCAGTGTTGATTGCCGGAAATGCGGACCGGTCGAACCGATATGCCCGAACGCCTGATAA AGTTTTAAAAACCTGCCTTGCGAAGCAGGCTGACGTGTTTTGCCAATCTTGAATTGCCGG AAACGCGAAACACGGAAATCTGATGTTTTATAGTGGATTAACAAAAATCAGGACAAGGCG ACGAAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTA GAGAATCGTTCTCTTTGAGCTAAGGCGAGAACGCTGTACTGGTTTTTGTTAATCCACTAT AAATGTTCCGATACGAACTGCAAAATATTGGTTTTGTTTCTGACAGGCAAAAGCACTGTT TATTTGGCTGTCAAAAGGATGGTTAAGGAAAGTTATGCGCCCCTGAAGCGGGCCCCAGAT AAGGATGGTTGCGCCGACGGCTTCAGACGGCATTTTGGCGGCGGTGTTGGGTTTTGTATC CGGTTTGCCGTTGTGTTTTGTGATGATGATTTTTGGGCGCGCGTTTTTCTGTTTTGATGTGT GAAATGCCGTCTGAAAGGCGGTTCAGACGGCATAGCGGTCATTTTTGTGCGGTCAGGCGG TCGAATATGCCGCCGTCGGCGAAGTAGGTTTTCATGATGTTGTCCCATCCGCCGAATTTT TTTTCGGGAGAGAGGTGTCTAAGTCTGGGAAGTCGGCTTTGTGTCTTGCCAATACTTCG GGGTTGCGGGGGCGCAGGTAGAGTGAGGCGGCGAGTTCTTGCGCCGGTTCGCTCCAAAGG TATTCGAGATAGGCGCGGGCGGTTTTTTGCGTGCCTTTTTTCGCGACGACGCTGTTGACG ACGGCGACGGGGCTTTCGGCGGAAATGGTGTAGCTCGGATAGACGATTTCAAACTGTCCT TGGGTCAGTTTTTTGCTGACGTAGTTGGCTTCGTTTTCAAAAGTGATGAGTACGTCGCCG ATGTTGCGTTGTGAAGGTGGTGGTGGCGCGCGCCCCGTTTTCAAAAACGGGGGTG TTTTTGAGGATGGATGCGACGAGTTTTTGGGCTTCCTGTTCGTTGCCGTTGGTGGTTTTC AGACCGTAACCGTATGCGCCGAGGAAGGCGTAGCGTCCGTTGCCCGAGGTTTTGGGATTG GCGATGACGATGTTAACGCCGTCTTTGGCAAGGTCGTTCCAATCGCGGATCTGTTTGGGG TTGTTTTTCGGACAAGGAAAACCATAGTGCTGGTGTAGGGCGCGGCGTGGTCGGGGAGG GCTTGTTGCCAGCCTTTTTCTACCAGTCCTTTTTTTTCGAGCAGGTCGATGTCGGAGGAT TGGTTCATGGTTACGACATCGGCTTGAAGGCCGTTGGCTACGGATAATGCCTGTTTGCTG GAGCCGCCGTGGGACTGTTGGATGCTGACGGATGTGCCGGGGTGTTCGGATTGGTATGTT TTGATAAATAAGGGGTTGTATTCTTTGTAAAAATCCCGTGCCACATCGTATGAGGCGTTG TGGTTTGAATCGGCTGCGGGCTGCAGGCGGTGAGCAGGGCTGCGGTATAGAGTGCCGGT GCGTAGGTTTTCATATGCTTGTCCTGTCGGTTGGTAGATGGGGCAACTTTATACGGCTGT CTGCGCTTGTGGAAATAATGTTTGATTTGAAGATTATCAGTTTTTGGTTATAAGGACGGAT CAGAGGTGTTTCCGCATCAGTTCGCATTTGATTTTGATGCTGGGGTCAAGCTGCAATACT GCCGAACCGAGCGATTCGTAGCGGTTGAGAAGGTAAAACGGGACGGAGTTGAGCGATGCG TAGAGTTTCAGAAAGCTCAAACCGGATTTGTGGGCGATGGTTTCCGCCTGATGAAGTAGG GCAGTGCCCAGTCCGAGGTTGTGGAACAGGGGGTGGACGTAAAGTGCATCGAGTTGTGCT TCTTGGCAGTCGATTTGGAAAAATCCCTGTATGTTGCCTTTGTATTCGGCAACCCAAAGT GCTTTGTCGGGATCGGAAATGGTCGGCAGGTAGCTTTCTGTGTTTTAGCAAGCCTTCCCAT ACTTTTAGGGCGTGTTCGTTGTAGCTGAGGATGCAGGTGTATTGGACGGAGTGCAGGTGG ACTTTGAAGATGTCTTTGCAGTCTTGCACGGTGGCGGGGGGTAACAGTGTCAGCAGGCTC ATGGCGGTATGTCGGCGGCTTCAGACGGCATCTGTGCCGTTGGTCGGATTATAGGGACTG ATGCAGTTTTTTTGCTTCTTGAAATGCGGTGTCCGAATCGGTGGTTAAAACGGTAAAGTG TCCCATTTTCCGCCCTTTGTGCGCGGTTTTTTTTGCCGTAAAGGTGCAGGTGTGCATTCGG ATGGCTTTGCAAGGGCAGCCAATCCGGTTCGCCGCCGTCTTCCTGCCAAACGTCGCCCAA AATATTTGCCATACAGCAAGAACTCAGTAATTTGGTATCGGCAGGCGGCAGGTTGCACAT **AATGCGTACCTGCTGCAACTGGTCTGCTGCGCAGGCATCTATCGTATGGTGTCCGGA** ATTGTGCGGGCGCGGGCGATTTCGTTGACGACCAATTCATGCGTGTCACCGACAACAAA CATTTCTACCGCCAATACGCCGACATAATCCAATTCGTCCGCCAAGCGTTGCGCCATCTG CCGCGCCTGTTGCTGCACGTCGGCACTCAGTCGCGCGGGGACGATGGAATAAGCCAAGAT GCCGTTTTCGTGGATGTTTTCGGCAGGGTCGAAAGTTTGCACGTTGTCATTGTTCAAACG GCATACGATTACGGAAATTTCACTGCGCAAATCCACCATTTTTTCCAAAACGCAATCCAC GCCGCCGTGTTCGGCAAACGCGGCTTTGAGTTCATCCAATGTTTTTACGCGGATTTGACC TTTGCCGTCGTAGCCCAACGTAGCCGTTTTCAGGATGCCGGGCAAAAATTGCGCGCTTGC TTCAGTGATGTCTTCAGCCTTACAAACCACTTGATACGGCGCGGTTTGCAATCCCGCTTT GCGTATCCATGCCTTTTCCTGAATGCGGTTTTGTGCAATCGCCACACAATCGCCGCTAGG AGTGGTCACCGCCGCGCATTTTGCCAATTCGTCCAAAGCAGCTTGGTCGTTAAACGGCGC GCACAAATGGCGGTCGGCAAATTCTGCTGCCGGCGCGTCCGGATCGGGGTCGAGAACGGT TACTTTGTAGCCCATGGTTTTGGCGGCAACGGTAAACATTCTGCCTAATTGTCCGCCGCC GAGGATGCCAAGCATGGCGGGCGGAGAAAGAGATATGTTTTTCATGCTGACTCTTCAAAT TGTACAAGTTGATAGCTATAACTAATTCTTGACGGATGTCTTGTATCGCTGGAATTACCA GTTTCAGAAATACAGAATACTTTTTCCATAAATTTTTCTGCTTTTAGAAATTCCAGTATT CTGTTTTTTCATCCTTATAAGCACCGCGGTCTGTACCCCATGCAAGAATAATCATATCA GCATCTTCCAAACATCCTTTAAATTTGGAAAAATCGGTTTGGGTGTTTGCCCTAATTCCT GTTTGCTGTGTAGAGTAACTGGAAAAAATATTTAACATTTTGAAGTTGGTAAAACCGTAC ATATCCAAGAAACGTGCAAGTTGGGTAAGGGTTTTGTCGCTTCTTTCATCATTTGCTTTA CTTGGATTAATTCCTATAGCGACAGCTGAGAAATTTTTAGGATTTTCTGTGTTGCCGCTC CATCTAACCGTTAGGATTTCTCGATTTTTTTCATTATCTGTATAGAGACCGTCTTTGGTA GTCGGTCTGAGTGTTTGGCGAAGCTCATAAAGTTTTTCATAAGTCATTTATCCAACCCTT CCTGTACCATTTGCGCGGCGTGTATGACGGCTCGGGCTTTGTTTTGTGTTTCCTGCCATT CGGAGGCCGGATCGGAGTCGGCAACCACGCCCGCGCCGCTTTGGACGTATAGCGTGTTGT TTTTTACTACGGCGGTGCGGATGGCGATTGCCAAATCCATGTCGTTGTTGAAACCCCATA CGCCGACGGCACCGCCGTAGATGCCGCGTTTGCTCGGTTCGACTTCTTCGATGATTTTCCA TGGCGCGGACTTTGGGTGCGCCGGAGAGTGTGCCGGCAGGGAAGGTAGCGGCGAGGATGT CCATGTTGGTCATGCCGTCTTTCAGACGGCCTTCGACGTTGGAAACGATGTGCATTACAT **GGGAGTATTTTCAATCACCATTTTGTCGGTAACTTTGACTTCGCCGGTTTTACTGATGC** GGCCGACGTCGTTGCGTCCTAAGTCAATCAACATGACGTGTTCGGCGATTTCTTTGGCAT CGCTTAACAAATCTTGTTCGTTGGCAAGGTCTTCGGCGGGGGTTTTGCCGCGCAGGCGCG TGCCGGCGATGGGGCGGACGATAACGTCGTTGCGTTCGCGTCGGACGAGGATTTCGGGCG AGGAGCCGACGATGTGGAAATCGCCGAAATCGTAGTAAAAGAGATAAGGCGAAGGGTTGA GCGTACGCAGGGCGCGGTAGAGGGCGAGCGGGCTGTCGGTGAATTCCATGCTCATGCGCT GGCTGGGGACAACCTGCATGCAGTCGCCTGCGAAGATGTAGTCTTTGATTTTGTTAACGC AGGCTTTGAACGGCTCTTCGCCGAATTCGCTGACGGCTTCGGTGTGTTTTGCTGCCGAGCG AGAGCGGGATGGCGCAGCTTTGGCGCAACTGGGTGCGGATGTCTTCGAGGCGTTCGCGGG CGCGTTCGTAGCCGTCGGGCTGCGACGGATCGGCGTAAACGACGAGATGGATTTTGCCGC TCAAATTGTCGATCACCGCCAATTCTTGCGACAGCATCAGCAAGATGTCGGGCGTGCCGA GCGGGTCGGCTTTGGTGGTGTTTTTCAGGCGGTGGGCGAAGTGTTCAAAATTGTAGATGG TTTCGTAACCGAAGTAGCCGACCAGTCCGCCGGTAAAGCGCGGCAGGCTTGGGATTTCGG GTGTTTTGAAGCGGTTGTGGAAGGCTTCGATAAAGGGCAGGGGTTGCCGTCGTGTTGCT CGACAATTTCGCCGTTTTGATAAACATCGACGTGTTTGCCGCTGGCTTTGAGATAGTGGC TGCAAGGCAGGCCGATAAAAGAATAGCGGCCGAAACGTTCGCCACCGACAACGGATTCGA GCAGGTAGGTATAGGGGCGGTTGGCGAGTTTGAGATAGAGGGAAAGCGGCGTATCCAAAT CGGCAAGGAGTTCTTGCACGAGCGGGATGCGGTTGTAGCCTTGGGCGGCTTGGGCTTGGT ATTCTTGTTTGCTGATCATTTCTGCTTTCCCAAAGGGCGGTTTCGGACGGCGCGCAACG GGCGCGAGTATAGCATTTTATCGGAATTGTTGACAGTCTGACCGGAGATGCCCTTGGATT CGGATTTCAAGTGCAACACTAGTGTATTAGTGGTTGGAACAGATTCAAGAATAAAACACT TGGCGTTTCGTAGCCAAGTGTTTTTCTTGGTCGGTGGTTCAACTCATCTTGAACCCTGCG TCCGTTGGTGTTCTCATTCAGCCCTTTCTCCCAAGAATGGTAAGGGCGACAAAAATAAGT CTCCGCTTTCAATGCTTTGGTTATTTTGGTGTGTTGGTAGAACTCTTTGCCGTTATCCAT GGTGATGGTGTGCACCCTGTCTTTATGTGCCTTTAATGCCCTAACAGCTGCCCGGGCAGT GTCTTCGGCTTTGAGGCTATCCAATTTGCAGATGATGGTGTAGCGGGTAACGCGTTCGAC CAAGGTCAATAATGCGCTTTTCTGTCCTTTGCCGACAATGGTGTCGGCTTCCCAATCGCC GATACGGGATTTCTGGTCGACGATAGCGGGTCGGTTTTCTATGCCGACACGGTTGGGTAC TTTGCCTCTGGTCCATGTGCTGCCGTAGCGTTTGCGGTAGGGTTTGCTGCATATTCTGAG ATGTTGCCACAACGTGCTGCCGTTGCTTTTGTCTTGGCGAAGGTAGCGGTAAATGGTGCT GTGGTGGAGCGTGATCTGGTGGTGTTTGCACAGGTAGGCGCATACTTGTTCGGGACTGAG TTTGCGGCGGATAAGGGGGTCGATGTGCTGAATCAGCTGCGAATCGAGCTTATAGGGTTG TCGCTTACGCTGTTTGATAGTCTGGCTTTGCCGCTGGGCTTTTTCGGCGCTGTATTGCTG CCCTTGGGTGCGGTGCCGTCTGATTTCGCGGCTGATGGTGCTTTTTGTGGCGGTTCAGCTG TTTGGCGATTTCGGTAACGGTGCAGTGGCGGGACAGGTATTGGATGTGGTATCGTTCGCC TTGGGTCAGTTGCGTGTAGCTCATGGCAATCTTTCTTGCAGGAAAGGCCGTATGCTACCG CATACTGGCCTTTTTCTGTTAGGGAAAGTTGCACTTCAAATGCGAATCCGCCGCCGTCTG AAACGCCAAACGGGCTTCAGACGGCATTTTTGACGGCGGAGGTCTATGAGCCGCAGGTTT TCGGCTTGTTCGCCAGAATATTGATGACTTTGCGTTCGGCTTTTTTGCGGCTCGATTTTGA TTTCGCTCTCGTCTTCTTCGCTGCCGTCTGAAAAACGTTCGGGCATTTTTTCGCTGTCAA ACGCCAAATCGCCGCCGTGTTTCAGGCTTTGACCGCGTTCCAATCCGACAAAGTCGAAGA **GTTCGGTATCGGCAAGGTGGGAAGGGACGACGTTTTGCAGGGCGGAGAACATCGATTCGA** TGCGGCCGGGGAAGCGTTTGTCCCAATCGCGCAGCATATCGCCGATGACTTGGCGTTGCA GGTTGGGTTGCGAGCCGCAGAGGTTGCACGGGATGATGGGGGAATTGTTTTAATTCGGCGT TGTCGCTCACCAGCTTGGGCGGCATGGCTTTGAGTTTGCCGCCGTAAAACATATTTAAAA ACAAGGTGGCGAGGATGTCGTCGCGGTGGTGTCCCAAGGCGATTTTGGTGCAGCCCAATT CTTTTGCAGTGCGGTAGAGGATGCCGCGCGCGCGGGCGGCTGCACAGCGAACAAGTCGTTT TGCCTTCGTCTAATACGCGTTTGACGGTGGAGTAGGTGTCTTCTTCAACGATTTTGTAGG GAACGCCGATGCTTTCGAGATAGGTCGGCAATACTTCTTCGGGGAAGCCCGGCTGCTTTT GGTCGAGATTGACGGCAACCAGTTGGAAATCAATCGGCGCGCTGGCTTGGAGCTGGCGCA GGATGTCTAACAGGGCATAGCTGTCTTTGCCGCCGGAGAGGCAGACCATGATTTTGTCGT CCGGCTCGATCATATTGAAATCGTTAATCGCGTCGCCGACGGCGTGGCGCAGGCGTTTGC TGAGTTTGTTTTCGAGTTCTTGTTTGGTTTTTTTGGACATGGCGGTTTGGGTTTGAA **AATTAGAAAGGCGGCATTGTAACCGATTGGCGGGGGGGCGCAATGCCGTCTGAAGGGCTTCA** GACGGCATCGGCGGCTTATTCTGCATTTTCGGTTTTAAAGAAGAGATGAACCGCTTTGAA GATACCGCCGTTTGGGACGGTCAGTGTTTTTTGTGCGGCGGAGAATTTAATCACGGTAAG GGCGGTAAAGTTTTCCGAATCTTGAACGCTGTCGAGTACGATGCCGGCCTCTTCGCCGTC CGCCGTCAGCAGGGTTCCTGCTTCGACGGCCGAATTTCCCGACAATACCGCCAAGCCGCG TTTGACCTGCCCCGATACTGGGCACGGGCAATGATTTCCTGTCCCGGATAGCAGCCTTT TTTGAAGTGTACGCCGCCGATGATGTGCTGGTTGAGCATTTGGGCGACGGCGGTTTCTTT GGTAGCCGCGCATATCCACGGATAACCGCTACGGATTTCGTGCAGCCGCCACGCGTTTTC GGCGGCGCATCATAAGGCGGCAAGGCGTTTTTGGGGGCGATGTGCAAAATGCCCCGATG TGGCAGGACGACGGAACAGATGCCGTCTGAACCGCATTCGGCGGTAAAGGCGAGGCTGGG TTCTTGCGCGGCAAGCGGTTCGGCGGATGCTTCTAATTCCGCGCCGACGGCGTAATCTTC AAGGATTTCAAAAACGGCTTTGGCGCGTAACACAAACATCCGCAAACGTTTGACCGTTGC TTCAAGCAGGTCTTGCGCCATAATCAGCAGCAAATCGCCGCCTCGGTTGACGACAATCAT ATTGGCGATGACGCGGCCTTTGGGCGTGTTGTAAGTCGCATAACACGCCTGCCCGGTCTG AAGGTGGTTGATGTCGTTGGAAAGCTGTCCGTGCAGGAAGGTTTGGCGGTCTTCGCCGCT GACGCGCACCACGCCGAAAAAGGGCAGTAAGGTTTTCATCATTTGCGTACTCTGAAATAT AAAGGAAATCTGTTTATGCAGTTGCCGCGTCTCTCTCACGGCGGTTATTTTGATTTCGA CGGCAACCCAAGCGTCCCACACGCCGTTCATTTCCGCATAGTCGCCCATATCGCGCAGAT TTTGGGCAAGCACGTCGGCAGTCTGTTCGGCAGCCGTTTCACCGTTTTCGGGAACCATGC CGGAGAGGAAAATCAAGCCGTTTGCGCCGACGGCTTCGGAATAGCGGGGCGTTGTGCCGA **AATATCGGATATCCATATCGGTTTCCTTCGATAAAGGGGATATATGGTAACATTGCGCTT** GACCGATTTCCATGTTTTGCATGACGAAAAATGAGTAAACACACTTATCCGATAACACCT GCCGTGCGCGTTTTGCGTGAAAACGGCATCGAATTTGAACCTTTTACCTATGCCTATGAG GAACACGGCGCACGGCGCAGTTTGCCCGACTATTCGGCAAAGACGAACACTTGGTCATT AAAACCATTGTTTTGCAAGATGAAAACGGTAAGGGGCTGATTGTCTTGATGCACGGCGAC AAGCAGATTTCAACCCGCAATCTGGCGCGCGCATTTGGGTGCGAAACACATCGAACCCGCC ACGCCCGTACAGGCAAACAAGTGGACGGGCTATCTGGTCGGCGGCACAACGCCGTTCGGC ATCCGGACAAAGTTGGATATTTACGTCGAACAGTCGGTGATGGATTTGGAAACCATCTAT ATCAACGGCGGAAAACGCGGGTTCATTATCGGCATCCGTCCCGGAGATTTAAATATTTTG AACCCGAAAACAATACAGGCGGCGGTTTGACGGGAAAGTATAAAGGAACAATATGGACAA AGATTTGTATGCCGTATTGGGCGTGTCGCCGCAGGCGGAGCGGACGAAATCAAACGCGC CTACCGCAAGCTGGCGATGAAATATCATCCCGACCGCAATCCGGGCAATCCGAAGGCGGA AGAAAAGTTCAAAGAAATCCAACGGGCTTACGATACGCTTTCCGACCTGTCGAAACGGAT CCGCGAACAGGCGCGCAGGGAGCAGTTTTACCGCGAACAGATGCGCCGCGAACAGGCGTT CAGACAGGCGTTTGAACGGCAGGCATCACGTTCGTGCCATACTTACGAACCGTCCGGCGG CGGAAGCGGGCGCAACTATGTCCTCGCCGCCTACATCCTGTTCGGTTTGGGTGCAATCAT GCTGTTCATGCCCATAGTCGGCGTGATTTTCGCCTATATGCCCATAGTCGGCGTGATTCT CGCCTATATGAAACGGAACAGTTTGGACAGCATTGTCTATGCCGCACATACCGAATACCT GATTAAAACCTTTTGGCGCACATTTTGGCTTTATATTTTGGGTGCGCTGACTGCCCTTTT GGGTATCGGCGTGCTGATTATTATTGCAACGAACGTCTGGTATTTCTACCGCATCATCGC CGGCTTTATCCGCTTCAACGGCGGCAGGGCGGTTGCACCCGAGAAATGGATATAGTATGG CTTACCTGTTAATCAGCATCGTGTTCAGCGTGTCGGTTTCCATTTTGCTGAAAATGGCAA GGAAGAAAAAATCGACATCGCGCAGGCGGTCGCCGTCAATTATGTGGTCGCGGTCATAC TGACCCTGCTGGTATTGAAGCCGGATATCGGCAATATCGGCGCATTTTTGCCGACGTGGC CGCTGTTTGCCGCTTTGGGCGTGCTGCCGTCCGTATTCGTGATAATGGGCAAATCTG TGGAAGCCGCCGGTATCGTCAAATCCGACGCGCGCGCGTTTGTCGCTGTTTTTGCCGA TTGTTGCCGCCTTGACGCTGTTTGGCGAAAAACTCAGCGAAGGCAAACTAATCGGGCTGT GCCTCGCATTTGCCGCACTGTTCTGCCTGCTTTGGAAACACAGCGGTGGCAAAAAATCAG GAAGCGCGTGGCGGCAGGCATTGCTGCTGGGCGTGTGGGCAGGTTACGGCATTATCG ATATCCTGTTCAAACAGCTTGCCAAAAGCGGAACGGCATTTGCGGGCAACCTGCTGGTTG CATTTGTGCTGGCGGGTGTGCTGATGTTTGCCTGCCTGTTTGCCAAATCGGTCAGATGGC GTGTTGAGAGTGTGGTCGGCGGCATATTCTTGGGCGGTTTGAATTTTATGAATATCGTAA CCTACATCACCGCGCACCAAATGATGAAGGATAATCCGACCTTGGTTTTTGCCGGTATGA ATATCGGCGTGATTGTTTTGGGTACGCTTTCGGGCGCATTGTTCTTTAAGGAAAAATCA TCTGAAGCAGCATCCCTGCTTCAGACGGCATTTGTCTGCAACGTTACAGATGGGGGTTCA TCAGGTTCTCGGGAGAGAGGATGCGGTTGAGTTCTTCTTCGCTCAACAGCCCGCGTTCCA AGACAACCTCGCGCACGCCTTTGCCGGTTTGGGCGCAGATTTTGCCGACCAAATCGCCGT TGTGGTGTCCGATATACGGATTCAGATAAGTCACCAAACCGATGGAGTTGAAAACGTAAC GTTCGCAGATTTCGCGGTTGACCGTAATGCCTTTGACGCATTTGTCGGACAGGTTGACTG CGGCATTGCCCAAGAGGGAAATGGTTTCAAACATACATTGGGCGATGACCGGCTCCATCA CGTTTAATTGCAGTTGCCCGGCTTCGGCGGCGAAGGTAATCGTCGTGTCGTTGCCGATGA CTTTGAAGCAGACTTGGTTGACCACTTCGGGAATCACGGGATTGACTTTGGCGGGCATTA AAGAGAGCAGGCGCAAGTCGTTGCAGATTTTGGAGAGTTTGACCGCCGTGCGCTTCAATG CGCCGTGTACCATCACATATGCGCCGCAGTCGGAGGTCGCCTCAATCAGGTTTTCGGTCA GTTTGCAAGGCAAGCCGCTGACTTCGGAGAGTTTTTTGACCACCAGTTCGGCGTAGCCTT TGGGCGTGTTCACGCCCGTGCCGATTGCCGTTGCGCCCAAATTGACTTCCAACAGCAGTT GGCGGGTGCGGTCGAGGTTGAGGATTTCTTCTTCCAACAACACTTGGAAAGATTGGAATT CTTGGCCGGCAGTCATCGGCACGGCATCTTGAAGCTGGGTGCGGCCCATTTTCAAAACGT ATTCGCCGATGCTGTAATACACGGCAAGGCGGAAGCCCGTGGGATAGGCATCGTTGGTCG ATTGGCTGGCATTGACGTGATCCATCGGATTGACGATGTCGTAGCGGCCTTTTTCGTATC CCAAGACTTCCAATGCGAGGTTGGCGATGACTTCGTTGGTGTTCATATTGACCGAAGTAC CCGCACCGCCCTGATACACGTCGGACGGGAATTGGTCGAGGCAGCGGTTGTTCAGCAGAA $\tt CTTCGTCGCAGGCTTTTTCAATGGCGGCGGCGATTTCGGGCTTGACCGCGCCCAACTCAC$ ${\tt CGTTTGCCTGTGCCGTCGCCTTTTTCACCATCACCATACTGCGGACAAACTGCGGCACGT}$ CAGAAATTTTTTGTGTGGAGATTTTAAAGTTTTCAATGGCGCGCAGGGTGTGGATGCCCC AATACACTTCGGCGGGAATCTCGCGGTCGCCCAATAAATCGTGTTCGATACGGACAGTCA TGTTTTTACCTTTGTAAGTCGGATAATTAATATTGAAAAAATGCGCCATCGGAAAGATGC CGCCGCAGGATGAACACTATACCGGCCGGATGAAATTGTCCATATCGTATGCCGTCTGAA AACGGGAAACGTTGTTTTCGGGTGTTATAGTGGATTAACAAAAATCAGGACAAGGCGACG AAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAG AATCGTTCTCTTTGAGCTAAGGCGAGCCAACGCCGTACTGGTTTTTGTTAATCCACTATA CTTTCCGGACTTTCCGGCAAGCCCTGCCTGCCGCTGAAATATCTTTCGGCGGATTGTGCT CCGCCATATCGGCTTACCGTTGGCGGGGCGGTTTGATGAAGACGGCACAAATGCCGTTTG AAGGACGTTCAGACGGCATTTGTGCTGATTCGCATCAAGATTTATTGTTTGGCTGCCTCG ATTTGGATGTCGATGCGGACGCTTTTGGTCATACCAACGTTAACGAGGTAGTCCATGCCC CATTTGGTGCGGTCGATGGTGGTGCTGAAGTCGCCGCCACAAACTTCGGTTTTCTCCATC GGGCTTTGGTAGCAGTTGAATTTTTCGGCTTTGAGTTTGACGGGGGCGGTTTTGCCGTGC ATGGTCAGGTTGCCGTCAACGGAAACCAGTTTTTTGCCGTTGAAGTTGAATTTGGTGGAA ACAAAGCGGATGTCCGGATATTGGGCGGCATCGAAGATGTCGGCTGATTTCAGGTGGTCG GTAAAGTGTTGCGAACCGCTTTGCAGGTTGGCAATGGGGATGGTGATGTCGATTTTACCG TCGCGTTTTGCTTGGTCGAACTCGACGGAACCGGTCAGACCGTAAAAACCGCCGACGTTG GTGCTGGTGTTGAAATGGTCGATGGCGAAACGGGCGTTGGCGTGATATTCGTCCACTTTG TAGGTGGCGGCGGAGGCAGTACTGATGGCGGCGGCTGCGAGTGCGGCGAAGATGATTTTT TTCATGATGATAATCCTTTGTGTGGGCCGGTAAAGGCGTTTATCCTAACATAGGCAGGGA TTTATGGCATTTCCTGCCGGTAAACGGTGGGTTTGCAGGCGGTTGACGAACGGGGCGGCC GGAAAAGGGCGGATGAAAAAGCGCGGTGTGATCCGCGCTTTGTTTTTTACAAGGCGGCG AGTACCGCATCGCCCATTTCGGAGCAGGAAACGAGTTTTGTGCCTTCTTCGTAAATGTCG TTGGCTTTGTTTTGTCCGGCGATGTCGGGGGCGGAGCCGTGAGACGGTTCGTACAGGCCT TTGCCGTTTTCGTCCAGCGAGGCGGAAGGCAGCATACCGATGGAGCCGGTCAGCATGGAG GCTTCGTCGGAGAGATGTCGCCGAAGATGTTGCCGGTGGCAATGACGTCGAATTGTTTG GGCGCACGCACGAGCTGCATGGCGGCGTTGTCGACGTACATATGGGAAAGCTCGACATCA-GGGTACTCTTTGCCGATTTCTTCAAAGATTTCGCGCCACAATTCGGTGGTTTCCAAAACG TTGGCTTTGCCTACGGAACAGACTTTTTTGCTGCGTTTTTTGGGCGGATTGGAAGGCAACA TGGGCAATACGGCGGATTTCGCTTTCGCTGTATTTCATGGTGTTGTAGCCTTCGCGTTCG CCGTTTTCCAGAACGCGGATGCCGCGCGGTTCGCCGAAATAGATGTCGCCGGTGAGTTCG CGCACAATCAAAATATCCAAACCGGCAACGATTTCAGGCTTCAGCGTGGAGGCGTTGGCT AATTCGGGATATAAAACAGCAGGACGCAAATTGGCAAACAGGTTCAAATCCTTACGGATT GCCAACAGGCCGCGCTCAGGGCGCAACGGACGGTCGAGGTTGTCGTATTGAGGAGAACCG ACTGCACCAAGCAGGACGGCATCGGCTTTGCGGCAGAGGTTTTGCGTAAATTCGGGATAA GGATGACCGTATTCGTCATAGGCTTCGCCGCCCAATGGGGCGTATTCGTAGCCGGCATCC AAACCTTGGGCGATGAGTTTGTCGAGTACGCGGACGGTTTCGGCGACGATTTCGGGACCG ATGCCGTCACCTCGGAGGATGGCGATATGTTTGGTCATTTCAAGTTTCCTTATGGGTTGA TGGTTGAAGGGTTATTTCTTTTTGTATTTGTGTGCAATTTCGTGCCAACGAGGTATGGAA ATCGATCGGTTGTAGTGTTTTTTATAGGCTTCCTCAAATTTCTTTTTCCATAAGGATGCG TTATGCCGTGTTGCCGGGTTTTGATAAACGGTTTCTTCAATTGCGGAAACAAAATCTTCC **AAGCATTCAAACATAGGCATATTCTTTTTATTTATGCTGTACCAAACACCCGGGCGGATT** ATTTGCCATACTTTTTTAAGCCATAAATCCTTGATGGTTACATTGCCGTTGTCGTCCATA GAATACATTTTAAAATCTGCAATATCAAAACCCGGACTGGCATTTCGGTTGAACGCCTTT ACTTCCAACAATTCTCTACTGCGGTCTTTTTTATTTAAAAAGAAATCGGGGGGCATTTGG **GTATTGGTTGAAACATCAAATTCAATTTCCCTTTTTCTCAACCATCCGCCGAGCCATTCC** TGAATGATGTTGCCGACGACATCTTTTTGTTTGACGATAATATCCACATCGCCCAAGAAA **AATCTAATTTGACCATTGACCGATAAGATTTTTTCCTCATTCAGCAACTTATCAAATATT** TGTTGTGCAGTAAGTTTTACCATTTTATCCCTATCGGTTTATAAAGTATGCAGAAGCCTT TCAGATACCGCCTTAATCACAGGAACGGCAACGGTATTGCCCAATAAATCGTATTTGTCT TTTTTAGGAATATCAAACGAATAATCGTCCGGATAGCCGAATAAGCGTAAACCTTCTTTT CCGGTAAGTGTGCGCAAACCGCCGTTGTCAACGACGAAAAGGTGCTCCATATCCATTGCA _ACTAAGGTTGGCGCAACATCATTTGGGTCTAATATTTTATTGATTTCAAATGATTTTTTT

TTTTGTTTCGGATGCTCCAAAACCAAATAGCCTTTATCTGTCAGGCTGTCCAAAATATTT TGAAGATTGGGGTGTTTATAGAAAGTTGAAATTTGCGCTTTTGTCAAAGGCATCCCATCC ATCCAATCGATGCCGATTTCTGAAGCCCATTTTTTCTTCCTCCGTTCTTTTAGAAGCATA TTTAATAATTGCTTCTCTTCTTCGGTTACTGTGCCTTTTAATTCAATATCCCAACTGTGG ATATTGTTTTTCCCTCCCGTTTGTCCTTTACTGATTTTCCGTACAGTTCGGACGGGGGA AATTTCTTTAGCAATTTTTTGATGAAAGGACTGCTTTCGGTAGGCAGTCCCGATTCCAAA ATATTTTTTAATTTCGGACTTAGGGTTGTTTCAAAAGATAAGTCGGGTTTGGATTTCAAA CTGCCTGTCAGATAAATACGCTTCCTGTTTTGGGGAATGCCGAAATCTTTTGCATTTAAA ACTTTCCAAGAAACATAGTAGCCCAATGTTTCCAAGGTTTCCAAAATAACGGTCAGGGTG CGTCCTATTTTTGTGTCGGATCTTTTCTATCGTGCGTCACCAATCCTTCCACATTTTCC AAAATAAAACCTTTTGGTTTTTTTGCCTTTAAAATCCTTGCCACATCAAAGAAAAGCGTT CCTGCCAACAAGATGTCAAAATCGGGAATATCTCCCGTTTCAATTTTCGTTATATCTCCA TACGGCACTTCATCAGGGTAGTTTTGCTTCAATACTTCCAAAGCTGCCGGTTTGATTTCT GAGGTAAAAACACATTCGCAAGCAACCGACTGTTTCCGACAGGCTTGTTCAAATCCTTTC CTGATACCGCTCATCCCGGAAAATAAGTCAATAAATTTAATTTGTTGCATATTAAAAATC TAAAAATTTATTGAAATGGAGAGTTGCATTATTGCATTAATTTAGAGTGTCGCTAAGCC CGCTTAAAAGATGAAAGCAATTTATCGCCCCTCTGTTTACATTAGCCGCAACAATTATAT GTTATCAGGAATGCCGTCTGAACGGCCTTCAGACGGTATAGGTTTTAACCGTTAAACAGC CAAGGCTGGCTTTGGCGGCGTTTTTCTTCAAAGGCGTGAATTTCGTCGGCGTGTTGCAGG GTCAGACCGATTTCGTCCAAGCCGTTTAAGAGGCAGTGTTTGCGGTGTTCGGTAATGTCA AATGTGAACGTTTCGCCGCTTGGTGTGGTCAGGGTTTGTTCGGCAAGGTCGATGGAGAGC TGATAGCCTTCGTTGGCTTCAACTTCTTTGAAAAGTCGGTCAACCCGTTCTTCGGTCAAC ACGATAGGTAAAAGGCCGTTTTTGTAGCAGTTGTTAAAGAAGATGTCGGCGAAGCTGGGG GCGATGACGGCGCGGAAGCCGTAGTCGTCCAATGCCCAAGGGGCGTGTTCGCGTGAAGAG CCGCAACCGAAGTTTTTACGCGTCAACAGGATTTGCGCGCCTTGGTAACGCGGCTGGTTC AGCGAGAAATCAGGGTTCAACGGGCGTTTGCTGTTGTCCATGCCTGGTTCGCCGTGGTCG AGGTAACGCCATTCGTCAAAGGCATTGGGGCCGAAGCCGCTGCGTTTGATGGATTTTAAA AATTGTTTGGGGATGATGGCGTCGGTATCGACGTTGCTGCGGTCGAGCGGGCGACGATG GCGGTAATTTTGGTAAAGGCTTTCATGGGTTTGCGTCTTGTGCTGACGATGCCGTCTGAA GCGGTTTCAGACGGCATCGCGAATCGGTTATTCGGTGGCGTTTTCGATTTTTCCGCCGAG ATGGGAAATGCCGCGTCCGACGGCATTGCCGCCTTTTTTGACGGCTTCTTTGGTTTTGTC CCAGCCTTTTTCGACGCGTTGCCTGTTTGTTCGGCGGCGCGTTCGGCGGCGGCCTGTGT TTTGTCAAGGTTGCGGCGGTGTCTTGTTTCGCGCCCTCCCAAGTGCCGGCGCAGGCGGA CAAGGCGAGGGCGGACAGGGCGGTAATGAAAAGTTTGTTCATGGTTAAACTCCTTGGTTT GAATATTAAAGGTGTTTCTGCCTTACGGGACATATTTCAGACGGCCGCGTCAAATTCTTA AAGACCGCCTGAAAATACTTACGCCATCATGCGGATGTCGGTAAAGCGGCCGGTAACGGC GGCGGCTGCCGATAGCGGGGCTGACGAGGTGGGTACGTCCGCCGTTGCCTTGACGGCC TTCAAAGTTACGGTTGGAGGTGGAGGCGCAGCGTTGCCCCGGGGTCAGGCGGTCGGCGTT CATGGCGAGACACATCGAACAGCCCGGTTCGCGCCATTCAAAACCGGCTTCGATGAAAAT TTTGTCCAAGCCTTCTTTTTCGGCTTGTTCTTTAACCAAACCGGAGCCGGGGACGATTAA CACGCGCTGTACGTTGGCGGCTTTTTTGCGGTCTTTGGCGATGGCGGCGGCTTCGCGCAA GTCTTCGATGCGGCTGTTGGTGCAAGAGCCGATGAATACGATGTCGACGGGGATTTCGTT TAATGGCGTACCGGCTTCCAAGCCCATGTATTCAAGGGCGCGTTCCATACCGCTGCGTTT GACCGGATCGGTTTCTTCGGCAGGATTCGGCACTTTGCTGCTGATGTCTAAAACCATTTC AGGCGAGGTACCCCAAGTGACTTGCGGTTCGATGTCTTCGGCGTTGAAACGGTATTCTTT GTCGAATACCGCACCTTCGTCAGACACCAGCGTACGCCAGTACTCGACGGCTTTGTCCCA CGCTTCGCCTTCGGGTGCGAAGGGTTTATCTTTTACGTAGTCGATGGTGGTTTGGTCGAC GGCAACCATGCCTGAGCGCGCCTGCCTCAATCGCCATATTGCATAAAGTCATGCGGCT TTCCATAGAAAGGCTGCGGATGGCTTCGCCGCCAAACTCGATGGCGTAGCCTGTACCGCC TGCCGTGCCGATTTGCCCGATGATGTAGAGCGCCACGTCTTTGGCGGTAACGCCCGCTTT TAATTTGCCGTCAACGGAAATCAGCATGGATTTGGATTTTTTCGCGGTAATACATTGGGT CGCCATGGTGTGCTCGACTTCGGAAGTGCCGATGCCGTGCGCCAGTGCGCCGAATGCGCC GTGGGTGGAAGTGTGCGAGTCGCCGCAGACGACGGTCATACCGGGCAGGGTCGCGCCTTG TTCGGGGCCCATAACGTGTACGATGCCCTGACCTTTGTCCATAAACGGAAAATAGGCGAG TGCGCCAAACTCTTTAATGTTTTTGTCCAAAGTATCGACTTGCAGCTTGGAAATCGGGTC TTGGATGCCTTTGTCCCAATCGCCGGTCGGGGTGTTGTGGTCGGCGGTGGAGACGACGCT GTCGATGCGCCACAGCTTGCGCCCCGCCATTTTCAAGCCTTCAAATGCCTGAGGGCTGGT AACTTCGTGCACCAAATGGCGGTCGATGTAGAGCAGGACGGTGCCGTCTTCTTCTCGCG GACGACGTGGCTGTTCCAAAGTTTGTCGTAGAGGGTTTGTGCTGTCATGATGTTGTTCTT TTGGATAAATGGTAATGCGGATTGGGCGGATTTTAGACGTATTCTTTATACCGCGCAACA CATATTGTCCATTTCAGTAAGCAGTTATATCTAAAGCATGATTCGATACGAAAGAATACT TGTCGTCATTCTTTCAAAGGCATTATCATCTGCATCTTGTCAAAAAACACACAGAGGTAG ACGAAAGATGAAATTACCGGTGATGTCGCCCGAACATTCGGCGCAACTTCAGGCGTTTGA ACACCGCCGCCGTTTTACGGTTCGGTCGATATACGCAATGCCGGTTACAAATTTCGTC TATCGATATGAATTTGTTCCCCGGCGGCTTCAATAATCTGAATCCCAACTTTATCCCGCT GGCGGCGGTTGCCGCGCAAGATGCGGTGCAACGCGCCTGCGAAACGGCGAAATCCGTATT GATTATTCCTGAAAACCACACGCGCAATACGTTTTACCTGCAAAACGTTTACGCCCTCGG CGAGATTTTGCGTTCGGCAGGGTATGAAGTGCGCTTGGGCAGCCTGAATCCGGAAGTAAC CGAACCGACCGAATTTGAAACCGCATTGGGCGACAAAATCCTGTTGGAACCTTTATTGCG TACCCGCGATCGCGTCCATCTTGCAGACGGCTTTTCGCCTTGCGTGGTTTTGTTGAACAA CGATTTGTCCGCCGGCATTCCCGACATCCTCAAAGGCATCAGCCAAACCGTTTTGCCGCC GTTGCACGGCGGTTGGACGACGCGCCGCAAAACAAATCATTTCGGCGCGTACAACCAAGT

TACCGCCGAATTTGCCAAGTTAATCGGCATCGACGAATGGCAAATTAACCCTTATTTTGA AAAAATCGGCGGTTTGGACTTCCAAGGGCGTGAAGGCGAAGACGCGTTGGCGGAAGCGGT AGAACGTGTGCTGGCGAAAATTCAAGCCAAATACGACGAATCGGGCATTACCGACAAACC TTTCGTCATCGTCAAAGCCGATGCCGGCACTTACGGCATGGGCGTGATGAGCGTCAAATC CGCCGACGAAGTGCGCGGATTGAACCGTAAAAACCGCAATAAAATGGCGAAAGTCAAAGA AGGCTTGGAAGTCAGCGAAGTGATTGTCCAAGAAGGGATTTATACTTATGAAACCTTAAA CGGCGCGGTGTGCGAACCCGTCGTGTATATGATGGACCGCTTCGTCATCGGCGGCTTTTT CCGCGTACACGAAGGCCCGGTGCGGACGAAAACCTAAACGCCGGCGGTATGGTGTTTGT TCCGCTGTCTAACAGCATTCCTACCGGTAACGGCGATAATTCCCAAGAAGCGCCCGAAGC CTGCAAGCGCGTATTCGAACAATGGGACTCGCTGGGTATGCCGCGCTCTGAAAAAGACTG CGACGTGGACAACGAACACCGCCTCTACGTTTACGGCGTAATGGCACGCCTGTCGCT TCTGGCGGCTTCAATCGAGTTGGAAGAAACGGCGTAAGACTGTTTTGAAATACAGATGCC GTCTGAAGCGGAAATCCGGTTCAGACGGCATTTCGGATATTTGGCGTGTGGGAACATCTG TTTCAGACGGCATCTCAGACTATTTAAAAAAGGGAAAACATGAGCATCAAGCAATGGCCG GAACTTTTGGCAATCCTGCTGCGCGTCGGCACGCGCGGAATGAGTGCGGTCGATTTGGCG CGTTATTTGCTGCAGGAGTTCGGCAGTTTGGGGAGGCTGATGAGCGCGGAGGTCGGCAAA CTGTCGGCATACAAAGGGATGGGGACGGCAAGTTTCACACAGTTTGCCGTGGTCAGGGAA ATCGGGCGGCGGATATTGGCGGAAGAATTGCAGGAGGAGCATCGTCCTGTCCGATCCGGAT ACGGTGGCCGATTATTTACGCTTTCATTTGGGGCAGGAAAAAGTCGAAGTCAGCGTCGCG CTGCTGCTGAACCGCCAAAACCAACTGATTGCGGTCAGAGAGCTGTCGCGCGGTACGGTT GCGGAAAACACGATTTACATCCGCGAAATCGTCAAACTGGCATTGGACGAATATGCCGAC AGCCTGATTATTGCGCACAACCATCCGGGCGGCTCGCCCGAACCTTCGCAGGAAGACATC ATGTTCACAAGGCGGCTGGCACAGGCAATGTCGCTGGTCGATGTGTCGCTGCTCGACCAT TTTATCGTTACCTCGCAAAGCGTCTGTTCGTTCAGACAGCTCGGGTTGATGCCCTGACAC TCTGTTTTACATGCGGCGGCTCTGATAAAATAGCCGCTTCAACCGTATTCAACAGATATT GTTAAGTTAATGGAAACACAAACCAAACCTACCGTTACCGACATTGACCGCCCTATACTC GTCCCGCCCGGTGGACATAAAAAGTCTTGCTGCATTCCTGCTGCGCCCCGTGCAGCGGC **AATATCCATCCGCACAAAGAGTATATGCTCCGAAAAGAGGAAAACGTGCGCTTTGCGGAA** AAGTTCGGCATTCCTTTCATCGATAAAGACGACGACTACGAAAAACGACCGCAAAGAATGG TTTGCCAAAGCCAAAGGCATGGAGTTTGAGCCGGAACGCGGCATCCGCTGCACCATGTGT TTCGATATGCGTTTTGAAAAGGCGGCGCAATACGCGCATGAACACGGGTTCCCCGTCTTT ACCAGTTCGCTGGGCATTTCACGCTGGAAAAATATGGCGCAAATCAACGACTGCGGACAC CGCGCCGCCGCCTTACGATGATGTGGTGTATTGGGATTTCAACTGGCGCAAAGGCGGC GGCAGCGCGCGCATGATTGAAATCAGCAAACGTGAAAACTTCTACCAGCAGGAATATTGC GGTTGTGCCTATTCCCTGAGGGATTCCAATGCCCACCGCAAATCACAGGGCAGAATCCCC ATCAAACTCGGCGTGCTGTATTACGGCGACGAATCGACACAATACGAACCTGCCCCCATC CGGGTGGACAAATAAACACCCGATGCCGTCTGAAGGTTCAGACGGCATCGGGTTCGGCAT CGGCACGGGGAAAGGTTTGCCGGTTTGGCAATCTGCAATCGGAAACCGCATTGGCAAGTT TGCCGTTTTGATAAAACACCCCGTTGCCGCGTCGGGAGGACGGCATTATGAAATCCCTTT TTATTCGGCTGCTCCTGTTGGGTTCGGCGGCAGGCGTTTTCTACCATACCCAAAACCAAT CCCTGCCGGGGGGAACTTGTCTATCCGTCCGCACCGCAAATCAGGGACGGCGGCGATG CGCTGCACTACCTCAACCGCATCCGAGCCCAAATCGGTTTGCACAAGCTGGCACACGCGC CGGTTTTGGAAAACTCCGCCCGCAGGCACGCAAGCTACCTCACGCTCAATCCCGAAGACG GACACGGCGAACACCATCCCGACAATCCGCACTACACCGCACAAAAGCTGACCGAACGCA CACGCCTTGCCGGGTATCTCTACAACGGCGTGCATGAAAACATCAGCACGGAAGAAGAAG CCGCCGAATCGTCCGACAGCGACATCCGCACGCAACGCCAAGTGGACGGATTAATGA GCGCAATCTACCACCGCCTTTCCCTACTTGACCGCCATACGGATGAGGCAGGAGCGGCAT TTGTGCGCGAAAACGGTAAAACCGTTCTCGTATTCAATCAGGGCAACGGCAGGTTTGAGC GGCATTGCGCCCAAGGCAGAAATCAGCCGGAAGCAGGACGGAAATATTACCGCAACGCCT GCCATAACGGTGCGGTCGTGCACCGACGAAGCCATGCCCGCACAGGAGCTGCTCTATA CAGCCTATCCCGTCGGCAGCGCGCACTGCCTTATTTCCACGGCGAGCGTCCAGACCCCG AAATTACGATGAAAAGTTTCAAGCTGTATCAGGGTAAAAACGAAATCCGCCCCGTCAGGG TTTTAACCGCCGGCAACGACCCCAACGGCAGGCTGACCGCGTACCAATTCGCGCTTTTTC CGCTCAAGCCTTTGGAATACGGCACGCTTTATACGGCGGTATTCGACTATGTCCGCAACG GACGGCGAGCGCAGGCGAAATGGCAGTTTAGAACCCGAAAACCCGATTACCCTTATTTTG AGGTAAACGGCGGCGAGACACTTGCGGTTAGAAAAGGCGAAAAATATTTCATCCACTGGC GCCTGTCCATAGGAAGGCACGAGGCGGGGGGGCATCGTCTTCAGCGTTGACGGAATGGCGG AGGATTGAATACATGACAGGCAGAACAGGCGCAACGGCAGTACCCAAGCGCAACCCGAA CGCGTCATGCTGGTGGGCGTAATGTTGGACAAAGATGGTACGGGCAGTAGTGCCGCCCGT CTGAACGGTTTTCAGACGGCATTGGCGGAAGCTGTCGAGCTGGTCAAAGCGGCGGCGGC GATTCCGTGCGCGTGGAGACTGCCAAACGCGACCGTCCGCACACCGCGCTGTTTGTCGGC ACGGGCAAGGCGGCGGAGCTGTCAGAAGCAGTTGCCGCAGACGGCATCGATTTGGTCGTA TTCAACCACGAACTCACGCCCACGCAGGAACGCAACCTTGAAAAAGAACTGAAATGCCGC GGCAGGCTGCAAGTCGAGTTGGCGCAATTGAGCCATTTGGCGGGACGCTTGATACGCGGT TACGGCCATCTGCAGAGCCAGCGCGGGGTATCGGCATGAAAGGCCCCGGCGAAACCAAA CTGGAAACCGACCGCCGATTGATCGCCCATCGGATCAATGCCTTGAAAAAACAGCTTGCC AACCTCAAAAAACAGCGCGCCCTGCGCCGCAAGTCCCGCGAATCGGGCACAATCAAAACG .TTTGCGCTGGTCGGCTATACCAATGTCGGCAAATCCAGCCTGTTCAACCGGCTGACCAAG TCGGGCATATATGCGAAAGACCAGCTTTTCGCCACACTCGACACGACGGCGCGGCGGCGCTG

TACATCAGTCCGAATGCAGCATTATCCTGACCGATACCGTCGGATTCGTCAGCGATCTG CCGCACAAACTGATTTCCGCCTTTTCCGCCACGCTGGAAGAAACCGCGCAAGCCGATGTG CTGCTGCACGTCGATGCCGCCGCTCCGAACAGCGGACAGCAGATTGAAGACGTGGAA AACGTACTGCAAGAAATCCATGCCGGCGATATTCCGTGCATCAAGGTGTACAACAAAACC GACCTGCTGCCGTCTGAAGAACAAAACACGGGCATATGGCGCGACGCTGCGGGAAAAATT GCCGCCGTCCGCATTTCCGTTGCTGAAAATACCGGTATAGACGCACTGCGCGAAGCCATT GCCGAGTCTTGTGCCGCCGCACCAAACACAGACGAAACCGAAATGCCATGAAAAAACCT GTTTCCACTGCGGTCTGGATGTTCCCGAACACCTCCACCTGACTGTCCGTTACGAAAACG AAGACCGCGAAACCTGCTGCGCCGGCTGTCAGGCGGTCGCACAAAGCATTATTGACGCGG GCTTGGGCAGTTATTACAAACAACGCACCGCCGACGCGCAAAAAACCGAGCTGCCGCCCC AAGAAATCCTCGACCAAATCCGCCTGTACGACCTGCCCGAAGTCCAGTCCGACTTTGTGG AAACCCACGGCGCACGCGCGAGGCGGTTTTAATGCTCGGCGGCATCACCTGCGCCGCCT GCGTCTGGCTGATCGAACAGCAGCTTTTGCGTACAGACGGCATCGTCCGCATCGACCTCA ATTACAGCACGCACCGCTGCCGCGTCGTCTGGGACGACGCCAAAATCCGCCTTTCCGACA TTCTGTTGAAAATCAGGCAGATAGGCTACACCGCCGCACCCTATGACGCGCAAAAAATCG AAGCCGCCAACCAAAAAGAACGCAAACAATACATCGTCCGCCTCGCCGTTGCCGGGCTGG CCGATTTCCTGCAAATCCTCCATTGGGGCGGCTTTTTAATGGTGCTGCCCGTCGTATTCT ATTGCGCCGTCCCGTTTTATCAAGGCGCGCTCGCGCGACTTGAAAAACCGCCGCGTCGGCA TGGATACGCCGATTACCGTCGCCATCATCATGACCTTTATCGCCGGCGTTTACAGCCTTG CGACAAATGCGGGGCAGGGGATGTATTTCGAATCCATCGCGATGCTGCTGTTTTTCCTGC TGGTGAAGCTGATTCCTGCGTTTTGCCATCATATGCCCGATTACCCCGATACGCAGGAAA CCTGCGAGGCAGCTGTCGTCAAATTGAAAGCGGGCGATATCGTGCTGGTCAAACCGGGCG AAACCATCCCGTTGACGGCACGGTGCTGGAAGGAAGCAGTGCCGTCAACGAATCTATGC TGACCGGCGAGAGCCTGCCCGTCGCCAAAATGCCGTCTGAAAAAGTAACCGCCGGCACAC TCAACACGCAAAGCCCCCTGATTATACGCACCGACCGCACCGGCGGTGGCACGCGACTGT CGCACATCGTCCGCCTGCTCGACCGCGCCTTAGCGCAAAAACCGCGCACTGCCGAGTTGG CGGAACAATACGCCTCGTCTTTCATATTCGGCGAACTCCTGCTTGCCGTCCCCGTCTTCA TCGGCTGGACGCTGTACGCCGACGCGCACACCGCATTGTGGATTACCGTCGCCCTGCTGG TCATTACCTGCCCCTGCGCCTTATCGCTTGCCACGCCGACCGCGCTGGCAGCTTCTACCG GTACGCTGGCGCGCAAGGTATTTTAATCGGCGGAAAGCAGCAATCGAAACCCTCGCCC AAACCACCGACATCATCTTCGACAAAACCGGCACGCTGACCCAAGGCAAACCCGCCGTCC GCCGTATCTCATTGTTGAGAGGCACAGACGAAGCCTTTGTTCTCGCGGTGGCGCAGGCTT TAGAACAACAGTCCGAACATCCCCTTGCCCGCGCCATCCTCAACTGCCGCATTTCAGACG GCAGCGTCCCCGACATCGCTATTAAACAACGCCTCAACCGCATCGGCGAAGGCGTGGGCG CGCAACTGACCGTCAACGGCGAAACACAGGTTTGGGCATTGGGCAGGGCATCCTATGTCG CCGAAATTTCAGGTAAAGAACCGCAAACAGAAGGCGGCGGCAGCGCGGTTTACCTCGGCA GTCAAAGCGGTTTCCAAGCCGTGTTCTACCTGACCGACCCCTTGAAAGACAGCGCGGGGG AGGCGGTGCGCAGTTGGCAGGCAAAAACCTGACCCTGCACATCCTCAGCGGCGACCGCG AAACCGCCGTTGCCGAAACCGCACGCGCCCTGGGTGTCGCGCACTACCGCGCCCCAAGCCA TGCCCGAGGACAAACTGGAATACGTCAAAGCCTTGCAAAAAGAAGGGAAAAAAGTGCTGA CAGCGGGCGGACGGATATTGCGAGGGACGCGCGGACATTGTGTTATTGAACGAAGATT TGCGTACCGTCGCCCACCTGCTCGATCAGGCGCGCGCCACCCGCCATATTATCCGGCAAA ACCTGATATGGGCGGGCGCGTACAATATCATTGCCGTACCGCTTGCCGTTTTGGGCTATG TCCAACCGTGGATAGCCGCACTGGGTATGAGCTTCAGTTCGCTGGCGGTTTTGGGCAACG CCCTGCGCCTTCACAAACGGGGGAAAATGCAGTCTGAAAAAATGCCGTCCGAACAATGAC GGACGGCGTTGCTTTAGACGTATAGTTGATGAAAACAAAAATAAGACGATGAAGAATTGC **AAACTTAAAGTATGTATTGTTACCGCTCAAACACGTTGGCGTTCAAAATTTGAGATCGAA** CGGTTCTGTGTATGACGGTGGCAGAACAACCATTTTCAATGAAAACCATCCTTTTCATTT TATTTTCTGCATAACATTTCTTATTGGGACAATTTTTCTTATATATCATGAATATAATGA TAACTAATTTTTAACATCCTTATTGTTATATCATGATGAAATGACAATAAGGATGGTTTT CTGCTTTGGCTACTGCAGAACACCGTCGTCAGTCTCGCGTAGGGGGGAATCCATATGCTT GGTTTTTCTTTATTTCAAATGCTAATTAACGGATAGGTCTGGATTCCCGCCTGCGCGT GAATGACGGAAATGTGCATTTCTAATTTTTACCCACTATATAGTGAATTAAATTTAAACC GGTACAGTGTTGGCTCGCCTTGCCGTACTATTTGTACTGTCTGCGGTTCGCCGCCTTGTC CTGATTTAAATTTAATTCACTATAAAAACCCCGAATCCTGATTGGCAGGATTCGGGGTTT TTGATTGCTGGTGCCGTTCAGACGGGATTTTCAAACAGCTTATTGATCTACAAACGCACG CTCAATCAGGTAATCGCCGCGTACGCCTGTTTTCGGAGAGACGGTCAGTCCGAAATCGTC CAAAACTTTGCAGGTATCTTTCAGCATCGCGGGGCTGCCGCACAGCATGGCGCGGTCGTC TTGCGGGTTGATTTTGGGCAGGCCGATGTCTTCAAACAGTTTGCCGCTCACCATCAGGTC GGTTAGGCGACCGTGGTGTTCGAATTCTTCGCGCGAAACAATCGGGTAGTAAATCAGTTT TTCTTTAACCAAGTCACCGAGGTATTCGTGTTCGGGCAATTCTTTGGTAAAGCGGTCGTA GTACGCCAAATCTTTTTTGTAGCGCACGCCGTGTACGAGGATGATTTTTTCAAATTGCTC GTAAATTTCGGGGTCTTTGGTGATGCTCAAGAAAGGAGCGATGCCGGTACCGGTGCTCAA GCTGATTAACACGTCGTCGCCGACTTTGAGGTGTTGCAGGCGGCTGGTCAGCGGGCCGTC TTGGACTTTAATGCTGAAAAATTCGAGGTGTTCTTCCCAGTTGGCGGAGGCGACGCTGTA TGCACGCATCAGCGGCTTGCCGTCCACCATCAATCCGACCATAACGAACTGTCCGTTTTC AAAGCGCAACGATTCGTCGCGGGTGCAGGTAAAGGTAAAATATGCGTCTGTCCAGTGGTG TACGGACAATACTTTTTGGGTATTGAATGGTGCCATTTGGGTTTCCTGTCAGTAAAAGAA ATGGATAGTGCTTGTTCGGGAGGTGCGCAGAGTGGAAATGTCTGCCCGATTCGGGATAA

AGCCAAAATTCTAAACGAAACGGATGGTTGCGACAATGCTTGATGCGCGTTGGTTATATG CCGTCTGAAGGGCTTCAGACGGCATCGCGGGGCAGGCGGCGCTTACGGCGGCATATCGG CAAGGGAAATCAGGGAAATCGAGGCTGCCAGCCTGAGTGCGTCCCGTCCCCAGCGGGGGT GTTCCAGCCTGCGTATCGGGAGGATCGGTTTGACGGTGGCGGCAATCAGCTTTTGTATTT CGGCAGGCTGATCTGACAATACGCCGCCCCATTTTTCCGCAGCCGCTTCCAGCAGTCCGC CGTTTTCAATATCAGCGCGGTCGAATGGATGTAGCAGAGCCAATCGCGGGCTTGGCATT GCGCTATGGTCAGGACTTCGGAAGGGTCGTCTTCAAAATCCAAAAAGCTGATGTTTTTTC CGTCCGACATCATATTTCGCGCAAACGCCTGACTGAGGAACTGCCGTTTTTTATGCACGC GTGCAATGGCTTCCAAACCGGCAAGCCAAGCGTCCGACTTTCCAGCCTCGGCTTCTTGGC GGATTTGCGCATCGAGCGGGATGCCTTCCAAATTGCCGAACATAAGGGCATTTTTCCTGA CGGCGAGCAATTCGGGAACGGCTATCCCCGCCGAGCGCAATTCGTACAGGCGTTTTGATT CGGTTGCAATGGCAGGCTCGCCGCCGAGGCTGGGAACCGGCTTCAACACCCCCAGTTTCA TTGCCGCCAATTCGTCTAGCAGTATGGAAAAACGGGTTTCCTGCATAGGTAAGGTCATTT TCTTTCAATCTTAAGTTCGGACGGAATGCCCCTGTACGGAATATCAGGCAAGGGTTTGTT CGATGATGCCTTTTACCGCATCCGCACTGTTCGGCACGGTTTGCACGCGCTGCGGCAGGT TTTCCAAACCTTCCAGCGCGGCAGGGCGCGGAATGGCGGCATCGCCGACGGCTTCGCGTA CGCGCACTTCGCGGGCGACTTTTACGCCGTCGGCAGTGTGCGGGTCGATGAGTTCTTGGT TAAAACCGTATTTGCCACCGACTTTGTCCAAGGCAAATCGCAGGTCAAAGCCTTTGCCTG CAGCCACTTCCGCCCACAGCGTATTGATTTCCGCAGGATCGCGATCCATCAGGTCGAACA CGAAACGCTCGAAGTTGGACGCTTTGGAAATGTCCATAGACGGGCTGGAGGTTACATAAG TATGCGCGCTGTTGCGCGGGCGGTATGCACCGGTTTTGAAAAACTCGTCCAACACATCGT CCGCGCAAACATTGCCGAAGTTGCCGCTCGGTACGCAGAAGCTGACGGTTTCGTCATTGC TTGAAGTGGCGTTGAAATAGCCTGCAAAGTAATAAACCACTTGCGCGACGATGCGTCCCC AGTTGATCGAGTTGACCGTACCGATATGGTATTTTCCTTGAACGCGGCATCGTTCTGCA CCGCCTTCACAATATCCTGACAGTCGTCAAACATTCCCTTCACGGCGATATTGTGGATAT TCTCGTCTTGCAGGCTGTACATTTGCGCGCGTTGGAACGCGCTCATTTTACCGTCGGGCG ACAACATAAATACGTTCACGCCCTTTTTGCCGCGCAAGGCATATTCCGCAGCCGAACCCG TATCGCCGCTGGTCGCGCCCAAGATATTGAGTTTTTTGCCTTCTTTGTTTAAAACATATT CAAACGCATTGCCCAAAAACTGCATTGCCATATCTTTGAACGCCAGCGTCGGGCCGTTGG ACAAGGCTTGGATTTTGATGCCGTCTGAAAGCGTGCGGACGGGGGTGATTTCCTTAGTAC CGAACGCCGCTTCCGTGTAAGTACGGTTCAGAATGTCGCGCAAATCGTCCTCCGGAATAT CCGTAACAAACAGGCGCATAATTTCAAACGCCAATTCGGGATAAGCTAAACCGCGCCATT TGTCCAAGGTTTCGCGCCCGATTTGCGGATAATGTTCCGGCAGCATCAGGCCGCCGTCGG GGGCAAGCCCCATCAATAAAACTTCGCTGAACGGTTTGTGTGCGGTTTCGCCGCGCGTGC TGATGTATTTCATGATTTTTCTCGTCTGTCGAAATTGCAGGAAAACGGCTTCAGACGGCA TCTGCCTCATGCCGTCTGAAGAAGGTTAGCGGTACAGGTGTTTGAAGCAGGCGGAAACCG TTTTGGCGGTCAGGGCGGCAAGTGCCTGATTGCGCGTGGACGGAGCCAGCATCTGCATCA CATCGTTGCCGGTCATCCGTTCGGGTGCTTCTTGGGCGACGCAAGCGCAAATCTTGTTTT CCCACTCCGCCTGTTTTTCGGCACTCATCGCCAGCGCGGTCAAACGCCATTCGCTGCGTT TGTCCAATTCCGCACGGCATTGGCTCCCAACCGCCATTTTGACGATGCTGCCGCCCATGC CTGTGCCACCGTCTAAGCTGCCGAATGTGTTACCGCCTCCGGCGGCGCAGCCGCCGAGTA AGATTGCCACCGGCAAAATAGACAAGGTTTTATTCATCTCAATTCCTTTTCGGTTGAAAC CCCGCCTTTTATGGCGATAGAATCTGATTAGCCGCCCCGTTCGGGATAACGCGAAGGGCG GCGTTTTATGCGCCGTTCCGAGTGTTGGAACAAACCGTTTTGAATATCCGGTTGAAGCCC GGCAACATTATACTTCAATCGGGAAAATAAAAAATCCCGCCGCCGTCATTTTGCCTGTTT GCAAAAATGCCGTCTGAAAGCGGTTCAGACGGCATTTCCGATTTCAGCCTAGCCCAAAGA TTTGAAGTGTTCCAAAAACGGCGGGATACCGGGCAGCATCCCGACCGCACCCATCGCCAC ACACAAGATCAAGAAACCTACTGCGGGTATCAACACGCGTCCGGCGAAACCTAATTGCGC ACTGCGCTCTTTGCAGCCGATTAAGCCCAAATTATCCAACAGCATCGTCAACGCCCAGCC GAAAACCGGATTGACCAAGGCGGAAGAGAACACCACGATGGCGGCGGATTGGGTGGTTTT GCCTTTGCGCGTCATTTCCATGCCCGCTTCCAAAAGCGGTAAGTATACGCCTACGACCAA GGCTACGCTCAATACCGGCTGCCAAATCGCCAAGTCCATCGGATAGCCCCATAACCCGGC GATAATACATAAAACCGCCGTTAAAACCGCACCGCCCGGAATGGGGCGTTTGGCAATCGA TGCCGGTACGATATAAGTTCCCCAAGAAGAGGTAAAATTTGCACCCCCTAAAATAGAACC CACTGCTTGACGGACAGAACAACTTGTCATGGTGTCGTCTATATTCATCAATACCTTATC GGTTTTTTCCGGATAGCTGATTTTTTGGAACACTTGATGTCCTAAAAAATCGGGCGACCA CATTGCAACAGCCAATACCGCAAATGGAAAGACAACCAAAAAACTTTCTGCCGTCGGCAA GGGGGCGGTGTGAAACTCAAACGGCGCACCCAATGCAAATGCCACCACACCGGCAATCAA GCATCCCAAAGGCACGGCTAACCAGCGTTTTTTCCAATGCTCCAACAAAGCGTACATCAC **AATCGTTACAATAATGACGGTAAAAGCGATGTAGGGCATATTAAAACCGCCTGCCCACGA** AAACAATTTTTTTACCTGCCCCGTCGTGCCGATAAAGCCCAAATAGAGTAATAATCCGCC GCATACGCCGTTGCTTGTCAGCTTCGCCATAATACTGCCGCCGCGAAATAAAGCCATCAG CAGACCTAAAACCGCAATCGAAATGCCGAACGCCAAAGGATGCCCGCCTGCCGACACAAC GATGGGAATCATCGGAATCAGCGGCCCGTGCGTACCGGGCAGGTTGGCGCCGGGCAGAAA AAAGCCCGATACCAATAAGATAAACGCGGCGGCGATTAAAAGCTCATAGCGCACATTTTC CAGTACAAAGCTGTCAGGCAGCCCCAAAGGTGCGGCAAACGCCGCCGCCCCCCCAC CATCACCACTTTTCCAATCGTTCCCGCCATCGCAGGAATCAAATCCTCCCACTCGAAGCG GTAATCGCGAAAGGGCAGGTTGGGCCGCCAGCGTTTTGGTTGCATAATCTGCAATTCATG TTCCAAATATTCGTCCCGCGTCGCAAATTCCGAAGCTGGACGGTGCAAATCCCGATAAGT

CCCATTATGTTTTTCCATAACCTTCCTCCTTATATATCGCGCCTCGTAAAAGGGGCGCAT GACTTTTCTTTTTGATACGGGCTGCGTTCGGAAGCCGTAACCCCATTTAAAGCCCAAACA GGCAATAAAACCAATCTTTTTTTTTGATAACCATCATCCGGAAAACTGATACAATTTACA AACCACTTGATTAAAAAGTTAATTTTCAGCAACAATCCACCTAAAAGATTTCGATTGCAC AAATATAGAAAACATCCGCACAAGGAGGGATATATGGATGCCGTACAATTAAAATCATTT GTCGCCGTCGCGCACGAGGGCAACCTTACCCAAGCCGCCAAACGACTTTTCCTTTCCCAG CCTGCCGTTTCTGCCCAAATTAAAGCCCTTGAAGAATATGTCGGCACGCCGCTGTTCAGG CGCACGGGGAAAGGCATGGTATTGACGCGGGGGGGGGAAATACTGTTGCCCGAAGCGGAA TCCCTGCTGCAATACAAACACAAGCTGGAGCATTTTGCCAAAACGCTGGCAGGCGATTAT TCGGAAGAGACCAGTTTGGGCATTATCCACCCCATCGATTCGGCAAAACTCGTCGCGCTG ACGGACAATATCGGTCAAACAGCCCCCAAAACGCGCCTGCACATCCAATACGGAATGAGC GGCGAAATCCTCTCGCGCATCCAACACAAAACCCTGCACGGCGCTTTATACTCGGCAAC GCCGCCCAACGCGCATCCGCAGCGTATTCCTGCAAAACCTGACCTACGCGCTGATTTGC CCGCAAAGCCAATATCCCCATCTGACCCGCTCCCTTCCGCAGAGCCTGCAAGAATGCGTA TGGATAGAAATGTCGGGCGTGTCCGGAAGTAGGAAGCACCTGCACCAGTTTTGGCGCAGC AACCGGCTCTCACCCAAAAAACAGATCTTGTGCGACTACCCCCAAACCATTATCGATTTG GTTGCAGGCGGTATAGGTGTGGCAATGGTGCCGGGAAACAAAGCCGAAGCGGCGCAAAA GAAGGCGCGGGCGTGGCTATTATCGAATCGTGCCGCCACAGTATGCCGCTCAATTTCATT TATGCGGAAGAATACGAGGATAATCCCCACGTCTCACTCCTGCTCGAGTGCATTGAAAAA TTTGCTGATTGTTTTAAAATAGAAATTTGAATTTTATCACGCTGAAAACACTGAAAACGC CATCCGCATTCTCTCAAATACGGCTTAAAATGCCCTTTGGAAATGCCGTTATAGTGGATT **AACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTC** ACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGT **ACTGGTTTTTGTTAATCCACTATAAACTGACGCAAATACCGTTTTGCACAATTCCAAAAG** TTTTCAATTCCGTTAATGCGATTTTGCCGTTTGGCGAAATGCGTACTGTTCCAGTCGTGG ATTGAACCCCCACCCTGTATAGTTCTTTCGAAGCATTGGGGTATTGTTTTTCAAAGCAT CTTGGATTCGGATTTCAAGTGCAACACTAGTGTATTAGTGGTTGGAACAGATTCAAGAAT **AAAACACTTGGCGTTTCGTAGCCAAGTGTTTTTCTTGGTCGGTGGTTCAACTCATCTTGA** CGGATGAGTCCGTTGGTGTTCTCATTCAGCCCTTTCTCCCAAGAATGGTAAGGGCGACAA **AAATAAGTCTCCGCTTTCAATGCTTTGGTTATTTTGGTGTGTTGGTAGAACTCTTTGCCG** TTATCCATGGTAATGGTGTGCACCCTGTCTTTATGTGCCTTTAATGCCCTAACAGCTGCC CGGGCAGTGTCTTCGGCTTTGAGGCTATCCAATTTGCAGATGATGGTGTAGCGGGTAACG CGTTCGACCAAGGTCAATAATGCGCTTTTCTGTCCTTTGCCGACAATGGTGTCGGCTTCC CAATCGCCGATACGGGATTTCTGGTCGACGATAGCGGGTCGGTTTTCTATGCCGACACGG TTGGGTACTTTGCCTCTGGTCCATGTGCTGCCGTAGCGTTTGCGGTAGGGTTTGCTGCAT ATTCTGAGATGTTGCCACAACGTGCTGCCGTTGCTTTTGTCTTGGCGAAGGTAGCGGTAA ATGGTGCTGTGGTGGAGCGTGATCTGGTGGTGTTTTGCACAGGTAGGCGCATACTTGTTCG GGACTGAGTTTGCGGCGGATAAGGGTGTCGATGTGCTGAATCAGCTGCGAATCGAGCTTA TAGGGTTGTCGCTTACGCTGTTTGATAGTCTGGCTTTGCCGCTGGGCTTTTTCGGCGCTG TATTGCTGCCCTTGGGTGCCGTCCGATTTCGCGGCTGATGGTGCTTTTGTGGCGG TTCAGCTGTTTGGCGATTTCGGTAACGGTGCAGTGGCGGGACAGGTATTGGATGTGGTAT TGCTACCGCATACTGGCCTTTTTCTGTTAGGGAAAGTTGCACTTCAAATGCGAATCCGCC GTCGTTTGAACATTTTTTTCTTCCTGTTTGATTTCAGACGGCATTGCCGTTCCGTTTGGT TTCCAGCAGCTCCCAGCGTTCCAGCTTTTCCAAAAGCAGCATTTCGATTTCTTCGGCGCG GTTTTGCAATGCACCTGCTTTTTCGTAATCTTTGAAAATTTCAGGATAGGAAAGTTGGGT ATTGATTTCAGCCTGCTCGGCTTCCAAAGCGGCGATTTCGTCGGGCAGGGCATCGAGTTC TTCGGCATCGGATGCTTTGGGTGCGGATGCCGTCTGAATTTTATCTTCCCGCGATTTTGC GTCGATATAGTCCTGATAGCCGCCGATGTATTCTTTCAGACGGCCTTGTCCTTCGAAAAC AATGCTTTGGGTAATTACGTTATCAAGGAACATACGGTCGTGCGAGACAAGGAATACTGT GCCTTGATAATCGCGCAACAGGTCTTCGAGCAGCTCTTGGGTGTCGATGTCTAAGTCGTT GGTCGGTTCGTCCAAGACCAGGATATTGGCAGGACGGGTAAAGAGTTTTGCCAGCAAAAG CAGGAAATCTTCCAAATAGCTCATGACGTGTTTTTTCTTACCGCCGACTTCAACGTAATC GTCGAAATAGGCGACTTCCTGCTTACTGCCGATACGGATTCTGCCGTAGGTCGGCTGCAA TTCGCCCAAAATCAGCTTAAGGAAGGTGGTTTTGCCGATGCCGTTGGGGCCGATTAGGCC GATTTTGTCGCCGCGCTGCAAGATAGCGGAGAATTTGTCCATAATGACTTTGCCGCCATA GGCAAACGAAGCGTGTTCCAATTCGGCGATGATTTTGCCACTTTTCTCACCGCTATCGAG CTTGAAGTTGACTTGTCCCTGTACGTTGCGGCGTTCTGCACGCTGGCGGCGCAGCTCTTC CAAACGGCGCACGCGCCTTCGTTGCGGGTACGGCGCGCTTCGATGCCTTTGCGTATCCA TGCTTCTTCCTGTGCGTGGAATTTGTCAAAGAGGCGGTTGTGTTCCGCTTCGACTGCCAA CTCTTGCGCTTTTTTCTCGCTGTATTTAGAGAACGAGCCGGGATAGGAACGCAAAATACC GCGATCGAGTTCGACAATCCGCGTGGCGATATTGTCCAAAAAACGGCGGTCGTGGGTAAT CACAACCAAGCTGCCTTCAAACGCTTTGAGCAGATTTTCCAGCCAAATAATCGCGTCGAT ATCCAAATGGTTGGTCGGCTCGTCCAGCAGCAATACGTCGGGCTTTTGCACCCAAGCCTG AGCCAAGGCGACGCGCTTTTTCTGACCGCCGGAAAGGTTGCCGATTTTTTCATTTTCCGG CAAACCGAGTTCCCCCAAAGTCTGCTTGACTGCCGCATCCAGTTTCCAGCCGTCCTTCGC TTCGATTTCAAGTTGCAATTCGTTGAGTTCTTTCAACAAAGCCTCACTCGAACCATTTTC CAACTCATGGCTGACATGATAACGGCGCAATAAATCACGAATTTCGCCCAAACCTTC GGCAACGGTATGAAATAGGGTTGCGTCCTTATGAAAAAAGGATTCCTGCGGTACATAAAC GATTTTGAGGTTGTTTTGAACAATAATCTGCCCGTCGTCGAGCTTTTGCAAACCGGCGAG

GATTTTTAAAAACGAAGACTTGCCTGCGCCGTTGCGTCCGATTAAGCCGACTTTTTCGCC GCTGTCGAGTTGAAAAGAAGTTTTGTCGAGCAAGGCAACGTGGCCGATGGCAAAAGAAGC **GTTTTCTACAGATAATATATTCATGATACAAATTCTCAACAGTTACCGTTTGGATTTTAC** CGCAAGTTTGGCGCGGCAATTTCAACCGCACCCGGCAGGACGAAACAATAATGATGCC GCCCATCACCAAGCCCAGATTGTTTTTTACGACGGGGAAGTTGGCAAAGAAATAGCCCGC GTAAGAAACAGGATAACCCACAACAAGCCACCGATGATGTTGTAGCGGATAAATTTGGC ATAGTGCATTTTCCCCATACCGGCGACGAAGGGGGGCGAAGGTGCGGACGATGGGCATAAA ACGGGCAATGATGATGTTTTGCCGCCGTGTTTTTCGTAAAAACGGTGGGTTTTATCGAG ATATTCACGTCGGAAGATTTTAGAATCGGGGTTGGCGAACAGCCTGCCGCCGAAATATTT GCCGACGGTAAAATTGAGCGCGTCGCCGAGTATGGCGGCAAGGCTTAATAATGCAACCAT CAAATGAATATCCATACCGCCCAGCGCGGCAATCCCGCCGGCGCAAACAGCAGCGAATC GCCGGGCAGTAAGGGCGTAACAATCAGGCCGGTTTCGCAAAAAACAATCAAAAACAGAAT CGCATAAATCCACACCGTATTGCGCCGACAGCGCGAGCAGGTGTTGGTCGATATGGAG AACCGATTGGAAAAATGCCGTCTGAAAAGTTTCAGACGGCATCGGCTATTCAAATTCATT TCACGTAAAAACCGCAAACCAAAATAGTTTGCGGTTTGGCATTTAAAGTGACAATGATGA TTTCAAATCATCAGAATTTTATGCCGACGCGCAAGCCGTATTCACGAATACTGGTTTTCG GGATGGTGAGCGATACGTCGCCACTCTTGGTTGTTACACTAAACTCGCCGGATTCTTTGT AAGTGCGTTGTTTGTAGAACGGCCCCGCCTCGATGCTGGCGGATTCGCCCAGTTTTTTAC GATTGGTAACGCCGGTGTTTAATTTATAGCGGGAATTGAGGTCAAATTTCACTTCAGACC **AAGGGTTGATATACCAGCCGTTACCCAGTTGGGAAAGCAAATCCGCGTGAACTTTGGCTA** ACCACGACTGACGGCTGCTGTGAAGCGTATGCTTGGTGGTTTTTAATGCTGTCTTTTGAAG ATTCAAAACCCAAGCCGGCACCCACACGGAAATTTAAAGAATCACTTAACGTTTGGGTGT AGGTGTAGCCTGTGTAAAGATCGATACGGTTTTCAGGAACGCCGGTGGGCAGTTTTACAT GCCCGAAACCGGCTTCCAAGCGGATGCCTTGGTTGGCATCAAAAGGAATATCAGCACGCA CGCTGATGTGTTTGGCAGCTTTGTGTTTTTCTTTCAGGAAAGCACGAGTTGAAGAAATGG AAGAGAGGTCGGTGTGGACGGTAAACTCATTAGCGGTTTGAAGCTCTTGTGCAGCGGCGG CAGTACCGGTCAGGGCAATCATGGCACATGTAAAAACTGTTTTTTCATAGTTAAAACCT CTAAAATTTGGATTGTAGTCGGATATGGTAACATAACGTAAATAATCGTTACGCTTACAA TTATATTCTTAAGCTTTCGGGGGGGGGGGGGTTTTTACATATATAAAAATTAACAAA TAGTTATTTGTTTACAACGAATTGTTATTCTCACTTGGTTTTCTGTTTTTTATGGGAATG ACGAAATTTTAGTTTGTGTGTATTTATCGGAAAAACAGAAACCCGCCGCCGTCATTCCCG CGCAGGCGGGAATCTAGAACCCAACGCGACAAAAATTTATCCGAAGCGACAACAATCTTT TCATCGTCATTCCCGCGCAGGCGGGAATCTAGAACGTAAAATCTAAAGAAACCGTTTTAC CCGATAAGTTTCCGTGCCGACAAACCTAGATTCCCGCCTGCGCGGGAATGACGGGATTTT AGGTTTCTGATTTCGGTTTTCTGTTTTAAGGGAATGACGAGACTTGAGATGGCGGCATTT ATCGGGAGCAACTGAAACCACCCTGCCGTCATTCCCGCGAAAGCGGGAATCTAGGTTCGT CCGGTTTCGGTTATTTCCGATAGATTCCTGCCGCGTTGGGGGTCTGGATTCCCGCCTGCG CGGGAATGACGGGACTTTAGGTTTCTGTTTTTGTTTGAGACCTTTGCAAAATTCCTTTCC CTCCCGACAGCCGAAACCCAAACACAGGTTTTCGGCTGTTTTCGCCCCAAATACCGCCTA ATTTTACCCAAATACCCCCTTAATCCTCCCGGATACCCGATAATCAGGCATCCGGGCTG CCTTTTAGGCGGCGCGCGCACTTAACCTGTTGGCCGCTTTCAACAGGTTCAAACACA TCGCCTTCAGGTGGCTTTGCGCACTCACTTTAATCAGTCCGAAATAGGCTGCCCGCGCAT AGCGGAATTTACGGTGCAGCGTACCGAAGCTCTGTTCGACCACATATAGTGGATTAAATT TAAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTCG CCTTGTCCTGATTTAAATTTAATCCACTATAACGGGTCTTCGATAAATATCGGTTACGTT TGGTTTGCGTTTCCGTCAGCGGACGGTTGCGGCAGGCTTTGCGCATAATGCCGTCCAACA ACTGATGTTCTTCCAGATGTTGCCGGTTTTCCGCACTGTCATAGCCTTTGTCGGCATAGA CGGTCGTACCTTTGGGCAGTCCTTCCAACAAAGGCGGCAGGTGTTTGCACTCATGGGCAT TGGCGGGGGTAATGTGCAGTTTCTCGATATAGCCTTCCGCATCGGTACGGGTATGTTGTT TGTAACCGAGTTTGTAGAGGCCGTTTTTCTTGATCCAACGGGCATCGCTGTCCTTACTCG GTGTGGTTTGGCCGTTGATTTGTCCTTCTTCATCGACTTCTATGACCTGACGCTGTGTGC TGCCGGCGGTCTGAATAATGGTGGCATCAATGACGGCGGCGGATGCTTTCTCTACTTTTA AGCCTTTTTCGGTCAGTTGGCGGTTGATCAGTTCCAATAATTCGGACAGGGTGTTGTCTT GCGCCAACCAGTTGCGGTAGCGGCATAAGGTGCTGTAATCGGGAATGCTCAGTTCGTCAA AACGGCAAAACAGGTTGAAGTCGATGCGGGTGATGAGGCTGTGTTCGAGTTCGGGATCGG AGAGGCTGTGCCATTGTCCGAGCAGGACGGCTTTGAACATGGACAACAGGGGATAGGCGG GACGGCCGCGGTAATCTCTGAGGTAACGGGTTTTTGACGGTTCAGGTATGGTTCGATCGG CTGCCAATCAATCACCCGGTCCAACTTCAATAGCGGGAAACGGTCGATGTTTTGGCAAT TATGGCTTGTGCGGTTTGCCGGAAGAAGGTGCTCATGAGAAATCCCCTAAATGTCTTGGT GGGAATTTAGGGGATTTTGGGGATTTTTGCAAAGGTTTCCGCCTGAAACATTATGAGATT TCAGGCGCATTGGATTGCTTGGCGGAATATTTTTAAAAAGGCTTACGCGCCGTAAACGG GGTATTTATTGCACAAAGCAGTTACTTGTTTGCGGACTTTGGCGAGGTTGGCTTCGTCTT AACCGCGTGTGGTCATGGCAGCGGAGCCGATGCGGATGCCGGAGGTAACGAAGGGTTTTT CCGGATCGTTCGGAATGGCGTTTTTGTTGACGGTGATGTGCGCTTTGCCCAAAGCGGCTT CGGCGGCTTTGCCGGTAATTTTCATCGGTTGCAGGTCAACGAGGAAAACGTGGCTTTCGG TGCGGCCGGAAACGATGCGCAAACCGCGTTTAACCAACTCTTCCGCCATGGCGGCTGCAT TGATTTCACTTGTTTTGCGTATTGTTTGAACTCGGGTTGCAATGCTTCTTTAAACGCCA CGGCTTTGGCGGCGATAACGTGCATCAGCGGACCGCCTTGCAGGCTTGGGAAGATGGAAG AGTTCAACGCTTTTTCGTGGGTATTGTCGCGGCACAAAATTACGCCGCCGCGAGGACCGC GCAGGGTTTTGTGGGTGGTGGTGGTCACGAAGTCGCAGAACGGCACCGGGTTGGGATATT CGCCGCCGGCAACCAGACCGGCATAGTGCGCCATATCGACAAAGAGGTATGCGCCGACTT TATCGGCGATTTCGCGGAATTTTGCCCAGTCGATTTGTAACGCGTAGGCAGACGCACCCG CCACAATCATTTTGGGTTTGTGTTCGAGCGCGAGGCGTTCGACTTCGGCATAATCGAGCA CTTCGTTTTCATCCAAACCATAAGTAACGGCGTTGTAGAGTTTGCCTGAGATATTAACGC TCGCGCCGTGGGTCAGGTGGCCGCCGTGCGCTAGAGACATACCCAAAATGGTGTCGCCTG GTTTTAAAACGGAAGCGTACACGGCTTGGTTGGCTTGCGAGCCGGAGTGCGGTTGGACGT TGGCATAGGCTGCGCCAAACAGTTCTTTTACGCGGTCAATCGCCAATTGTTCGACAATAT CGACGTATTCGCAGCCGCCGTAGTAGCGTTTGCCGGGGTAGCCTTCGGCGTATTTGTTGG TCAGCTGGGAACCTTGCGCGTCCATTACGGCGCAGCTGACGTAGTTTTCGGAAGCAATCA GCTCGACGTGGTCTTGCTGGCGTTGGTCTTCTTGGGCAATGGCTGCCAAATCGGGGT CGTATTGTGCGAGGGTAACGCTTTTTGAAAACATGTTCTCGGCTCCTTTGTGTAATCAGG GTATCATGAGTGTTTTTTGTATAAAAAAATATTTCAAAACCTAAGGCAGATAGCCCATAA TGCGTAAATTTTCTTTGGCATTATCAGGTAATTTATTTAACATGCTGGTTTTTTAGCGTCT CATTACCTTTATTTAGTACAAGACTAATCAAAAGCAATACATTAAATGGTAAATTTTCGG CAGTTTGTGCAAAATCAATCAAATAACCAGCACCAACCACATCTTTATCAGCCATAACCC GCTGATACACCACTTGCTAAGACAACTCTCCTGCCCCACCATGTCTTAAAATCAGATGAA TGGCTTGTAATGCTGTTTTGGTGTCTCACAAATTGCCAAGATCTGCTCAGAAGCTTGCT TGATGGCTTGTATTTTTGTTTGATTACTCACAATTTCCCCCTATTTTAATAATTAACTTA **AATGCGGTCAAATTCACAAAATACAAGCTTTACCTCTAATCACCCATCACTCGACCTTCT** CGGCGTGGATCGGCACCACCAACCAGCCTGCTTGGCTCGATAATAATGGCTTGAACACCT GAATTTAGCTCACGCACATCAGTCTTATAGCCCAAATCATTTAATGCTTGTTGCCACTGG ACGGCGGTTGTACCCGTTTCTAGTTCATAGCTACCAAAGCGATTTAATAAATTGGGTGCA CTGATGGCATTTTGGATATCCATATTCCAGTCACTATGTGCCACAATCGTCTTAGCGACA TAGCCAATGATACGGCTACCACCTGGGGAGCCGATTGCCATATAAGGCTTGCCTGCTTTA AATACGATGGTTGGCCATTGAGGAGCGTGGTCTCTTGCCGGGCTCGACACGATTGGCG ACCTGTTTGCCCTGCTTTATTGGCTCAAAACTAAAGTCTGTCAGCTCATTATTCAGCAGG TAGCCATTTGCCATCAAAGTTGAGCCAAACGCATTTTCAATGGAAGTCGTCATTGATAGC ACATTGCCCGCCTTATCCACAATTGATATATGACTGGTAGAAGGTAACTCAATCGCTTGT GAGGACACCCACTCATGAATAAAATCGCCTGCAGATACGCTAGGCAATGCCTTATCCGAC TGCTCAAGCAGCTGGCTGCGATGTTTTAGGTAGTCTTTAGAAATCAACTGGCGAATGGGT **ACTGGTACAAAATCAGGGTCGCCCAAATATACATCACGATCCGCAAACGCAAGCCTAGAA** GCGTCGCCCAAGAGACGTAAACCTTCAGCATCATACCCCACCTGATTGGGTGAAAATTCA TTTAAAATCCCCAAAATCTGACCCACAGCAATCCCACCTGAGCTTGGTGCACCCATACCG GATAAATCTTGTAAGGATAATTGACCGGGGTTATCCTTAGCATTTTGGACAACTGAAACG **ATATTTTGGGCATATTTACCAGTATGCAGAGCTTTTGCACCTTGAGCTGCTAACGCCTGA** GGCAAAAAATAAGCGGCTGTTTTTGGATAGCGTGCCAAATGCTGCTGATTTTGCTCAACC GAGATGGCAAGCCTTGGCGACACCTCAAAGCCTTGTTTTGCCAAGCGGATCGGTGTATCA AATAATTTTCCCCAAGGCAATACACCGTATCGCTGATGTATTGTCTCCATCAGTTTAGGG ATAGCAGGCGTACCCACCGACCACCGCCTCCATAAATTTCAATGGTTGA CCATCTTTATCCAAAAATAATTCCGGCGTCGCACGCATCGGTGCCGTCTCACGCCCATCA AATGTGGTCAATGTTTTGGCGGTATTATCCCAATACAACACAAATGCACCACCGCCCAAG CCTGACGACTGTGGCTCTACCAAGCTTAGTGTCGTCTGCACCGCCACCATCGCATCTGCA GCGCTACCGCCTTGCTTTAAGATATCATAGCCAGCTTGTGTTGCTAATGGATTGGCTGAC GCTACCATAAAATCACTTGCAATCACCTGCTTTTGTTCGGTCAGTCCCGTTGCATGTTCA GGCGTGTGAGCGTCTGCACCTGTGATGACAGCAGAATGAGTATTAACCTTACCTTGATTG ATTATTGTATTAATATGGCTAAATAATTCAATCCAAACTATCAATCTTGACCATCAAAA AGACCTTTGGGCTATGCTCTTCAATGAGTGGTTTTAGCTCACCTGATTGGTACATTTGTA GGATAATATCACTACCACCGATTAACTCACCATTAACCCAAAGCTGTGGAAAGGTTGGCC GACTGGCGATGAGTGGTAGAGTACTGCGAATTTCTGGGTTTTCTAGGATATTAACAAAAG CAAAGGGTCTGCCAATTGGGTCAGCACCTCTACTGCACGCGCTGAAAATCCACATTGGGG AAACTGGGGCGTGCCTTTCATATATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCG CCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTA CTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATACAG TAGGAAAGGCTGAAAATTTATGCGTAAAGCGTGATATTGTCAACGTTTTTATCAACCGGA CGGCGGTGTTAAAAGAAAATTTTGCCGTATCCGATAAAACACTGGATAAAAATATTATCT TTGTTATAATTAATGTAAAGATTCAATTTGACTTTTTAACCGTAAACCAAGAGAGAAAG CGATATGTTCCCAGAATACCGTGATTTGATTTCCAAATTGAAACAGGAAAATTCCCGCTT CGCCGTCTGTTCGACGAACACAACGAGCTGGACGATAAAATTACCGGTCTGGTCAACAA TCCGGTTACCAGCGGTGCGGAAACCATCGATGAGCTGAAAAAAGCCAAATTGAAACTGAA AGACGAGTTGTACGCCATCCTGCAAAAAGCAGCGGGAAAATAATTCGGGTTTGAGTTTTT GAAATGCCGTCTGAAATGTGTTCAGACGGCATTTTTGTCATTTGACCGGAAGGCTTGTGC TGTTTGAAATAACGGCGGCGGTATCGGATTGCCGCCGCCGTGTACTTGTGTGAACGGCTG TCTGTCTATTTTGCGTGCAGGCGGTCGAGATAGGCGACTTCTTCGCTGCTGCCCATGAAG ACGGCGACGCGTTGGTGCAGGTTTTCGGGCTGTATGTCGAGCATGGCTTGATATGCGTTG CTTGCCGATGCGCCCGCCTGTTCGAGTATCAGGCTCATAGGGTTGGCTTCGTACATCAGG CGCAGTTTGCCGGGTTTAGCGGGGTCGCGTTTGTCTTGCGGATACATGAACACGCCGCCG CGCATCAGGATGCGGTGGATTTCGGCAACCATACTGGCTACCCAGCGCATATTGTAGTTT TTGCCGCGCGTACCGGTTTCGCCCGCCAAGAGCTCGTCGATGTATTGTTGGACGGGGGCC AGCCAGTGGCGGCGGTTGGACATATTGATGGCAAATTCTTTGGTACTTTCGGGTACTTTC GGGTTTTCTTTGGTCAGCACAAATTCGTTTTCGGCATTGAGCGTGAACATATATACGCCA TGTCCGAATGTGAATACGAGCTGGGTTTGAGGCCCGTAAAGAACGTAACCAGCGGCAAGC

TGCTGTCTGCCCGTTTGAAGGAATGATTCGGTTGCCAATGCGCCTTCGGGTTTTTCAAGG ATGGAGAAAATCGTACCGACGGAAATGTTGACATCAATATTGGACGATCCGTCTAAAGGG TCGAATAGGACGAGATAGCGTCCGTTTTCACCGGCATTTACGAAAGTGTCTTCTTCCTCG CTCGCCAGCCCGGCAACGGCAGAATTGGCTTTGAGTGTGTCAATCATGATGTTGTTGGCG ATAACATCCAGTTTTTTTTGGTCTTCGCCCTGAATATTGCCCGTGCCCGCCATACCCAAT ACGCCGGCCAGTGCGCCGAGGCGGACTTTGGCGTTGATTTCGGTGCAGGCGGAAACAACG GACAGTAAAACGCCGCCGAGTGCTTCGGGCAGCTGGTTTTGTTGCAGGTGTTCGGGGAGG AATCGGGTCAGTGTCCATAGTTTGCTCGTTTCGGAAAGGTTTGTGCCGTCTGAAAGGC GGCAGGTTATTGTGGCGTATTCCTTTGGTGCGTTTTGCAGGATAGTCTAGGGGATTGTAG TTAAAAGTGCCGACTGCCGGTATATCGTCCGGTTTTGTTTATTTGACGGGAGATGTTGTC TGAAGGGTTTCAGACGGCATCGGGGTCAGCGGATTTTGCTGTCCAAAAGGTAGCGCGAGC CTTCGTCTTGCGCCAGCCGCGTCAGGGCGGGGAGGTTTGCCGCCAATTGTTCCGCCA ACAGATAGGGCGGATTGATGACGAACATTCCGCTGCCGTGCATACCGAAACCGTCGGCTT TCGGCGCGTGGACGTGAAGTTCGGCGTGAAGGTAGTTGTCGGGCAGGAGTTTTTTCAATT CTTCGGGCAGCTTGCGGCTTTCTTCGCGGCTGAGGCAGGGATACCAAATGAGATAACAGC CGGACTCAAACCGTTTTAAAGCGGCTTTCAGCGTTTCCGTTACACGCCGGTAGTCCTGTT AAATCAGCCCTTTGTAACCGTCTTCGCGTAATACTTGTCCGCGTTTGCCCAATCCTGCTT CGCCCATATTGTTTTGCAGATGGACAAAGTCGGTGGGGTGCAGCTCAAACAGGCGTAATT TGTCGCCGACGCGGTCAGCGATTGCGCCAGCCACGGAGAACCGCAGTAAAGTTTGGGCG CCTGTCGGAGCAGGCGATGCCTTGTCGGTATTCGCCGACTTTCTGCGCCTCGCTGCCTT CGAGATTGTACACACCCGCGCCGCCGTGCGTGTCGATGTACCAGTAGGGCTTGTCTTTGC GGTTGAAATATTGCAGCACTAAAAACAAGGTGAAATGTTTGAGCATATCGGCGTGGTTGC CGGCGTGGAATGCGTGTCTGTAACTGAGCATAGTCGGTAAAACGGCGGGATATTCGGATG CCGATTTTGCTTTCTCTGCCTTCGAGCAGCTTGACGATATTACTTTTGTGGCGGAACAAC ACCAGCAAAGCAATGGCGACGGTCGCCCAAACCCACGAGACGTGCGGCATAAAGAAGGAT GCGGCGACCGGTGCGGCGATTGTGGCGGTTAATGCGGCAAGGGAGGACACCTTGAAGCCG AATGCCATAACAAGCCAAATCAACGCGCAGACCAAGGCAGTTGCGGGAGAGAGTGCCAGA AGCACGCCCAATGCCGTTGCCACGCCTTTGCCGCCTTTAAATCCGAAAAACACCGGCCAC ATATGCCCGACCAGCGCGGCGAGTGCGACGGCCGCGATTGCGCTGTCGGATAAACCGAGC GGTTCTTGAAGCACGCGTGCAAGCAAAACGGCAACTAAACCTTTGGCGGCATCGCCCAAG AGCGTCAGCGCGGCCGCCTTTTTTTTGCCGCTGCGTAAAACATTGGTTGCCCCCGGATTG CCCGATCCGTAGGTGCGCGGGTCGTCCATGCCGTAATACTTGGACACGATGACGCGAAA GAAAGTGAGCCGATCAGATAGGAAACAGCAACAGCCGGTATGTTGAACATTTGCGGTACT TTACTTAGAATGGTGCGGTTATTTTAGCAAAAAACGGGGCGGATTATGGATAAAATCTTT TTGCACGGCATGAAGGCAGATACGCTTATCGGCGTGTACGGCTGGGAACGCGAACGGTTG CAGACCCTGATTGTCGATTTGGACATCGGTGTTCCCGAGAAAGCGGGTTCGGACGACGAT ATTGCCAATACGGTGCATTATGCCGAGGTATGCGAAACGCTGCGCCGACATCTGAAAGAA CAGGATTTCCTGCTTTTGGAAGCGTTGGCGGAATATATTGCCGATTTGGTTTTTGGGATAT TTCGGCGCGGTGTGGGTGCGCGTGAAAATCGTCAAGCCGGGTATTTTGGAAGGCGTGCGC GAGGTTGGCGTGGAAATCGAGCGCGGCAAGCGTGAAGATTGAACGGCAGAATAGGAAACG GAAAGGAGATATGAAGTGGATTTGAGGGAAGTAAAATTAGGCGGCGAAACCATTTACGAG GGCGGTTTCGTCAGTATCAGCAGGGATAAGGTCAGGTTGCCCAACGGCAATGAAGGGCAG CGTATCGTCATCCGCCATCCGGGTGCGGCATGCGTGTTGGCGGTTACGGACGAAGGGAAA GTGGTTTTGGTGCGCAGTGGCGTTATGCGGCAAATCAGGCGACATTGGAACTTCCTGCG GGCAAGCTGGATGTGGCGGGCGAGGATATGGCAGCGTGTGCGCTGCGAGAATTGGCGGAG GCCAATGACGAAGACGAGATTACGGAAACCGTATTGATGTCGAAAGAAGAAGTCCGTCAG GCATTGGCAAACGATGAAATTAAAGACGCAAGACATTAATCGGTTTGCAATACTGGTTG GGCGGATGGGATATGCCTTTTCGGCTTGTATCTGGGCGCGTCCTTTAAAGTCATTCGTGC TTTAGTAATAAGAGAGAAAAGGGGATGATAATTACCTAAAAGAACGTGATAATTTTTAAA ATGGTTAATAATGAATATCTTTGTTACTAATTTTTGTTATTGGTTTATTAGTTTATTGGC TATTTCTTATATACCATCTATTAATGCATGGCATGATGAATTAATAGATGATATTAATTT TGGCAAAAGGGTTATGATGGTTACTTTTTTTGCATTTTTAGGCACGGTAATAGAGCGTTT TTTTAAGAAAAGCCTTGGTGGTTTTATCCTGCCAAGGCTTTTTCTTTGTTACAGACCTA AAAGCTCAATTTGAATTTGAGAACGGTAATTGGCACAGCCAGTATTTAAACAAGCGAAGC TAATTTATAGATTATGTCAAAACAAAGGGAGGCAATTTGTTGCGGTTATTTGACTGCCGC CCCTATCTTCAGCCCGAGCCAGGTCAGCAGCAGCGAACCTGCCGTGTGCAGGAAAATATT GGCAAGTGCTGAAGCGGGACGGTTCAATTGGAGCAGGGTTACGGTTTCCAGCGAAAATCC GGAAAGCGTGGTCAGGCTGCCGAGAAAACCGGTAATCAGCAGCAGCTTCCATTGCGGGTG GTTGACGGTTTCGGCAAAGATTCCGATAAGAAAAGCGCCTATCCAGTTGGCAAACAGGTT GCCTGTGGCGGGAGGTATTGATGCGGGAACGGCGAGGTTGAGCAGCCAACGCGCCGTTGC ACCGAGTGCCGCACCGATGGAAAGGGGGATGATGTTGGAAAGCATGGTTTTGCCTGTCTA TGCCGTCTGAAGGCTACCGCCATATGCCGCGGTCGGACTTAAGATAGCGGTTGTCGTCGA AAGTGTTAATCCAATGGGGCTTCAGTGCAACAAATATGGCAGTTGAAATGCCGCTGAGGA AGGCTTCCGCCCACGCCAGCAGAATAAAGACGGGCAGGGCGGTCGTCCACAATATTTCGG ACGGAAAAGCGTTTGCGGCATCCAAAATACCGGTCAGCACCAGCCCGGTCAGCAGAATGC CGGCGGCGAAGCGAAAAGCCGTTGACGAAAATAAAGATGAAAATATTGGGCGGCAGGC . GGTTGACCAGCATACGCGACAGGCGGTTGACGGTCAGCGCGGGCAGTATCAGCACCAAAG

GCGCGGCAAGCCAAAGGGCGGCGGAAGTGCCCATCATCAGTGCAACCAAATTGACGGCGA GCAGGTGGTAGTTCATCTGGGCAAGCTGTCCGCCGCCGGCAGAGGCGTTCAGACACCATG **ATGCCGACGGCGCGGAAGCTGCCAGTATCAGGATAAGGACAATCCACGAAACCGACAGTA** CCATATCTGAAAACCAGACTGTTTGGAAAATCATGGCAATGCCGCAAAGATTAAGGGAAG GGACGGCTATTATACTGTCGGCGGGGGCAAACCGAAAGCCGAATCGGTTTCGGCAGAATT GCCGGCCGGTTGTTTTTTTGGGATGGAAACACGTTAAAATAAACCCGTTTAATCGTTTG GCCGGCTTGTTTTTTGTCCGCGCACAATCCGAACGCGAGTGGATGCGCGAGGTTTCTGCG TGGCAGGAAAAGAAGGGGAAAAACAGGCGGAGCTGCCTGAAATCAAAGACGGTATGCCC GATTTTCCCGAACTTGCCCTGATGCTTTTCCATGCCGTCAAAACGGCAGTGTATTGGCTG TTTGTCGGTGTCGTCCGTTTCTGCCGAAACTATCTGGCGCACGAATCCGAACCGGACAGG CCCGTTCCGCCTGCTTCTGCAAACCGTGCGGATGTTCCGACCGCATCCGACGGATATTCA GACAGTGGAAACGGGACGGAAGAAGCGGAAACGGAAGAAGCTGCGGAGGAAGAG GCTGCCGATACGGAAGACATTGCAACTGCCGTAATCGACAACCGCCGCATCCCATTCGAC TTTAAAGAAATCACTTTGGAAGAAGCAACGCGTGCTTTAAACAGCGCGGCTTTAAGGGAA ACGAAAAACGCTATATCGATGCATTTGAGAAAAACGAAACAGCGGTCCCCAAAGTCCGC GTGTCCGATACCCCGATGGAAGGGCTGCAGATTATCGGTTTGGACGACCCTGTGCTTCAA CGCACGTATTCCCATATGTTCGATGCGGACAAAGAAGCGTTTTCCGAGTCTGCGGATTAC GGATTTGAGCCGTATTTTGAGAAGCAGCATCCGTCTGCCTTTTCTGCAGTCAAAGCCGAA **AATGCACGGAATGCGCCGTTCCACCGTCATGCAGGGCAGGGGAAAGGGCAGGCGGAGGCA** AAATCCCCGGATGTTTCCCAAGGGCAGTCCGTTTCAGACGGCACGGCCGTCCGCGATGCC CGCCGCCGCGTTTCCGTCAATTTGAAAGAACCGAACAAGGCAACGGTTTCTGCGGAGGCG CGAATTTCTCGCCTGATTCCGGAAAGTCAGACGGTTGTCGGGAAACGGGATGTCGAAATG CCGTCTGAAACCGAAAATGTTTTCACGGAAACCGTTTCGTCTGTGGGATACGGCGGTCCG GTTTATGATGAAACTGCCGATATCCATATTGAAGAACCTGCCGCGCCCGATGCTTGGGTG GTCGAACCACCCGAAGTGCCGAAAGTTCCCATGACCGCAATCGATATTCAGCCGCCGCCT CCCGTATCGGAAATCTACAACCGTACCTATGAACCGCCGTCAGGATTCGAGCAGGTGCAA CGCAGCCGCATTGCCGAGACCGACCATCTTGCCGATGATGTTTTGAATGGAGGTTGGCAG GAGGAAACCGCCGCTATTGCGGATGACGGCAGTGAAGGTGCGGCAGAGCGGTCAAGCGGG CAATATCTGTCGGAAACCGAAGCGTTCGGGCATGACAGTCAGGCGGTTTGTCCGTTTGAA AATGTGCCGTCTGAACGCCCGTCCTGCCGGGTATCGGATACGGAAGCGGATGAAGGGGCG TTCCCATCTGAAGAAACCGGTGCGGTATCCGAACACCTGCCGACAACCGACCTGCTTCTG CCTCCGCTGTTCAATCCCGAGGCGACGCAAACCGAAGAAGAACTGTTGGAAAACAGCATC ACCATCGAAGAAAATTGGCGGAGTTCAAAGTCAAGGTCAAGGTTGTCGATTCTTATTCC GGCCCGTAATTACGCGTTATGAAATCGAACCCGATGTCGGCGTGCGCGGCAATTCCGTT CTGAATCTGGAAAAAGATTTGGCGCGTTCGCTCGGCGTTGCCATCCGCGTTGTCGAA ACCATCCCGGCAAAACCTGCATGGGTTTGGAACTTCCGAACCCGAAACGCCAAATGATA CGCCTGAGCGAAATCTTCAATTCGCCCGAGTTTGCCGAATCCAAATCCAAGCTGACGCTC GCGCTCGGTCAGGACATCACCGGACAGCCCGTCGTAACCGACTTGGGAAAAGCACCGCAT CTGGAATTGAGCATTTACGAAGGCATCCCGCACCTGCTCGCCCCTGTCGTTACCGATATG AAGCTGGCGGCAAACGCGCTGAACTGGTGTTTAACGAAATGGAAAAACGCTACCGCCTG GCAAGGGGAGAAAAAATCGGCAATCCGTTCAGCCTCACGCCCGACGATCCCGAACCTTTG GAAAAACTGCCGTTTATCGTGGTCGTGGTCGATGAGTTTGCCGACCTGATGATGACGGCA CATTTGATTCTTGCCACACACGCCCCAGCGTCGATGTCATCACGGGTCTGATTAAGGCG AACATCCCGACGCGTATCGCGTTCCAAGTGTCCAGCAAAATCGACAGCCGCACGATTCTC GACCAAATGGGCGCGAAAACCTGCTCGGTCAGGGCGATATGCTGTTCCTGCTGCCGGGT ACTGCCTATCCGCAGCGCGTTCACGGCGCGTTTGCCTCGGATGAAGAGGTGCACCGCGTG GTCGAATATTTGAAACAGTTTGGCGAACCGGACTATGTTGACGATATTTTGAGCGGCGGC GGCAGCGAAGAGCTGCCCGGCATCGGGCGCGCGGCGACGACGAAACCGATCCGATGTAC GACGAGGCCGTATCCGTTGTCCTGAAAACGCGCAAAGCCAGCATTTCGGGCGTACAGCGC GCCTTGCGTATCGGCTACAACCGCGCGCGCGTCTGATTGACCAGATGGAGGCGGAAGGC ATTGTGTCCGCACCGGAACACAACGGCAACCGTACGATTCTCGTCCCCTTGGACAATGCT TGATTTTTTGCAAATGGAAATGCCGTCTGAAGACTGTTTCAGACGGCATTTTTATAGTGG **ATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGA** TTCACTTGGTGCCTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGC CGTACCGGTTTAAAGTTAATCCACTATATCAGACATTTGAATTCGGATTATTCCCTGACC TGTCCCGTGCCTTGTACGATGTATTTGTAACTCGTCAGCTCTTTCAAACCCATCGGGCCC CGGGCGTGGAGTTTTTGCGTGGAGATGCCCATTTCGCAACCCAAGCCGAATTCGCCGCCG TCGGTAAAGCGCGTGGACGCGTTGACATACACGGCGGCAGAATCGATATGAGTCGTGAAA TCGATGTGCCAGACCGCCTCTTCGACCGAAGCGACGGTTTTCACAGCGAGGATGTAGTCT AAAAACTCGGTATCGAAATCGTCTGCACCCGCCGCTTCGCCGCCGATATGCCGCGCCGCC TGCGGATCCAAACGGAAGCGGATGGGCGGCAGTCCGGCTTCTATGCGGTCGCGAACCAAC AGCCGTTCGAGCTTGGGCAGGAAGTCGGCAGCAATGTCTTCATGTACCAGCAGCACTTCC ATCGAGTTGCACACGGACGGACGGCTGGTTTTGGCGTTGTACACGATACGGAGCGCCTTG TCCCAATCCGCGTCCTTGTCGATATAAATGTGGACAATGCCCGTTCCCGTTTCAATGACC GGCACGACGCCATTTTCAACCACCGCCCGTATCAGCCCCGCCCCGCCGCGCGGAATCAGC . AGGTCTAGATAATCTTTCGCCCTCATCATTTCGTAACTGCTTTCGCGCCCGGTGTCTTCA ATCAGTTGGAGCGCGTCGGGGTCGATGCGGGTTTGCGCCAACCCCGTTTTCAGGGCGGCA

ACGATGGCGCGTGCGGATTGGAATGCATCTTTGCCGCTGCGGAGTACGACCGCGCTGCCG CTTTTCAGTGCCAAAGCCGCCGCATCGGAAGTAACGTTCGGGCGGCTTTCGTAAATAATG CCGATAACGCCCATCGCCACGCGCTTTTTGACGATTTCCAAGCCGTTGGGCAAAGTCGAG GTTTCCAGTATTTCGCCCACGGGGTTGGGCAGCGCGGCAACCGCCCTGATGCCGTCCGCC CCTGCCGCGGCTTCCAAGTCTTGACGGTTTGCCGCCAAAATATCTGCCGTCGCCGCTTCC GATTTTTTTGCCGCTTTGGCAAGGGCAAGCTGTTTTTGTGTGTTTTGACATGGGTTTCCTT TTCTAAAATTCGGTCAGAAGCAGGCGTATTTCGGGCGTGATGGAAATCCAGTCGTCCCGA TGGATGAACACGCCTTTCGCCTTACGCGATTTGAGCAGGTCTTCGGCGGCGGCAGAGCCG AACAGGACGCCCCTTTGCCCAGGGGCTGTTTGGTTGCCTTGCTGTACACGGTTACGGTG TCCATACGGGAAAAATGCCCTTCGATTCCGGCAATGCCCGACATCAGCAGGCTTTTCCCC TGTTCGGACAAAGCGTGTTCCGCACCTTCGTCCACATAAACGCTGCCCCGGCTTTCGGAA TAGAACGCCAGCCATTGCTTCTGCGTCCGCAAACCTTTGGCACGGGGGACGAAAAACGAG CCGTCCGCCTGATGTTCGGCAGCTTCGGCAAGTGCATCGGGTTTGAGCGAGGAACAGATA TACACCGGTACGCCGGATTCGGCGGCGATGGTTGCCGCTTTGATTTTGGTCAGCATACCG CCCGTGCCGTTTGCCGAACCCGAGCCGCCCCCCCATTTCGATGATTTCATGGTTGATGTGT TCGATTTTGTCCAGCCGTACGGCATCGGGATTGCTGTTCGGGTTGCCCGTGTAAAGACCG TCTATGTCGGTCAGCACCAAGAGGTCTGCCTGTATCATCGCCGCCACTTGCGCACTC AATGTGTCGTTGTCGCCGATTTTCAATTCCTCAACCGAAACCGTATCGTTTTCATTGATG CGTTTGTCGGCAAAGTCGGCGCGGCTGAGCAGGATTTGCGCGGACACGATGCCGTCTGAA GACAGGTTTGCCGTATATTCTTCCATCAGCAGCCCCTGCCCGACGGCGGCGGAAGCCTGT TTGTCGGCGATTTTGACCGGACGTTTTTTGAAACCCAGCGCACCGAACCCTGCCGCAACC GCGCCGGAAGACACCAAGACCAGCTCGTGTCCCGCATGATGCAATGCGGCAAGCTGGCAG GTGATGGTTTGGATTTTGCCGCGCGAGAGACTGCCGTCCGAATGGGTAATCGAAGATGTG CCGACTTTAAATACGATTCTTTTGTATTTCATTGTTTCCGTCCTTGTTGGTTTGTCCTGT CTCGTTGCCACCTTGTGCCGCCGAATTTGCCCTGTTCTGCCGCAATTGTCAACAATCACG CCGCGTCTGCAATAAAATGGACAAAATGTATAAAATTAATAAAATCTATGGCGGCTTATT GAGATTTTTCAAATTTATATTGCCGTTTTGTCCAAAATGCGTATAATCCTGTCCATATTT CTGCTGTAGGCTGATTTATTTTAGACAAGGACTACCATGCAATTAGATATAGACCGCTTG GTTGCTTATTTCGGCGGCGTGAACGCGCTTGCCGAAGCGTTGAAACAGCACGATCCCGAA TTTTTACAAAAAACGAATCTCTGGAGAGAACAGAAATGACACAGACCAACCGCGTTATC ATTTTCGACACCACCTGCGCGACGGCGAACAATCGCCCGGCGCCGCTATGACCAAAGAG GAAAAAATCCGCGTCGCCCGCCAGCTGGAAAAATTGGGTGTGGACATCATCGAAGCGGGT TTTGCCGCTGCCAGCCCGGGCGATTTCGAGGCGGTCAATGCGATTGCGAAAACCATTACC AAATCAACGGTCTGTTCATTGTCCCGCGCCATCGAGCGGGACATCCGTCAGGCGGGTGAG ATGGAGTACAAATTGAAGATGAAGCCGAAGCAGGTGATTGAGGCGGCGGTCAAAGCGGTG AAAATCGCTCGTGAATACACCGACGATGTGGAATTTTCCTGCGAAGACGCGTTGCGTTCG GAAATCGATTTCCTTGCCGAAATCTGCGGCGCGGTGATTGAAGCGGGCGCGACCACCATC AATATTCCCGATACCGTCGGCTATTCCATCCCGTATAAAACCGAAGAATTTTTCCGCGAA CTGATTGCCAAAACGCCCAACGGCGCAAAGTCGTTTGGTCGGCACACTGCCACAACGAT TGTACTGTCAACGGCTTGGGCGAACGTGCAGGCAATGCTTCGGTTGAAGAAATCGTGATG GCGTTGAAAGTGCGCCACGACTTGTTCGGCTTGGAAACCGGCATCGATACCACGCAAATC GTGCCTTCGTCCAAACTGGTGTCCACCATTACGGGCTATCCCGTGCAGCCCAACAAAGCC AGCTTGGGCAAATTGTCCGGCCGCAACGCCTTCAAAACCAAGCTGGCGGATTTGGGCATC GAGTTGGAAAGCGAAGAGGCACTGAACGCGGCATTTGCACGCTTCAAAGAACTCGCCGAC AAAAAACGCGAAATCTTCGATGAAGACCTGCACGCACTGGTATCCGACGAAATGGGCAGC ATGAATGCCGAGAGCTACAAATTCATCTCCCAAAAAATCAGCACCGAAACCGGAGAAGAA CCGCGCGCCGACATCGTGTTCAGCATCAAAGGTGAAGAAAAACGCGCTTCCGCAACCGGT TCCGGCCCCGTGGATGCGATTTTCAAAGCGATTGAAAGCGTGGCGCAAAGCGGCGCGCT TTGCAGATTTATTCCGTCAACGCCGTCACGCAAGGTACGGAAAGCCAGGGCGAAACCAGC GTCCGTCTGGCGCGCGCAACCGCGTCGTCAACGGTCAGGGCGCGGATACCGACGTTTTG GTCGCCACCGCCAAAGCCTACCTTTCCGCTTTGAGCAAGCTGGAATTTAGTGCCGCCAAA CCGAAAGCGCAGGGCAGCGGTACGATTTGAGCGTGAAAACAGACGATGCCGTCTGAAGCA TAAAAAGGCTTCAGACGGCATTGCGGCGATAATAGGGCGCAAAACCCATTTGAAAAGGAA AATGATGGATTCCCGAAAATTTACCGAAGCATCCAAACGGCGGTTGAGCGAATTGTTGGA TGCCAAAAGCGAACAAGGCAACACGATGCGTTGCGACGAGGTTCAAGGTTTTATGACGGC GCTGTTGAGCGGGCCGGACAAATTGACACCGCTCGACTGGCTGCCCGAAGTGTTGGGCGA CGAATCGCAATTTACCGCCGCCGAACGTTCCGAAATCGAACGGCTGGTTTTGGCAATGGC GATGGAAACAACCGCCGCGATGTCGGATAAAAAACTGCCCGATTTGTGGCTGTATGAAAA CGAAGACGGCGGCAGCGATTTTTACACATGGTGCAATGCTTATCTTTACGGTTTGGATAT TGTGCCGACCGATTGGTTTGAAGCCGTCGATGATGAAGCGTTTGAAGAGTTGTTTTATCC CATCATGGCATTGGGCGGTATTTACGACGAAGAGGAAAACGGCGCTATCCGTCTGCAATT CACAGAAGGCGAGCTGGCGGAACTGGAATCCGAGTTGCCTTATGCATTGGCGGATATCTA CCGCTACTGGCAGGCAGTCATCAACAAACCGCAAACCGTCCGCAGGGAAGGCGAAAAAAAC AGGCAGGAACGATCCCTGTCCGTGCGGCAGCGGCAGAAAATACAAGGCGTGTTGCGGTAA GAATTGAAGCGTTTGTTTCCATGAACCAAACGTAAAAATAGCGTCTGAAACCGGATTTGC ATGTTTCAGACGGTATTTTTCACAGGCGGTCAGTGCTGTTTTTTCATGCCGAACCGGACA

AAGCCGACGATACCCAAAACAATCATCGGGACGCTCAACCATTGCCCCATCGACAGCCCC AAGGTCAGCAGCCCGAGATAGTCGTCGGGTTGGCGTGCGAATTCGGCAATGAAGCGGAAT ATGCCGTAGCCGCCGAGGAGAGCGAGGCGACTTGTCCGGTCGACCGCTGTTTTTTAGAG AACAGCCAAATGACGGTGAACAGGCAGATGCCTTCAAGTGCAAACTGATAAAGCTGCGAG GGATGACGCGGCAGCATACCGTATTGTTGCAGCCATTCTGCCCAAAGCGGATTGTGCGCG GCGGCTTCGGCATCTTCGTAACGCGCCTGCGGGAAGCCCATTGCCCAAAATGCGTTGATG TCGGTAACGCGTCCCCAAAGTTCGCCGTTGATGAAGTTGCCGATACGTCCCGAAGCGAGA CCCAGCGGAACGAGCGGTGCGACCGTATCCATCAGTTTGAGGAAGCCGATGCCGTGTTTG CGGCCGAACAACCGTATGGCAATAACTACACCCAAAAAGCCGCCGTGGAACGACATTCCG CCTTCCCATACCTTGAAAATATCAAGCGGATGGGCGAGGTAGTCGGAAAACTTGTAAAAC AGGACGTAACCCAAACGCCCGCCCAAAATTACGCCCAAAATGCCCCATGTCAGGAAGTCG TCGAGCGATTCTTTGGTAAAAACGGACAAGCCTTGCGCGATGCGCCTTCTGCCGAGAAAG GTAAAAAGAATAAATCCGAGGATGTAGCTTAGGGCATACCAGCGGACGGCAAGCGGGCCG ATACTGATAAGGACGGGATCGAATTGGGGATGGGTAATCATAACGGGCTTTCGTTTTCAA ATGCCGTCTGAAAGGCATGATGCTTCAGACGGCATTTCTGCAATAAGGGTTTCAGCGCAA ATCGCCGATGACGTTGAGGATAGCGGACAACGCGGCTTCGCCCAGCCGTAAAGAACGCTG ACCGTTCCAGCCGAAGTCGTCGTCGGGCAGATTGGCATTGTCTTTGAACGGCATTTCCAG CGTATAGGCAAGGCAGTTGAAACGGTTGCCGACCCAGTTGGTCGCCAAGGTCATATTCGC TTCGCCCGGCGCATCTTTTCGTAACCGTATTCGTCTTGGAAATCGGGGCTGGCGTTTAA AAGGGCATTTTTAAACTGCGCTTCCAACGCGGCGATGCGCGGATTGTAGTTCGGCACGCC TTCCGTACCTGCGACAAAGACAAAGGGCAGCCCTTCGTCGCCGTGGATGTCCAAAAACAA ATCCACTCCGGTTTCCAGCATTTTTTCGCGCACGAAGAACACTTCCGGGCTTTTTTCTAC CGTCGGGTTTTCCCACTCGCGGTTGAGGTTCGCGCCGGCGGCGTTGGTACGAAGGTTGCC CAGTGCCGAACCGTCGGGGTTCATATTGGGGACGATATAGAACGTGGCGCGGTCGAGCAA GGCGCGGCGGTAGGGTCTTGCGGGTCGAGTAATCTGCCGAGCAGCCCCTCGATAAACCA TTCCGCCATGGTTTCTCCCGGATGCTGGCGGGCGGTAATCCAGATTTTCAAATCGCTTTC GACCTGATTGCCTATGGTCAGCAGATTGATGTCGCGCCCCTTGCACGGTGCTGCCCAAGTC GTCGATGCGCACAGGCCGCTGCCTTGCGCGTCGCCGAGGAGGTTTAAATGCTGTTCTTC GGAGTAAGGTTCGAAATAGGCGTAATACACGCTGTTGGACAGCGGAGTATGATTGACGGT CAGTACGCCGTTTTCGTAGGAAGTCGGTACGCGGAACCAGTTGCGGCGGTCGTATGAGGC ACACGCCTGATAGCCTTCCCAGCCTTTCGGGTAGGCGGCTTCTGCCGCGTTTTCAAAATG CATGATGCAGTTTTGATATGCCGCGCCTTGCAGCCGGAAGTAGAACCATTGTGCAAAATC GGAGGCGTTGTCGGGACGCAGGCGAGGCGGATGTTGGAAGGATCGGTCAGGTCTTTGAC GACGACCGAGCCGGCATCGAAGCGGGTGCTGATTTTAATCATGGGAAAGTCCTTGCTGTC GCCGGTTTCTCGAACCGGATAAACCGCGATTTTACCGCCCGTATCGCAAGGCTTCAACCT GCCCGAAAGTCTGCCGGATGCCGTCTGAAGATTGTTTCAGACGCGTTTGGCGTTAACAT **AAGCCGAAATTGTCAACAATAGGGAGCCGTTATGGAGTCTGAAAACATTATTTCCGCCGC** CGACAAGGCGCGTATCCTTGCCGAAGCGCTGCCTTACATCCGCCGGTTTTCCGGTTCGGT CGCCGTCATCAAATACGGCGGCAACGCGATGACCGAACCTGCCTTGAAAGAAGGGTTTGC CCGCGATGTCGTGCTGAAGCTGGTCGGCATTCATCCCGTCATCGTTCACGGCGGCGG GCCGCAGATCAATGCGATGCTTGAAAAAGTCGGCAAAAAGGGTGAGTTTGTCCAAGGAAT TAAAGAAATCGTGTCGATGATTAACACATATGGCGGACACGCGGTCGGCGTAAGCGGACG CGACGACCATTCATTAAGGCGAAGAAACTTTTGATCGATACGCCCGAACAGAATGGCGT GGACATCGGACAGGTCGGTACGGTGGAAAGCATCGATACCGGTTTGGTTAAAGGGCTGAT AGAACGTGGCTGCATTCCCGTCGTCGCCCCCGTCGCGTAGGTGAAAAAGGCGAAGCGTT CAACATCAACGCCGATTTGGTAGCAGGCAAATTGGCGGAAGAATTGAACGCCGAAAAACT CTTGATGATGACGAATATCGCCGGTGTGATGGACAAAACGGGCAATCTGCTGACCAAACT CACGCCGAAACGGATTGATGAACTGATTGCCGACGGCACGCTGTATGGCGGTATGCTGCC GAAAATCGCTTCTGCGGTCGAAGCCGCCGTCAACGGTGTGAAAGCCACGCATATCATCGA CGGCAGGTTGCCCAACGCGCTTTTGCTGGAAATCTTTACCGATGCCGGTATCGGTTCGAT GATTTTGGGCGGTGGGGAAGATGCCTGAAGCAAAGTCGGAAAATGCCGGCTTTGGCGGAA AACCTGTTTGTCTGGTTTCTGTTTTTGGGGTTTCGGGCAATTTCCAAACCGTCATTCCTG AAAAAATATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGA ${\tt ACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTG}$ CGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAGAAACAAAAACAGAAGCCT AAGATCCGTCATTCCCGCCGGGCATCTGGTTTTTTGAAATCCGGTTGTTTGGGATAAATT CTCCGGCTTTGATTTTTTTTTTTTCCGATAACGCCATAACTTTGAAATTTCGTCATTCCC GCGCAGGCGGAATCTAGACCTGTCGGCACGGAAACTTATCGGGAAAAAAGGTTTCTTTA GATTTTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAA CGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGC GGCTTGGTCGCCTTGTCCTGATTTTTGTTAATCCACTATACGTCCTAGATTCCCACTTTC CTGGGAATGACGGGATGTGGGTTTTTGTGCGGATTTGAACCGGTAAGGGTGGTGTGGGAT TGGTGGTTTGCTTAGGATCTTTTGGATTGTATTTTGTATATACATTTACTTGTTGATAAA AGATAAAATAAAATTAGAAACTAAAAGTGAGAAAAAATTAATAATAATAGGGATGTATAA ATGTAAAGGCTCCGTTTCATAGCTAAGGTTATCTGAATATATGGAAAAAAAGTAAAAGTC CATAAAACTAAAATATATAGATAATGCTAATGATAATAGAATTATCACTTTCCTAGAGTA GCTATGAAATAAATTGTACATAATTGAACGAGCAGATCAAAAAATGAACTACATATAAC AATAAATAACGTATTTACCATACTAAATTTAATAGGTCTCATTATCATATTTAATAA CCACTTCATAGTATAGTGGATTAAATTTAAACCAGTACAGCGTTGCCTCGCCTTGCCGTA CTATCTGTACTGTCTGCGGCTTTGTCGCCTTGTCCTGATTTAAATTTAATCCACTATAAA ...TGCAGAGTGGGTGGAAACACTCACTTTATGGTTTGCTAGGCTCTGCTCAATTAGCAACCC GATAACCCAATATGGATAATAGGGTAATTAATCCAATCTAATTTGTCAGCATCCGTTAAT

TTATTGCAAAATAAAGTATTGAATTATGTCGGGTGCAAATGACGAAATATAAGTTTCCGT GCGGACGGATCAAGATTCCCACTTTCGTGGGAATGACGGTGGAAAGATTGTTTTTTCC CGATGAATTCCTGTGTTTTTTGTTTTTCCGGATAAATTCCTGTGGCTTTGAGTTTTTTGG ATTTCAGCCTCAATGCCGTCTGAACGCCGAATCGGGCTTCAGACGGCATTGCGTCATTTG AAATTCAAAACCGGCCAGCCTTTTTCTTTGGCTTCTTTTTCCAGCTCGGCATCGGGGTTG ACGGCGACGGGTTCGCTGACAAGGCGCAGCAGCGGCAGGTCGTTTTTGGAGTCGCTGTAA AAATAGGTTTTGCCGTAGCTTTGGAGCGTTTCGCCGCGTTCGGCAAGCCATTGGTTCAGG CGGGTGATTTTGCCTTCTTTGAGGCTGGGCGTGCCGATGTAATTGCCGGTGTAGCGGCCG TCAGAACCGGTTTCGAGTTGTGCCGATGATGTTGGTGATGCCGAAAAGGTGGCAGACG GGGGTGATGAACTCGTTGGTTGAGGAAATCACAAGGGTTTCGTCGCCTGCCATTTGG TGGCTCTGCACCAGCATACGCTGCATAGGCGAGATGTGGGGGGATGATGTATTCCGCCATA AATTTGAGGAATGCGTCGATGTCGAGGCAGCCGTTTTGGTAGTCGCGGTAGAATTTTTCG TTTTGCGCTTCGGTTTCGGCAGCGTCAACCAAGCCTTTTTTGATGAGGTATTGCGGCCAG GCGTGGTCGGAATCGGTGTTGATGAGGGTGTTGTCGAGGTCGAAGATGGCGAGGTTTTTC ATTGGGTTTCCTGTTGTTTCAAAAGCTGGCGCAAAAGCGGCAGGGTGATGCGTTTGCCCA TCGTGACGGCGTAGTTGTCCAGCGTGTCGAGCATCATCACAGGCTGTCCATATCGCGCC GCCAGTGTTTGAGCAGGTATTCGAAAATTTCGGAATCGACGGTTACTTGGCGTGCCGCCG CCATACTGGCGAGCGCGTCGATTTTTTCTTGGTCGGTTAAGGGTTTGACTTCGTAAACGA GGCAGTACGCCATACGCGTCCGCAAATCTTCGCGGATGACAAGCTGCTGGGGCGTGTATT CCGAACCGAGCAGAAAAGCCTTTGCCGCTGTTGCGGAAGCGGTTGAAGATGGAAAAAA GCAGGGCTTGTTCTTCGTTGCCCAGTTTTTCGACTTGATCGACGGCGAGGTATTCCGCCT CGAACGCGGCATCGGTCAGCGGCATGGAGGCGGCATCGATATAGGCGGCGTTTTTGCCGG CTTCGAGCGCCTGTGCGACCCACGCCTGCAAAAGATGGCTTTTGCCCGCGCCTTCTTCAC CCCAGACATAGATAAACTGTCCGTGTTTGTGTCGGAGGACATAGACCAGTTCCGCGTTTT CCGTGCCGAGGAATTTGTCGAAACTCGGATAGTCGTGTGCGGCAAAGTCGAAAATAAGCT GGTTCACGGTTCGGCATTCCGAGGGGTGGTAAACGGGTTTATTGTACGTTGTTTTCGCGC GCCTTTCCAATTTGAACGATGCCGTCTGAAAACGGCTTCAGACGGCATCGTTCAACCGCA GGCAACGTTGCCGACATCGAGGCGCATATTGTGGAACGCGTTGAGCGTGCTGCGGTGGCC GATGCTGATGATGATGCTGTCGGGCAGTTTTTGTTTCAGTGCGCGGTAGAGCAGGGCCTC GGTCGGTTCGTCCAAAGCGGCGGTGGCTTCGTCGAGCAGGACGATTTTGGGCTTGGAAAG CAGGGCGCGGACGAAGGCGACGCGTTGCAGTTCGCCCGGGGAGAGTTTGTGTTGCCAGTC GTCGGTTTTATCTAATTTATCAACCAGATAACCCAAGCGGCAGGTGTTCATGGCTTCGGC TAACTCGGGATGCTGCTTGTCAATGTCGGGGTAACAAACCGCGTCGCGCAGGCTGCCCTG TGCCGTGTACGGGCGTTGCGGCAGGAAGAGGATGTCTTGATGCGGCGGACGGCTGACTTT ACCGCTCGGGCCGCGTATCAGCAGGGAATCGCCGTTTTTGAGGTTTATGTTGATGCCGCT CAACAGGATTTCGCCGTTGTGGCGGAACAGAGCGACGTTTTCCTGTGGGGGACTGTTAGT TTTTGCACAAGGAACAAATAGAGTAAAAAAACGCTGAAATCTTCGGAAGACGTGGATTTC GGCGTTTTTTTGTATCCGGAAAAGTTACGCCAGCTTTTTCACAAAACCGCGCCGGAATGC GCGGTTTTCTGTTTAAAGCTGACGAGATTAGGGAATTTTTAAAACTGTTTTAAGAGGTTT TTAAAATGGATTTAATCAATACTCCGGCCATACCATTCAACACGGCCTATGATGGCGATG TCGTCTTGGGCATTGCTCAAATCTATTTCAAACGGTGCGTAACGTGGATTTTCAGACGTT ACAAGCAGTTTGCCCGGTATACGTTGCACACGTTTGACAAAGAGGTCATTGCCTATACGC AAGACATATAGGCCGTCACGCGGGTCAGTTTCGGCGTGGTTGATGAGAATGGAATCCTCA TGTTTGGTCACATAGTTGTCAATCCAATATTTCCGGAAAGCCAAGCAGAATAAAGGTTCT TCGCCGAAGACTGGTGCGCCATACCCTGCTGCTGCGGCTACGTTGTAGCGCGCACGAAT ACAAACTCGGACAGGTCGACAGGATTGCCCATAGTGTCGGTGATTCCATCAGAATTTCTA CTTACAGAGAATGCTCCGGCGTTTTCCGGCCTGGCTTTATCGAGATACGGCAAGCCTTTT CCGGTCAGCAGCCAGTTTAAATCACAACTGAATTTTTACTAGGTAATCGGCTGTTGGGAT AGCTCCCTCTTTCCAAACTCTATTAAATCCAGAAGCCGACATTTCTATTTTGTTATAGAT GTCAGATGGCTTAGCCCCATGAGGCCAAAGAAATTTGAGCCTATCTAAAAAAGTATCCAT TAAATAAGATTACTCAAATAATCAATATTTTGTAAAAATAATTACGTTTTTGAGAAAATA TTTTAGCAAAAGAGTTTCATGAAGCTGTTTTGCTAAATGTAATTCACTCATTTGCTAAAT GACGGCGGTTAATAAACCTACTTAATTAAGGAATTGCGAGAATGAAAAAAAGCAAGAAAG GAGAGCGTTATCTATCGAGGCTAATTTAGCACCAAATACATTAGGGAAAGCTTTAGATGC TCCTTATCTGAAAGGCGAAAGAATCATTGCAGCAGCGATTGGAGTACCCGCAGAAGAAAT CTGGCCATCTCGTTTTGAGAAACGAAACCATAAGCCAACCTTCCCAAGATCTATAAATAG ATAACTGTTTTGCTAAATAGTTCCAAAAGAGTACCGCATTTAAGCAAAAATAGAAAGCGG AAAAATGAAAATATCTGCATCTGATATTGCGAAATTAGGAATTCCGAGCCTACCAACTG ATAGACAAGGGATTGAATACCATGCCAAGAAAAATAATTGGCAACACTGTTTTGAGCAAA CAGCCATCATGAAACGGCAGTCGGACGAGCTGGCGGAGAAGATGCCGAAAATGCTGCCCA AAGTCAGACCGGGGACGGCGATGTCGGCTCAAGCACTGGCTGAAGCGGCCAAGCTGTTGA ACGAGAAACAACGGTCGCTGGCGGATGCGCGATGTGCGGTGGTAGCGGCGGTATTGGGGA TTAAATACGAATACGATTGCTCTGCCAAGGCTGCGGTGGCTCAGTTTTTGGGCTTGCTGG CAGAAGGTAAATTGGACGCGGTCACGCTTGGGAACTTGGAAAAGGCCAATGACCGCAGCC GGACGGCGAAGGTCGGCGAACGTACTTTAGACGGCTGGATTTCTGCTTATTTGAAAGCGG AAAACGCGACGGAGCGGTTGGTTGCTTTGGCTCCGAAGACGACGAAGGCGGTCAAGCCGA .. AGCTGGCGCACAGCTACCGCTGGTTTGTGCAGTGGGCGGAAAGCGGAAAATATGCCGGTCA ATGATGTGCCTAACTTGAGTATGGTGCGGCGCGTTTGGGAAAAGCTCCCGTTGATTATGC

ATTGGGGGGCTTTGAAGCCGAACGATGTTTGGATCGGCGACGGCCATAGCTTTAAGGCAA AGGTGGCGCATCCGGTACATGGCAGACCATTTAAGCCGGAAGTGACGGTGATTATTGATG GTTGTACGCGGTTTGTGGTCGGGTTTTCGGTCTCTCTTGCTGAAAGTTGTGTGGCGGTAT CGGACGCTATGCGTATCGGGGTCAAGCATTTTGGTTTGCCGATTATCTATTACTCGGATA ACGGCGGCGGCCAAACCGGCAAGACGATAGACCATGAAATCACGGGTATTACGTCCCGAC CGGGTATCCGCCATGAAACGGGTATCGCGGGCAACCCGCAAGGGCGCGCGATCATTGAGC GATGGTGGAAAGACAATCTGATTGAGATGGCGCGCCAGTATGAGACGTTTGCGGGTGCAG GGATGGACAGCACGAAGAACCTGATGTACCGCAAGATGGAAAGTGCGTTTAACGCTT TGGAAAAAGGCAAGGATTTGACGGAGGAACAACAGAAATATTTGAAAAAACTGCCGAGCT GCGAGCTGCCCGACATCCTGACGGCGGGCATTATACGCCTAAGGCTTATCGGGAAATGA GGCTGGAACAGGACGGTATCGCGCCGGATATGTTGTCGGCGCAAGAGCTGGCGACGATGT TTATGCCGCAAGAGGTGCGAAAGGTACAGCGCGGTTGGCTGGATTTGTTTAACAACTCTT **ATTTCTCAACCGAGCTGGCGGAGTATCACAAAGACGAGGTACGGGTCAGCTACGATTTGA** GCGATGCGTCGGCGGTCAATGTGTTTGATATGGACGCCAAGTTTATTACTAAGGCGCAGG CCAACGGCAATACCCGCGAGGCTTTCCCGACGGCTCGTATCGACCAACTGGCGGAAAAAC GTCGAAAAGGCAAAATAAAGCGGGCGGAAAATGCAATCAAGCTCGCAAACGCGGAAGTCA **ATCCTGCTCTGGAACAGGCTGCGGTTTGGGACGAGCTGGGACATTTGGGCGGAAACGACA** TCGAGGCGGAGTATGCCGTATTGCCGAAAACGGGCACAGACGATTTTGTGTTGTTTTGAGG CGGATAGATAAAGGAAAACATGATGGACAAACAGCAAAATGCAGCGTTTTCGGCCGAGCT TGTTGAAAAATTGAAACTCAAGCGAGCTCTTGGGCGGATTCAACGAGCTCAAGCAAAGAT TCAAGGTGTTCCCGCTGAACGGAATCAGGCTCAAACGTTTTTGCCTGCGCTTGAAGGAAA CTGCGAACCTGCTCAATCGAAGTCGGCTCTTGACGGGTAATCCGCTGGAGCAGCCAGGAA AGTACGAAAGAATCGGCAAGTGACCTGTCTTCCAAGTCTTGAACGGCGACTTCCAGCATG AAAACTCAAGGATATTAAAAATGAAACAAATTAATCAAGCATTGCAACAAAAACTGGTTG **AATTTAAAGAAAATCAGGCATGAACCAAACCCAACTGGCACGCGGTATCGGTACTTCGC** CGGCATCCATCAGTATGTATCTGAACGGCACTTATGCGGAAAAAGGCGGCAATTATGAAA CCATCGAGCCGAAAATCGAGGCGTTTTTGGAGATGCAGGACAGTAAAGCGCAACGCGAAG AGCTGGTGTTGGGTTTTGTATCGACTAAGACGACCCGCCGTATTGCAGAAGTGATGCGCG **ATGCGCACGAAGGCGGCGAAACAGTGGTGATCTACGGTCAGGCGGGATTGGGCAAGACTC** GCTTTACGGCTTTGGTCTTGATGCGCAAGTTGGCGACTGCGGCGAAGGTATCGGCGATGG GCAGCCTGAATGATTTGTTTGAGTCTGTATCTGACCGCCTGCGCGATTCGGGCCGTCTGA TTGTGGTCGATGAAGCGGAAAACCTGCCTTTACGCGCCCTTGAAATTGTACGCCGTCTGC ACGACGAGACTGGCTGCGGCTTGGTGTTGAGCGGTATGCCCCGACTGGTGGCCAACCTGC GCGGTAAGCATGGCGAACTGGTACAGCTTTACAGCCGCGTGTCTGTTGCGCTGAATTTGG GCGAATCTTTGCCGGATGACGAACTCTTTGAGATTGCGAAAGCGGCTTTGCCTGATGCGG TCAAGCATCTGCTCCCTGATAGTGTACAAGCGTTGATTACGGTCATCGGGTTTAATGAAA CGCTGGAGCTGGTGCGCCTGATGGGCGGTACGACTTATCCTTTGCGGCAGGGTTATACGA AAAACAGTCAATCCCGTGTTGCATACTTGGAAGAGATTATCGGCAGTGAGGCGGCCGGTC GGCTGGTGGAGGCAATGGCTCCGTGCAATCTGTTTATACCCCGTTGCGAGACGGCCTTGT ATGAGTTGCGAAACCGTAAAATCCGCAGTCAGTTTGACCGGCAGACGGCAGGCGGTACCC CTGCTTATGAGGCCGTTAACGATTTGGCCTTGGCACACCGCCTAAGCGACCGCCATGTGT GGCGAATTTTAAAGCAGGCGGATAAGGAAGCGGAGCAGGAGAATTTGTTTTAGAATGGAA TGCCATGCAGATGTATGGCATTTTATTTTGGAGAAAAATATGAAAAAGTTTTATTTTGTG CTGCTGGCGTTGGGCAGCGTGTGGGCAAGAACAATCGCAGAAAGCTGATGCGGAG CAGTATTTTTTTGCCAATAAATATCAATTTGCAGATGAGAAACAGGCTTTTTATTTTGAA CGCGCCGCCGTTTCCGTGTATTGCAACAAGGCCTTGGCGGGGATTTTGAGAGGTTTTTA AAAGGAGAAATACCTAATCAAGAAAATCTTGCAAAGTATCGTGAAAATATTACTCAAGCA GTCGCTTATTATGCGGACACGAATGGAGATGATGACCCATACCGCGTCTGCAAACAGGCT GCGCAAGATGCAGAAATCCTGATGAAGAGTATGGTAACAAGCGGTGGAGGCGGTACAACT GATTTAGATAAGGAAAGTTATCAAAATTACCGAAAATCAATGCAAGAATGCCGTAAAACA AACAACAGGCGGCTTTTTTGTTGCCTACTGACACTGTTTCGCCCGCTGCAAAAGCCATGC GAGCAAAATTATTTGTCTGACTGCCGGACACAGTAACACCGACCCGGGCGCAGTCAACGG **AAGCGACCGTGAGGCGGACTTGGCGCAGGATATGCGCAACATTGTGGCTTCAATCCTGCG** TAACGATTACGGCCTGACCGTTAAAACCGACGGCACGGGCAAAGGCAATATGCCGCTGCG CGATGCGGTCAAGCTGATTCGCGGCTCGGATGTGCGATTGAGTTCCACACCAATGCGGC GGCGAACAAAACGGCGACAGGCATCGAAGCCTTGTCCACGCCGAAAAATAAACGCTGGTG TCAGGTGCTGGGCAAAGCCGTTGCCAAGAAAACCGGCTGGAAACTGCGCGGCGAAGACGG TGTGTTTGAGCCTTTTTTCATCAGCAACGACACTGATTTGGCCTTGTTTAAGACGACCAA ATGGGGCATCTGCCGCGCGATTGCGACGCGATTGCGATGGAATTGGGAGCGGCGAAGGT ATGAAAAAGTCTTTGATTGCTTTATGTGTTGCCCATTGTGCAAAGTTGAAAAACGATTTT GGCGTACCACCGTTACCTGAAATCAAAATCACGCCAAGCCCTGTTCGGGTAGGCTCTTTG AAACAACATCCGAGCCTGCGCTTGGGTAAATCAGGCGTGGCGGCTGCTAAACGTGCGGCG CGCAAACGCAAGAATCGTCGTTAATCATGGGACAGGTTGCGTTTTACGAAAAGATGATTG GGCTGTGGTCGGCCAAAAGCCGTGAGGCAAGCGAACAGGCGGACTTGGCTGCGTTTGAAT TTGCGGAGGGCGAACTGGCCAATTATCGGGAAATGCTGAAACGGCACCTGCAAACCAAAA GTGTGGAATAGCAATGCGTATTTTGGATATTTTTAAAAACCCGGCGACAGGCAATGTGTC GCACTCGAAACTGTGGGCAAACGTTGCCTGCGCGGCTGGGACGTTTAAGTTTGTGATGTT.

GCCCGATCCGTCGGCGGAAATTTGGGCGGTGTATTTGGGCATTGTCGGCGGCTATGCGGT

TGGCGAATAACTGGCAACCGATTGCCATTATCGCGCTTGTCGGCACGGGCTTGGCTGTT CGCACCATCAAGGCTACAAGTCGGCATTTGCGAAGCAGCAGGCGGTCATCGACAAGATGG AGCGCGACAAGGCGCAAGCCCTGCTGTTGTCGGCTCAAAACTATGCGCGCGAACTGGAAC TGGCACGCGCGAAGCTAAAAAATATGAAGTCAAGGCGCACGCTGTCGGCATGGCTTTGG CGAAAAACAGGCGGAAGTCAGCCGTCTGAAAACGGAAAATAAAAAGGAAATCGAAAATG TCCTTACTCAAGACCGTAAAAATGCAAGCGGCGGTTGCATTGACGGCTTTGGCTCTCACG GCCTGCAGCTCTACAACCGCGCCCTCGGCTACGGAAATTAAGGTTGTCGAAAAGGCAGTC ATGCCGACCCCGCCTGCTTGATGGTCGCGCCGGTACGCCCGAATCCGCCGAAAGAC GGCAAGACGGCCACGCTGTTGGAACACGCCGCTGAGTTTGGTGGCTATGTGGCGGAGTTG GAAAATCAAAATCAGGCTTGGCGCGACTGGGCGGGCAATCACTCCCGCAAAGTCGGAAAC TGACAAAAAGCCCGCGTAGGGCGGGGCTGAGGGTGAAAGCGGATTTTATACCTCTTTT ACAGGGGTAGCGGCGGTAGTGCTTTTCAGCAAATCGACTGCGTGCTGACAGTTTTGCTTG CTGGTGTAGCCTTCGCCCTGAGCGATGATTTCATGGTTGGCTGCTTTCAAACGCCAACGG ACACGTTTTCTTACCGCTTTAACGGCAAGTCCTGGTCATTGAGCATTTGGGCGGACAACC CTGAAGAAGCCAGGGCGAAATTTCGGGCTGCACGAGAAAATGCGCACTATGACGGCGAAG TTGTAGCAAAGGTTTATACATTTGTAAATATTTCGTGGGTTAAGAAATTGTACAAGCGGA CAAAATATTTAATGGGTATCAAAGAATGACCTACCGTGAATTAGTTGAACGTCAGTTGGC TGTGCGCCATGCCGATTTGGAATTGGGCTTAAGCCGCGCACGCGAGCAAGAGCCGTTTGT CATTCATGTTTCCGATCTGTTGGATAAGGCAGGCATTGAGTACGCGGTACGCATGGATAA GGATTTTCAGACGACGTTTCACCTTGAATATCCAATTACGAACTATGACACCTTTAAACG TGCGGTTTGGCAAACTTTGGGGGCGTATTACTGTGTTTGTAATGATGGTGATGGACTGGA GATTGCCAGCAATCGCCCTGACGGTTACGCCGTCCGTATCGTATTCGGCGATGTGCCGGT TTAAAGGGGTTTTAAATGGACTTTGAATTTGGTTTCAGAACCCTGTGGCCGATTGCGACG GCGGCATTTTGGTTTTGGGTCAACGGCATTTCAGGCCGCCTGAAAGAGGCGGACAAGCGT ATCGACGACCTTAAAGAGGAGTTGCACGCGGTCAAGCTCTCTTATCACACCAAGGCGGAC GCCAAGGCAGACAGCACTAATATTGCGGCGGCCTTGGAGCGAATTGAAAACAAGTTAGAA AAAGTAAACGAAAAACTGGACAGGAAAGCAGACAAATCATGAGCGACCCGATTTTGGATG CCTTGGCGCGTATTGAAAACAAGACTGATCAAACGCTGAAAAATCAGAAGGAAATGCAGG CGGAAATTGCGCAAATTCGCCAAGACACGAAACGCACGGCCATTACATTCGGCGCACTGG GCGGCGCGTGATTACGGTCGGCTGGGAATTGCTTAAAGCGAAAATGGGACTGTAATTAT GGCTCACCCGCAAGAAATCCGTGAAAAGTTACGCCGGCTCTATGTGAGCGGCGAGCAAAC TGCGGATAAGGAAAAAGGCGACGACTGGGATAAGATGCGCGCCGCTTACACTTTGGCCGG TGGCGGTATTGAGGATTTGAGCCGTGCGATGTTGGCCGGTTTTATGGTGCAGTACAACAG CACGATGACGATGCTGCAGGATTCGAGTACCGAAGATTTGCCACCATCCGACCGCCCAA GCTGTTGGCCAGCCTGGCCGATGCGTTTACGAAAACCGTATCGGCCAATGCGCGTGTGAT **ACAAGAAAACATCCCAAACATTTGCCTGCCTTTGTGGAGGTATTGGAGCCGTTTGGGGT** GGAAGTGGAGAAGAAGTTTGGTTAGAGGCCAACAAATTTTTTTAAAAGAGTAATGAGGGT GGCGGCAGGGATAGCATTAATTGCATTTTCCGTAAGCGTACTTAATGCAGTGTCCTTGAT TTTCCCTAATTCTTTTTCAACCAGCTTTTTTCTGAATCAGAAATCTCTGCTTGGTCTAT TTTTGCCGCAATTAAAGCCTGAATAGTGTCGCTGTGTAGTTTGACTGTGACAACACCAAG **AATGGCGGATAGGCCGCCATCATCGGTAAGGAAGTCTATGCCCTTATGATTAATTTTGCA** GTCAAAATTTTTATGAAGTGAATCTATCGAAGTAATTTCAATTAAACCAGATTCTTCTAA GTAATAAATATTTTTAAAAAATATTGGAATTCATCTGATTGTAAAGTTGCTAGGTGTTG **ACTTTGAATTTCACAACCAAGAGTCAAAGCCAAGCCCAATCCTTGTTTATCAACAGGGAT** GTTAGAAGTAATAGGTAAAGAACTACTAGGGAAAAGAGAGTTATACACCTTGGTTGCTTT TAGGCAGTTCGGGTAATTATCACTTAAAACTCGTAAGATTTTTTCCTGAATACCTCTATT TAACCAGTTCATAAATTATTCCTCATGAAAACAAAAGAATTCCTCAAATCCCTTGCCGAA CTGGCCGCCAGTTTGCGCCAAGTCATCGAAGCGGAAGTGGACGGCTTCGATGCGTCGCCC AAGGCTATTGCTGCACGCCGTGCCAAGGTGTTTGACCCGGTAGGCGGTTACGAGTATTTC GTGAATACCTACTTCCCCCATTATATCCGCTCGCCTGAGAAATCCGAACTGCATGCGTTT TTATTCAGCCGTCTGCCGGAGATTATCCGCTCCCCAAAGGGGAAAATGAGGCGGTGGGT GCGCCGCGTGGAGAGGTAAGTCGACGAAGGTTACTCAGTTGTTTACGCTGTGTATT GTGACCGGCCAAAAACATTATGCTGTTATTGTGATGGACAGTATCGACCAGGCATATCCG ATGCTGGAAGCCATCAAGGCGGAACTTGAATTTAACCCGCGCTTGAAAACCGACTTTCCG GAAGTATGCGGCCAGGCCGTGTATGGCAGGCCGGTACGATTGTGACGGCCAATGACGTT AAAGTCCAAGTGGCCGGTAGCGGTAAAAAGCTGCGCGGTTTGCGTCACGGCCCTTACCGT CCTGACTTAACTGTTTTGGACGATATTGAGAATGACGAGCCAAGTCCGCAACCCCGAACAG CGCGACAAGCTCAATGCGTGGCTGACTAAGACCGTATTGCCTCTGGGCGGTGTCGGTCAG AAATACGATGTGATTTATATCGGCACGATTTTGCATTACGACAGCGTACTTAACCGCACT TTGAATAACCCGTTTTGGCACGGTATTAAGTTTAAGGCGATGAAACGCTGGCCTGACCGC ATGGATTTGTGGGACAGGTGGGAGGAACTTTTCCGAAACGACGGCGAGACGGTGGCCGAG GCGTTTTATCAGGCAAACAAAGACGAGATGGAGCGCGGCGGCGGTCACTTCTTGGGCGGCG CGTGGCGTACTCGCGCTGATGAAAATCCGTGCGCGTGACGGCCATGCGACGTTTGATTCA GAATATCAAAACGATCCGGTCAGTGGCGAAGATGCGCCGTTTGCCAAGTCGATGAAGTTT TGGAACGACCTGCCGTCCGATTTGGTGTATTTCGGTGCGCTCGACCCGTCACTCGGAAAG GCCGGGGCGAGCCGTGACCCGTCCGCGATTATCATTGGCGGTTATCAACGTGTAACCGGC **AAACTGTATGTCGTGGAGGCTCAGATTAAAAAACGTCTCCCTGATTTGATTATTGAGGAC GTTATTCGATTGCACCGTCAATATCGTTGCAAACTGTGGTTTGTTGAGACTGTTCAATTT** GCGCGGCCGTCAAACCGGTATCGGACAAGCTGTTGCGGATCGAGACTTTACAGCCTCAC ATGGCGAACGGTTTGATTCTGTTGAATGAGAGCCAACAAACGCTGATACAGCAGTTCCGC

CATTTTCCAAAGGCTGATCATGATGATGGTCCTGATGCCGTGCATATGCTCTGGTCGGGG GCGGTGGCCAATTGTGTGCCGATAGAATGGCAAAGCCCTACCGATAACGATTTTGATGAC GAGATAAAAAGTAAATGGAGCCGATAATGGCAAAAAAGAACAATAAAACTAAAATCCAAA AGCCCGAAGCTGCATTGCAGACGGACGTGGCTCAAATTACGGCGACCGGTCGGGTTATCG CCGAGCATCCGTCCAATTTTATTACGCCGCAAAAGATGCGGGCCCTCTTCGAGGACGCAG AAAGCGGCGACATCCGCGCCCAACACGAGCTTTTCGCGGACATTGAGGAGCGCGACAGCG ACATCGCGGCAAATATGGGGACGCGCAAACGCGCGCTGCTGACGCTCAACTGGCGCGTCG CCCCGCCGCAAATGCGACGCCCGAAGAAGAAAAGCTGTCCGACCAAGCCTACGAAATGA TGGACAGCCTGCCTACCCTCGAAGACCTGATTATGGATTTGATGGACGCGGTAGGGCACG TTATCCACCGCCCGCAAAGCTGGTTCAAATGGGACAAAGACAACGGGCTGCTGCTGCTA CCCGCGAAAATCCGGAAGGCGAAGCGTTGTGGCCGCTGGGCTGGGTCGTTCATACCCAAA AATCGCGCAGCGTCCAGCAGGCGCGCAACGGGCTTTTCCGCACGCTTTTCCTGGCTGTATA TGTTCAAACACTACGCCGTCCACGATTTTGCCGAGTTTTTGGAGCTGTACGGCATGCCCA TCCGTATCGGCAAATACGGCGCGGGCGCAACCAAAGAGGAAAAAAACACCCTGCTTCGAG CGGTGGCGGAAATCGGTCACAACGCGGCAGGCATCATGCCAGAAGGTATGGAAATAGAGC TCCACAACGCGGCAAACGGTACGACGGCAACCAGCAATCCGTTTTTGCAGATGGCCGACT GGTGCGAAAAATCGGCGCGCGGCTGATTTTGGGGCAAACGCTGACCAGCGGTGCGGACG GAAAATCCAGCACCAACGCGCTGGGCAATATCCACAACGAGGTACGCCGCGATTTGCTGG TGTCGGACGCAAAACAGGTGGCGCAAACCATCACAAGCCAAATCATCGGACCGTTCCTGC AAATCAACTATCCCCATGCCGACCCAAACCGCGTGCCGAAATTTGAATTTGACACGCGCG AGCCGAAAGACATCGCGGTCTTTGCCGACGCTATCCCGAAACTGGTGGATGTCGGCGTAC AAATCCCCGAAAGCTGGGTGCGCGACAAACTGGTCATTCCAGATGTGCAGGAGGGTGAGG CTGTGTTGGTGCGGCAGGTACCGGACAATCCGGTAAACAGAACTGCATTGGCGGCTTTAT CCGCCCACACCGTACCATCTAAGGCTACGGGCAGGCATCAGGAAATATTGGACGGCGCGT TGGATGACGCGCTGGTTGAGCCCGATTTCAATTCTCAGCTCAACCCGATGGTGCGTCAGG CGGTTGCCGCACTTAATGCTTGCAACAGCTACGAGGAGGCAGATGCCGCACTGAATGCGC TTTATCCGAATTTGGACAACGCGAAACTGCGTACCTATATGCAGCAGGCCTTGTTTATCA GCGATATTTTGGGACAAGACCATGCCCGCGCCTGATTTGGGATTTGCCTTAAGTCTGCCG CCAAAAAGGCAATCGAGTGGCTGGAAAGTAAAAAGGTTACGGCGGAGAGCTACCGCAAT CTGACAGCCTCCGAAATTGCCAAAGTCTATACGATTGCCCGCATGACCGACTTGGATATG CTCAACGACATCAAAACTTCGATGGTTGAATCGGCAAAAAGTGGACAGTCGTTTGACGAT AACGGTAAGGATATCATCGACCCAGCCACCGGGGGGGTATTCGGTTCGCCGCGGAGGTTG GAGACGATTTACCGTACCAATATGCAAACTGCCTACAACGCCGGTCAATATCAAGGATAT ATGGCAAATATTGATGCACGACCTTATTGGATGTATGACGCGGTAGGCGACAGCCGCACC CGTCCGGCGCATTCGGCAATAGACGGGCTGGTGTACCGCTACGACGACCCGTTTTGGGCA **ACGTTTTACCCGCCCAACGGCTACAACTGCCGCTGCTCGGTCATCGCGCTGTCGGAGCGG** GATGTGGAACGCCAGGGGCGGATTGTTGGGCAAAGCACGGCGGACAATCTGGTCGAGACC CATAAAATCTACAACAAAAAAGGCGATACTTATCTGACCCTTGCCTATAAAGCACCGGAT GGCAGTCTGTACACGACCGATCGAGGATTTGATTACAACGCCGGACGAATGAACTACCGC CCCGATTTAGACAAGTACGACCGTGCGTTGGCGCATCAATTTGCCAAAGCGGAAATGGGT GGTGCGGATTTTAAAACCAGCTTTAAACAGCTTGAAAAAGAGTTTTATGAAGTCAAGCAA CGTTTGGATATTGATGGCAAGCCCGATAAAGAGCAGAAAATCAAAATCCGAAATGCGCTA TCAAGACAGCTTAAATTTGCTGCGGGTGTATTGAGCAAGGAAACGCAAGAATTGGCAGGT ATGACACGAGCGACGGTGTGGCTGTCTGATGATACGTTGGTTAAACAGGTAGACAGCCGT GAGGGGCAGAATTTCGATGACTCCTACTATGCTTTTTTGCCGGATATGCTGCAAAACCCT GAACATGTCATCCGCGACAATCGTGAATTGATTTCACAGCTCGCTATAAAGGCTCGGCA TTGTGGGCAGTTTTAAAATATATTAAGGAGGTGGATGAGATTTATCTACAGTCGTACCGA ATCAGTAACGACAAAGAGATTGCCAAATTTATGGCGAAGAAGAAAGTATTGAAATAGACG TTGGGCAAGGCTCGAAATCACTTGCACACGCTCTCGGACGCCCTAACGGGCAGGCTGCGG AATAGACAATATCTTTGTCGTCCTAAACCAAATCGAGCGGCTTGGCAACGGGATCGAAAA CCGCTACCTGCTGATGCGCCGACTGTCCGAAACCATGCACACGGCGGTCAAGCTCAATTT CCGCTACGCAGGCCGTCCGAAATGGTTGGGCTAAAATACCGCGACGGCAAGCCGCTTTCG GATTCGGGTCGTCTGAAAGACAGTTTTTCCACACTGTCAGACAACGATACAGCCCTTGTC GGTACGAATATCGTCTATGCCGCCATCCACAACTTCGGCGGTATGGCGGGGCGCAACCGC ATGGACGATGTGCAGGATTATTTTTCGGGTCTGATACCGTGAATTTATAAAACCCTCAAA AACGCGCTTTTTAGCGCGTTTTTTTATGCGGGTAATACAAACCCCTGCCCAAGATATAAA AATCAATCCTAGACGCTTCTAAAAAGCCCCTGAAAACGATTAATTGTGTATCGCGCGGAC AGGTTTTAAAAAAATGGCGGGAGGGTTTGAAGCACGCCTACTCTTTGTTGTTTTTTCAAA TAGGCAAAATGACCGTATTGAGAGAGGTACACATGTCCAAAAATGCACAAAAAACCCTAC TTGCCGTGTGCAGTTTCGAGGTGCAGCCAAAAGACGGGCGAATCCAACTGCTGCCATATG GCGAATTTCGCGCAGTAGACGGTCGTCCGACTGATGTCCCTGCGTGGTATCTGACCGAAG ATGAACACCAGACGCTCTACAAAGAGAAAAACGGACAACCTGCACCTGCCGCCGGTTGGA CGGCTGCGGCAATTGCCGCAAAAGAGTATCGCTACATCTCTGCTGTTTTTCCTATGACA CAAAGGGATATGTAAGCAAAATTTTCACGCCGCGCTGACAAATTTCCCCGCGTTGGACG GTATGGACGAGGTGCTGGCGGCAGCGTCGGCGCAAATTTTAAAACCGGAAACGGAGCAAA **ACCCTATGAAAGAGTTGTTACAGCAACTGTTCGACCTGCTGATGCGGGCGAAGAAGAAC** TGAAGGCGGCATTGTCCGCGCTCGTGGAAGCCCAAGCCGAAAGACGTGGCATTGTCTGCCG -ACGTGTTCGCGCAGCTGGCGGAAAAAGACAGCCGCATCGCGGCATTGACGGCGCAAACCG CCAAGCCTGATTTGACTAAATACGCGCCTATCTCAGTGGTTCAAGAGCTGCAAAGCAAAG -249-

MO 00/00 /AT

TCGCCGCGCTGACTGCCAAGCAGGAAGCAGACAAAGGCAACGAATTGATTACCGCCGCGC TGACTTCAGGCAAATTGCTGCCTGCTCAGAAGGAGTGGGCAAAAGGCGTATTGAAACAGC CGGGCGGCTTGGCATTTTTGACCGGCTTTATTGAAAACGCCCAGCCGGTCGCTGCACTGG AGGCAGCCGCAGCAAAAATGCTGGGCATGTCCGGCGAAGAATTTGTAAAAATCAAAGAAA GCGAAGGTAAGTAATGGACAAATCAGCGATTTTGACCGCAATCACGGCAGCATTCCGCAA AGAATTTCAAACGGCCTTGGATTCGGATTTCAAGTGCAACACTAAGGTACCAGTGGTTGG **AACAGATTCAAGAATAAAACACTTGGCGTTTCGTAGCCAAGTGTTTTTCTTGGTCGGTGG** TTCAACTCATCTTGAACCCTGCGTATCTCCCGATCACTGATGTTACGGAAATCGGTTTGT TTGGGGAAGTATTGCCGGATGAGTCCGTTGGTGTŤCTCATTCAGCCCTTTCTCCCAAGAA TGGTAAGGACGACAAAATAAGTCTCCGCTTTCAATGCTTTGGTTATTTTGGTGTGTTTGG TAGAACTCTTTGCCGTTATCCATGGTAATGGTGTGCACCCTGTCTTTATGTGCCTTTAAT GCCCTAACAGCTGCCCGGGCAGTGTCTTCGGCTTTGAGGCTATCCAATTTGCAGATGATG GTGTAGCGGGTAACGCGTTCGACCAAGGTCAATAATGCGCTTTTCTGTCCTTTGCCGACA ATGGTGTCGGCTTCCCAATCGCCGATACGGGATTTCTGGTCGACGATAGCGGGTCGGTTT TCTATGCCGACACGGTTGGGTACTTTGCCTCTGGTCCATGTGCTGCCGTAGCGTTTGCGG TAGGGTTTGCTGCATATTCTGAGATGTTGCCACAACGTGCTGCCGTTGCTTTTGTCTTGG CGAAGGTAGCGGTAAATGGTGCTGTGGTGGAGCGTGATCTGGTGGTGTTTTGCACAGGTAG GCGCATACTTGTTCGGGACTGAGTTTGCGGCGGATAAGGGGGTCGATGTGCTGAATCAGC TGCGAATCGAGCTTATAGGGTTGTCGCTTACGCTGTTTGATAGTCCGGCTTTGCCGCTGG GTGCTTTTGTGGCGGTTCAGCTGTTTGGCGATTTCGGTGACGGTGCAGTGGCGGGACAGG GCAGGAAAGGCCGTATGCTACCGCATACTGGCCTTTTTCTGTTAGGGAAAGTTGCACTTC AAATGCGAATCCGCCGCCGTCTGAAACAAGGAGTCATCATGGCAAAAACCAACAACAAAC CAGAAACCGCCGAAACCGCCGCCCCGTCGTTTGAAGACATCAAAGCCGAATTGGACGCCG TGCAGGCAGAGCTTGCCGCCGCCGAAACGATGTCGAAATGCTGACCACAGCCTTGGAAA AAGCCGAAGACGACAAAAAGGCACTGTCCGCCGAACTTGCCGAACTCAAAGTGCAGCATA CGCAACGTGCCGCCGACGCTTTGGCGGACAGCCGCGATGTGATGCTCGTCAGTACCGGCG CAGACGGCAAAGAATTTTGGCGCGGCGGCCTGCTGTTTGACGGCGGCTGGCGCGAAGTGA AGCGCGCCGAAGTCGGCGAAGCGGTGTGGAAGGCAATCTGCGCCGAGCCTATGCTGCAAC GCAAGGCGGTCGAGTAATGGCATACGCGACGGTTGAGGATATGGTTGCGCGTTTCGGTGA GCTGGAAGTCTTGCAGCTCACCGACCGCAACAACGAGGGGCTGATTGACCGCGAGGTCGC ACAAACCGCGCTGGTGGACGCCACTGCCGAAATCGACGCGTATCTGGGGCGGTTCAGACG ACCTTTTGAGGATCTGCCGCCCATCTTGGTGCGCCTTTGCTGCGACATTGCCCGCTACCG TCTGACGGCGGCTCAGGGCGTGTTGATTACCGACGAAATCCGCAACCGCTACAAAATCGA CGTGCTCGACCTGCTGCTATGGCCAAAGGCGAAGTGCAGCTGGGCGTGGATGATAG CGGCGAAGAAGTGGCCGCGGGCGAAGACGGTATTGTGTTTGTAAACGGTAAAAATAAGGT GTTCGGGCGTGATCACTGATATTGAGCAAGCGATAACAGACCGTCTGAAACGGGGCTTGG GTCGCATGGTGCGCACGGTTAAAAGCTACAACGGCGAGGCCGACGATTTGGCGGGGCAAA TCCATACGCTGCCTGCGGTTTGGGTAACGTATGGCGGCAGCAAAGTTGAGCCTGCCAGCA CCGGCGGCGTATGCGGACGTTATCAGGATACCGCCGAATTTGTGGTGATGGTGGCGGCCC GCAATCTGCGCAACGAGCAGGCGCAGCGGCAAGGCGGCATCGACAGCCGCGAAATCGGCA GCAACGATTTAATCCGCGCTGTTCGCCGCCTGCTTGACGGCCAGCGGCTCGGTTTTGCCG ATAGCCGCGGCTTGGTGCCCAAAGCGGTGCGCGCGATTGCCAATCATGTGCTGGTGCAAA ACGCCGCAGTAAGCATATATGCGGTTGAGTATGCCATCCGCTTTAACACCTGCGGGTTGG **AAAATGACCGCTACCCGAACGCACCGACAATCCCGACGACCCAACCATATCTTTACCA** AGTATCAGGGTACATTGAGCGAGCCGTGGCCTGATTTCGAGGGGTTGGACGGCAAAATTT ACGACCCGCAATCCGCCGATGAAATACCTGTAAACCTAACCCTTAAGGATAAGCAATGAG ATATATCGGCCAAGAGCCGGTGGAGGTGGACGGCAACAGCCTGTATTACCGCCGCATGAT TGATGACGGCGATTTGGTGGTGGTTGAGGATGCCGCCCCAAATACCAAAACCCGCAATAC TAAGGGAGAGTAATGATGCCCCATATTGATTTTGACACGATTCCGGGCAGCATCCGCGTG CCCGGGCAGTATATTGAATTTAACACCCGCAATGCCGTACAAGGTTTGCCGCAAAATCCG CAAAAGGTATTGATGGTTGCACCCATGCTGACCGCGGGCATACAGCCCGCCTTAGAGCCG GTGCAACTATTTAGCGATGCCGAGGCGGCCGATTTGTTCGGACAAGGCTCGCTGGCGCAT TTGATGGTGCGCCAAGCATTTGCCAACAACCCTTATTTGGATTTGACCGTTATCGGTATT GCCGACCACAGGGGGGGGGGGGGCAACCGCAACCGTTACCCTTTCCGGCACGGCCACC GCGCCGGGCGTGGTGGAAATCACGATTGGCGGCAAGCAGGTAAGCACGGCCGTTAACACC GGCGAGACCGCCGCCACAGTGGCAGACCGTCTGAAAACCGCCATCACTGCCGCCGATGTA ACCGTTACCGCATCCGCAGCGCCGCAGCCGTTACGCTGACGGCCAAACACAAAGGCGAG ATCGGCAACGAGAGCGGCTTAACCGTGAGCACCGGCAATACCGGCCTAACTTATCAAGCC AATGCCTTTACCGGCGGTGCCAAAAATGCGGACATTGCCACGGCCTTGTCCAAAGTGGCG GGCAAGCATTATCACATTATTTGCAGCCCGTTTAGCGATGACGCCAACGCCAAAGCCTTG AGCAACCATATTACCAACGTATCCAACGCCATCGAGCAGCGCGGCTGTATCGGCGTATTG GGTATGAGTGCGGCCTTGAGCACGGCCACCGCCTACCGGCGAAATCAACGACGGCCGC ATGACCTGTGCTTGGTACAAAGGTGCGGTAGAGCCAAACGGCATCATCGCCGCAGGTTAT GCGGCGTGTTGGCCTTTGAAGAAGACCCTGCCAAGCCGCTGAACACGCTGGAAATCAAA GGGCTGGCCGTTACACCTGATGCGCAATGGCCGCTGTTTGCAGAATGCAACAATGCGCTG TACAACGGCTTGACCCCGCTCACAGTGGTCAACAACCGCGTGCAGATTATGCGTGCCGTA TCCACCTATACCAAGTCGGCCAACAACACCGACGACCCGGCACTACTCGACATTACCACC ATCCGCACGCTGGATTATGTGCGCCGCAGCGTTAAAGAGCGCATTGCCCTGCGTTTTCCG CGCGACAAATTGAGCGACCGCCTGCTGCCCAAGGTTAAGAGCGAGATTTTGGACGTGCTG ATTAAGCTCGACCAAGCCGAAATCATCGAAAACGCCGAGGCCAACAAAGGCAAGCTGGTG GTGGCGCGTGCGCAAAACGACCCCAACCGTGTTAATGCCATTATCCCCGCCGATGTGGTC

AACGGCCTGCACGTCTTTGCCGGGCGCATTGATTTTGATTTTGTAACCCTTTTCAGACGGC GTTTAAAACAGGTTTAAAGGCCGTCTGAAACCTTAAAAAAGGATAAAGCATGAGCGACGC TACCTATGCCGACGCGGTGATTATGGAGATGAACGGCCGCGATATCGAGATTGTGAGCAT CAAGCCGCAAACCACTACAGGCCGCAAGCCGGTCAAAACGATGAACCGCAACGGCCGAGT CAACGGTTATTGTGACGGCGTAACCGAACACAAATTAAGCGTTACCGCCGCCATTCCGAT CGACGGTACGGAAATCGACTGGGACAACATCACCAAGGCGAAAATCACGATTTACCCCAT CAACGACGAAGATCGCCGCACTTCCTACCTCGACTGCTTTACCGTCGATACCGGCGAGCA ATATGAAGTCGATAACGAGGCACGCATCGACATTGAGATGATTGCTTTGCACAAAATCAA GGAGTAATGCGTGATTACCGTCAAACTGACCCACGGGCTGACCTACAATGGCAAAGTCGT ATCTGAATTACGCCTCAAGCCACTGACCGTCGGCGGCGAACTGGCGGCGTTCGCCCTGAT TGATGACTTGCCCGAGCTGCCCGAAAACGCCACAAAAGCCGAACTGCTGCAACGCGACGT CCTAGAGACGCTGACCTACTGGTCGCAGCAGATTGAAGCCCAAGGTATCCCATCCGACAT CCTGACGGCGCAGTGGCTGATGGAAAACCTCTCTACCGAAGACTACCATACCGTGATGGC GGCTCAGGAGGATTTGCGCCTAAAACCGTCCGCCGCTACGGCGAGCCCCGATGCGCCGTC GGCGGCGGAGCAGTAAAACGCAGCTACCTGACGGCACACAAAAGCTACCGTCAGGCGGTC ATCCTGATGGCAAGGCGGGGATAGGGGGGGGCGCACGCGCGATATGTGCCACGCCGAGC GAGTGATTGTGTCGAAACGGCTGAGAAAGCCCGGAGGGAAAATAAAAAGGTCGTCTGAGTT TCAGACGACCTTTTTTTTTTTGACGGTTAGGGTTGTTTTCTGCCGATTATTGCAATGGT GTTTGTTTCTTTTCAAAAACAACGCTATATAAAATACCATCTGCCGGAACGTCTTTTTG CGCTGTTGCTCCTGATTGGATTCTTTGACGACTTCGGTTAAAAGCTGTAAAAAGTTG TTTTCCTGCTTCCGATTCGCCCAATTTGTCTGTGGTAGTTAAAGACAGAACTGCCTGAAT **ACTGTGTAATCCATTTATGGCATTATTGACTAGATTTTGTCCTTTCTCTCCGTCGGTTTT** TAAAATGTAGCCTACTGAGATAGCTCTAATTTTTTGCTGCTCGTCCAGTTTGAGCGCAAT CGCCCCAAAATCCATTACCAAAGTAAGGTCATAACCACAATCGGTCTTGACAATATTTTT TTGTTCAACTGTGATGTCCATTGGGGCGGTACAATCAGCAGCCTGGATACTTTGGACAGG TTCTTCGGCTTGTGCCGTTTTTGATTGTTGGTTGCAGGCTGATAAAACAATTGAAACACA **AATTGCGGAAATCAATTTTTTCATATTCATAAAATATCCCTTTGAATAAAATGGTTATCA** TTCTAGTATTATAACGCAACAAACAAATAAAGCACGAAAACGGGGTTGAAGCCCATACCG CCTCCCTTAAACAGCCTTTAAACGATAATTGACCTTGAGTTAATACGTTTAAAGGCTGCT TTTTATGGCAAACGGGAACATGAAACTGTCGTTGGTGTTAACCGCCCGAGATGACGGAGC GAGACGGCTACTGGCTGATACTCAACGACAATTAGATCGTACCGCGAAATCGCGGGCGCA ACTTGAACGGCAAAGCCATACTTATGCGTTGACCGGCATCCGCTCAGAAAAACAGATTCA ACGCGAAATCATGCTGACACAGGCTGCGTTTAACCGTTTGGCGCGCAGCGCCAAGGCATC ACAAAATGATTTGGCACGGCGGCGGTCGCTACGCGTAACCGAATTCGCGAGCTGAACGC GGAACTGAAACAGGGCACGGGATTTGCGGACAAGATGGGAAAAATCGGAAGATTCGGTGC AGCTGCGGTGGCTGGCGCGCGCAGCGTATACGGTGCTTAAGCCTGCTATGGACAACAG **AAAGCAGCTTGATGAGAACATCAACCGCGTGTCCAGACAGGCATTTATTGAGGATAACAG** TAAATCGGCAGCGTGGATTGCAACTGAAGGTGCGCAACAGATCAAGGATTTGGCACTTGA ACTTGTCGAGAAAAATGGCGGGACCCACGATAAGGCTTTGGATTTAATCAGCGGCATGAT GACCACCGGTCTGAATTTTGCCCAAACCAAGAATGAAGCGCAGGCGGCATATGCTTTTGC ACTTGCCTCAGAAGGCAGTGGCGAGGATACGGCAAAACTGATTAAAACCCTGAAAGATGG CGGCATGAGCGGTAAAGACCTGCAACTCGGGCTTGAGCACGTCTTGCAATCGGGTTTAGA CGGCACTTTCGAGGTGCGGGATATGGTTCGGGAGCTGCCGAGCCTGCTCTCTGCCGCGCA ACAGGCAGGGATGAATGGTGTCGGCGGTTTGGACTACCTGCTCTCACTCTTACAATCTGC GGCGAATAAATCGGGCAGTCCTGCCGAAGCGGCGACTAATGTGCAAAATCTTTTGAGTAA AACTCTGTCGCCTGACACGATAGGTCGTCTGAAGAAGATGGCCAAATCCGAATGACCCGAA GCAGGTGTTGTCCCGTCTTGCCGATGCCATGCTAGTAAAGGATAAGCAATACCAAGATTA TAAGAAACGCGCGGCTGCAGGCGATAAGACGGCGGCGGAGCAGCAAATATGCTTAAGGG AAAAATTGCTAAGAACAACGAGGCGCGAATGTTGTCGGCAGCGCGCAACAAGAGCAACA GGAATCGCTGGCAATGTTGCGGGAAAGTCTGACGGGAACATTGGTGGATATGGAAACCTC GTTTAAAAAGCTGGCAGCGGAATACCCTAATGCCACTCTAGCCCTGCAAGCATTGACGAC GGCGGCAACAGCGGCGTCTGCCGCAATGTTATTAACCGCCGGTGGCGGTAAAGGTGCAGG CTTTCTGAAAGATGTAGGTAGTAAAGCGTTGGGATGGGGTAAGGCTTCCGCAGGCGGCGT GGCAGCAGGTGCCACAGCGGCAGGCGGTAAGTTGCTGTCATGGGGAAAATCTGCCGGTAG CGGGCTCATGAATAATCCAGCGTTAGTTAAACGGGCGGGTTTGTTAGGTATGTTGCTGTA TTCCGAGTCTTTGGGTGACGGCACATTGCCAAAGGGTTTGCGTGGTACCAAGACAACTCC TGAAATGATTAATCGTCTGAAAAACAACGGTATCCGATTTGAACCTGCGCCGAAGCGGGA ACAGGCGCGGGTGTCCCTCAGTATTTGGCTGCTCCGTCAGCGCAGCCTACCGATAA GATGTTGTCTCCGTTGTTTTCAACTCAGACGGCGGCGTATCAGGCAGCCATTCAGCAGCA GACGGCGGCGTATCAGGCAGCATTGGCGCAGGATACGGCTGCAGTTACAACAGGTTTGGC ACAAGTGCAAAGTGCGATGGCGTCGGCAAGTCAGACCATCAATACCAATGTGAGCCTGAA TATCGACGGACGTGTTATCGCGAATGAGGTATCGCGGTATCAAGTGGCCATGTTCGGCCG TGGAGCGGTCAATAATGAGCGGATGGCATACCTTATTGCAGGACGCATCTTACAAGGGC GTCGGCTTTGATATTGAGGTGGTGGACGAGGCAACGGCAAGGCATTGGCCGAGCATGCG CGGCCGTTTGTGCAGGGTATCGACCTTGAAGACATGGGCATGACCGGGCGGCAGGTGCAG ATTAATGCGGTGTTTTGGGGCAAGGGCTATGCAGGCCGTCTGAAAAAGCTGCTGGATGCG CTGGAGCAGCCGGCGGCGGCGTGCTGGTGCACCCTGTTTGGGGGGCGGATGCACAACATG ATTGCGGCATCATGGAGTTACCGACATGAGGCCGATTATGTGGATTATGCGGGCATCGAT ATTACTTTCCGCGAGGCGGCCGAAGCGCAGGAAATCTTTGTTTTTGAAAACGCCTTTTTG GTCGAGCTTGAGGCGTTGATTGCTAATATCGACACCTACCGCGAGGCGGCTATCGGCTTT

GTTGATGCGGTGTTTGGCGGTGGATGCGGGCGTATCAGCTTTATGGGGCAGCGCGCTGGGC ATTGCCTTTCCCGATCGGGGCGGATACAGTGCAGCGGCGTTTAAAAAACGGCTCGGCCAAG CTGTTTGCGGATATATCGGTCATGGTAGATACTGGCATACGCCGTGAGGCGGGTTTGGCC GATAATGCCATGCACCATGCCGGTTGGTCGCCGCGACAGCGGTTTGACGGGGCTGCGGCT GTTGCCGACCGCCGCCGCTATCCCTGATAATTTGCTGACCGGCCGCTTTTCAGACGGC CTGCAAAACCGCCTGAACCGGTTAACCGCCAAACAGGTGCAGCCGGTAGCGCAGGCGGTG CGCCTGTTATCCACGTCATCGCTGTTGTCGGTGGCAACGGCATTAATCGAGGCGCATGGC GAAGAGATGACCGCGCCCGATTTGATTGAGGTTAACCGCGCCATGCGCCGCCGTATGCAG GCCGAGATTGCCGCCTTGCGGGCGGTGCAGACGGCTGCTGCCGAGTCTGGTGGGCTGACG GCCAACGCCGTGTATACCGAGGCTTACCAAACGGCAGAATCCCTGCGCGCGGCGGCAGGC CGTCTGAATGCGTTGGTTGCGGCGGTCATCAACCAAAAGCCGCCGCTGATTGTGCGCCAA GCCCCAATCGACGGTACGATACACCAAATCGCCCACGAGTTTTACGGCGATATAGCCCGC GCAGCAGAGCTGGTGCGGCTCAATCCCCATATCCACCACCCCGCGTTTATCAAGCGCGGC ACTTTGGTCAACAGCTATGCAAAATAATTCATACGGCTATGCCGTGTCGGTGCGCGTGGG CGGTAAAGAGCACCGCCACTGGGAGCGCTACGACATCGACAGCGACTTTTTAATCCCTGC CGACAGCTTCGATTTTGTCATCGGCAGGTTGGGACCGGAGGCGGCCATACCCGATTTAAG CGGAGAGAGCTGCGAGGTAGTGATAGACGGGCAAATCGTGATGACGGGCATCATCGGCAG CCAGCGCCACGGCAAAAGCAAGGGCAGCCGCGAGTTGAGCTTGAGCGGGCGTGATTTGGC CGGTTTTTTGGTGGATTGCTCCGCGCCGCAGCTCAATGTAAAGGGCATGACGGTATTGGA TGCAGCCAAAAAGCTGGCCGCGCGCGCGCGCAGATTAAAGCCGGTGGTGCTTAAGGCCGA **AACCCATATTGCCAACTCGGTCGGGCTGCATCCGTGGCTGGAGCCGGACGGCACGTTGGT** GGTGGGCGGTGCGGATTACAGCAGCCCGCCGGTGGCGACATTGTGTTGGAGCCGCACCGA CAGCCGCTGCAATATCGAGCGCATGGACATTGAGTGGGATACCGACAACCGCTTTTCCGA **GGTTACTTTTTTGGCGCAATCGCACGGCCGCAGCGGCGACAGCGCCAAACACGATTTAAA** GTGGGTGTACAAAGACCCGACGATGACGCTGCACCGCCCTAAAACGGTGGTGGTGCCGA TGCCGACAATTTGGCCGCATTGCAAAAGCAGCTAAAAAGCAGCTGGCCGACTGGCGGCT GGAGGGATTTACACTCACGATAACCGTGGGCGGCCATAAAACCCGCGACGGCGTATTGTG GCAACCTGGCCTGCGTGTGCATGTGATCGACGACGACGCACGGTATCGATGCGGTGTTTTT TCTGATGGGGCGGCGTTTATGCTATCCCGCATGGATGGTACGCAAACCGAGCTGCGGCT CAAAGAGGACGGTATTTGGACACCCGACGCTTACCCCAAAAAGGCCGAGGCGGCGCGCAA GCGCAAAGGCAAACGCAAAGGCGTGAGCCATAAGGGCAAAAAAAGGCGGCAAAAAAACAAGC AAAAATATCGGCGAAACCCTGCGCGCGCCTTTCGGGGAAAAATCACGCTGGTGGTGTCG TCCGAGCCGATACAGCGCGTGCAGTTGAGCGGCTTGGCCGACGAAACCCTGCAAGACCTT GAACATTTGCAGGAATACGGCTTTGCCAGCCATCCGCCCGACGGCAGCGAAGCGGTAGTG CGCATCAAAAACCTTAAGCCCGGCGAGACGGCGATTTTTAATCATGAGGGTGCAAAAATC GTGATTAAGCAAGGCAAAATCATTGAGGCCGATTGCGACGTGTACCGGGTTAACTGCAAA CAATACGAGGTTAATGCGGCCACGGATGCCAAATTTAACGCTCCGTTGGTGGAGACCAGT GCAGTGTTGACGGCGCAAGGCCAAATCAACGGCAACGGCGGCATGGCCGTCGAGGGCGGC GACGGAGCCACCTTTAGCGGCGATGTTAACCAAACGGGCGGCAGCTTTAACACCGACGGC GACGTGGTGGCCGGCAATATATCGTTGCGCCAGCACCCGCATACCGACAGCATCGGCGGC AAAACCTTACCGGCGGAACCGGCATAGACAAGCAGACCTTTGGCAGCCTTCGGGCTGCTT TTTTTGTGCGTGTGGGATTGAAGCCCGTGTACTCCGTGAGGCCGTCTGAAAACGGCAAAA TGCCAACATGGACAAAGAGCTAAACCCCAGCATCGGCGACTATACCGGCCGCACCGTCGA TACGCTGCAAAATGCCGTGTATATCCGCTTGATGACACCGTTGGGCAGCTGGTGGGCGGA TAAAACGCTCGGCTCGCTGCATTTGTTGCAGCGCGAAAAAGACCTGCAACGGGTCAG CCTGTTGGCCGAGCAATATGCCGATGAGGCACTGCAACCGATTGTTAAGAGCGGGCGTGC CGACAAGATTACCGTGCGCGCAGAGCAGCCGCACGACGGCCGCCTGATCCTGCATATCCG GATGGATACGGCGGGGGGGGTTTGATTACCGCCACGAAGTGCCCGTGATTTAAAGAGG TTTTAAACGTGTTTGAAACGCCGACATTTGAGCAAATCCGCGAGCGTATCCTGCGCGATA CCAAAAGCCTGTGGCCGGATGCCGATATCAGCCCCGACAGCGACCATTATGTGCACGCCA GCCGTTTGGCCAGCTGCGCCGAAGGGCAATATGCGCATCAAAGCTGGATTGTGCGGCAGA TTTTCCCTGATACCGCCGACCGCGAGTATTTGGAGCGGCATGCCTCCATGCGCGGCTTGA GCCGCCGCAATCCTACCACGGCCAGCGGCACGCTGACCGTAAGCGGTATTGCGCAATCCA CCGTTATCGGCAGCGGCGCACGGCGGAAATACCGGCAATCGCCGACGAGCCGGGCGCGG CCGCCAATGTGGCGACGGCGAGGCGCAACTGATGGCCGCCCCCCCGCCGGTGTGGCCACCGA ATGCCGCCTTACCGTACAAGGCGGCACCGACCGAGAAAGCGATGCCTCACTGCTGGCGCG TCTGTTGGAAATCATCCGCCGACCGCCGCAGGCGGCAACCGTTACGACTATAAAAACTG GGCGTTGAGTGTTGACGGCGTAACCAGCGCATATGTTTATCCGCTGCGCCGCGGCTTGGG TACGGTGGATATTGCCATTACCTCCGCCGACGGTGTGTCGTCGGAAGAAACTGTGCGCCG CGTACAGGCTTATATCGACGAGATGCGCCCGGTAACGGCAAAAAATGCGCTGGTACTCAA GCCAACCGTAACGGCGGTGCCTGTTACCGTGCAAGTCAAGCTCGACGGTATCGACTTGGA CGAGGCCAAGCGCCGCATACGGACGGCCCTAAAAGAATATTTCGACACCCTGATCCCCGG CGACGGCCTGACTGTCGCAAATCGAGGCTGCTATCAGCAATGTGGATGGTGTGATCGA CCGCCGTCTGACTGCGCCGACGGCCAACCGTGCCGCCGATACGGTTAACCGCATCGAGTG GTTTAAAGCGGGCGCGATTAATGTAACGGAGATGCCGTCATGAGCTATCAAGACATCTTG CGGGGCCTGTTGCCCCCCGTGTCGTATGCCCGCAATGCCCCGCGTGTGCGGGCGCAGGCA GAAATAGACGGCGCAGCGCTGGATGCGGTGGCGGAATCGGCTCAAAGCGTTGCCGATGCC GTCGACCCGCGCAGCCCCGCCAAATGCTGGCCGATTGGGAGCGCGTATTAGGTTTGGAC - GGTACGGGCAAAAACCGCCAGCACCGTGTGTTGGCCGTCATGGCCAAGCTAAACGAAACA GGCGGCTTGAGTATTCCTTATTTTGTGCGTTTGGCCGAGGCGGCGGGCTATCAAATCCAA

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TTGCCAAATTCACCCTGCGCGGCATTCCGCCTATGGCGGCGGGTGCGGCGCGTATCCGCG TAACCTTCCAAATCGATGCGGATGGGCTGCTGTCCGTTTCCGCCCAAGAACAAAGCACCG GCGTACAGGCGCAAATCGAAGTCAAACCCTCCTACGGCTTGGACGACGACACCATCACCC AAATGCTCAAAGACAGCATGAGCAATGCCGCCGAAGATATGGCGGCACGCCCCGTGCCG AAGCCGTAGTCGAAGCCGAAAGCCTGACCGATGCCGTCAACGCCGCCCTCGAGTTGGACA GCGATTTGCTGGATGCCGAAGAATTGCAACAGATTCGGCAAGGCATCGCCGATTTGCAAG GCCGTCTGAAAGACGGAAAAGCCGAAGACATCCGTGCCGCCGCCGCCAAACTCGGCAGCA TCACCGACAATTTCGCCGCCAAACGCATGAACCGCAACATCCAACGCGCGCTGACAGGCC AGAGTGTCGATAATATTTGATACTTAAACGGTTTCAGACGGCATAGAAATAATCCGATGC CGTCTGAAGGCTCGAAAACACTTGAAAAACATCGATATGGAAAAGTCAGGCATTGTCTAT CTGATGAAAACCGTCATCAAGGGCGTGTATAAAATCGGCATTTCGGATGTAAGCAATTTT GAAGGCAGAATGCGCCATTTGGAAAACAACGGTTATGCGAACGTTGCCGGATTGGAACGC ATCCTCGCCGTCAAAACCGACAATTACAAAGAAAAAGAAAACCTGCTCCATGAAATTTTC AGCAAAAGCAGGATAGGCGATACCGAATTGTTCGCCGTGGACGAAAACCTTGTGAAACGT TTGTTTTTATCGCTTCGCGGCGAAATCGTGTTCCCGAAAAACGAAACGGCGGAATCGGAA TTTGAAAAAAGCGTCCACGAACGCAGGCAGGAAGGGAATGCCGGGTCAGGCCGCAAACAA CTGCTTGATTTGGTACGGCGCGGACACCGGGAATACCCTTACGCGCTGCCCCGGCTTTTG GCGGGCGCGCATTCTACAAGCCGAAAAAATCGAAAATCCGCCTTTTTAAAGAAGCATAT TTCGGCAAAAGCGGCACGAGGCTGACCGACGAAATTGCAGACGGCATCCATATTTACACC TGTTTTTCGCGGGCGGATTTGGAAAAAGCCTATTCCGAATATTTGGAACTTTTCAAATCC GAATCGGATGCCGAAGGCAGAAAGCCGCAGTAAGGTGCAAACAGATACCGTACACGTTGA GGAGCAGATATGATGGGCGATTCCGTCATTTATTATGTAGAACAGGCAGACGAACCGGTA AACCGTGCCGACGAACGCGCCCGTAAAACATTCAAATATTTTTGGCGCGAGCTTTTTTGG GAACGCCGCCGCATTATTTCCGCCTTGGATTTTGCCATGGTCAAAGTCCCTTTTTTCCAA CTTTATATTTACGGTGTGCTGAACAATGAACCCGGCGAACTGACCAATGTCGAACAAGGC GAAAGCGTTTGCGTTCCGGTTGACGACATCAGCGACTGGATGTTCGTGTGCAACGGCATC CCCTACGGCGGCTTTACCATACAGGCAATGCGCGGGCAGATGACGGAAGAGGAGCGCACC GAACACGATGCCGCATGGGGAATCGATTTCGGCGATCCCGGGCAGATATTGCTGGTGTAT GAAGAAAAAGAACATCCCGAAAATCTGGAAGAGCATCCGATGTGCCGGAACTGTATTGAC GATTTTCGGCAACAGTTGTCCCAAAACTCGGATTATCTGCGGGAACAGGACGAAGACGGC TATACGCCGCTTCATCATGAAGCCATCGCAGGAAATGCACTTATGGTTCAAGCCATGCTT GAATACGGCGCAAATCCTGCCTCAACGACATCGGAAGGCTATACCGCCCTCGATTTTGCC TGCCTGACGGGCTGGCAAAATGTTGCCGACCTGCTCGAACCGCGACATTAGGCAGACAGT TTTCCGAAAACGAACACACATTTTTACAGAAAGACAATAAAAATGCCCAAAATCACC GTACTTCCACACACGACATTATGCCCCGAGGGTGCAGTCATCGATAACGCACCCGAAGGT AAAACCGTCCTTGACGTGCTCGACCATGATATCGAAGTCGATCACGCCTGCGAAAAA TCCTGCGCCTGCACAACCTGCCACGTGATTATCCGCAAAGGTTTCGACAGCCTAGAAGAG CCGACCGAATTGGAAGAAGACCTGCTCGATCAGGCTTGGGGTTTGGAAGCCGATTCGCGC CTGAGTTGTCAGGCGGTTGTCGCCGGCGAGGATTTGATTGTGGAAATCCCCAAATACACC ATCAACCACGCGCGCAAGAACACTGAAAACAGGCCGTCTGAAGCCGGCACGCTTCAGAC GGCATTGTTGCGCGGATAAGGCGCAATCGCCCGAAAACAGGCGTTCGTACAGGCGGAACT TTCGATTCTATAGTGAATTAACAAAAATCAGGACAAGGCGGCGAGCCGCAGACAGTACAG ATAGTACGGCAAGGCGAGGTAACGCTGTACCGGTTTAAATTTAATTCACTATATATTGAT TTTTATCGGTTTTCTGACGGAATAATCCAGTGCGGCATCCGAGGCGGATTACTCGGACGC GATGCACCGGTATTTATCGGTTTTGCAGCCGGAAAAACCGCCGGCGGGTTATAGTGGATT AAATTTAAACCAGTACAGCGTTGCCTCGCCTTGCCGTACTATCTGTACTGTCTGCGGCTC GCCGCCTTGTCCTGATTTTTGTTAATCCACTATACTTTTAGGGCGACGGTCGGGCAGTAT GCCGGATAGCGTTCCACTCTCGCTTCTATATTGATTTTGATTGGTTTTCTGACGGAATGA CCCGATGCGGCATCCGGGACGGCTTGTGTTTTTTCCTGCCCGCCTGCCGGATTTTCCCAT CCTTGCGTGAAACCGAAAGAGACGGCGGCGGCGGGGACAAGCTCGAGATAGCGTCCTTCA AGCTCCGGACAGGCGGCGGACACGCTTTCTACCGTAACCGTGAAACCGCCGCCCGACCCG GCAAGGCGTTCCGCAATTTGCGTGTAGATGAGCCAACGTTGGGCGCGCAACATTGCCGAA TCGCAACCGGCAGCCGCTTTATCCAAGGCAATCAGGTCGCGCCGGTTTTGGTGGTGAAGG CAAACCGTTACTCTGGAGAGGATATGTTGCCCGTCCAATATTTGATACAGTTTGCGTATC AGCAGAATCAGGCGGTCAAACTCCTCCATCTCCGACAGGGAATCAGGATGGTCGGAAGCG GTATAAACCAGTTTGGACAATTTTGCGGCAAACATATTGTTCATCAATCTTCCTTGTCGG AGATCAGGACGACACATAGGCTGGTGCTTGATGTGTTGTCCGGCGAGTTGAAACATTCAG CAATCCTCAAGGGGCGGCAGTTTTGCCGAAACATATTCTACACGGCTTCAATGCCGGACG ATAAAAGGAAATTCATATGAAATGGACCGACACCCAGCGCATCGCCGAAGAACTCTATGA CCTGCACGGCGAAACCATCGATCCCAGAACCGTGCGCTTTACCCAACTGCGCGACCTGAT TATGGCATTGCCCGAATTTGACGACGACCCCGCCCGTTGCGGCGAACGCATCCTCGAAGC CGTGCAGCAGGCATGGATAGACGAGGCGGAATAAGTTTCGGGAATGCCGTCTGAAATGCG GCGGTACGCGGTTCGTGCTTCTGTTTGCAGCGGGAATGGTTTTACCAGTCTCCTTTTTTC AGCCTGTCCAGTTGGCGGCGGTCGCGCTTGGTCGGTCTGCCGTCGGGATAGGCGGAAGTG **ATGCGGCTGAATTGGTCGAGCTGTTTGCGCTCTTCCCTCAATGTTGCCGTTTTCGCGTCC** TCTTCATACAGAAGCCGCGCCTCGGATGCCGGGCGCGTTGGTGGTTCAAACCTTTAACC TTGATTTTATAGGGAAGGGAATTGAGCGTCAGGTCGATAATATCGCCGATGTCTATGGTT TTACTGTTTTTGACCTTCGAGCCGTTTACTTGAACCCTACCCAGTTCGATGTGCTTTTGC GCAAGGGAACGGGTCTTGAAAAAACGTGCCGCCCAAAGCCATTTGTCCAGCCGCATGGCG GAAGAATCGTGCTTGTCTTTCATACGATTTTGTTTGAAATAATTGAATTTGTTTCGAGTT TAGCATAAGATACGCCGCCTTATAACTAGTATATGCACTAATCCACTGTTTTCCATGC TGTCCGAACACAAAAAGAGGGTATGGAAAAGCCGTTTTGGACAATAAATTAACTGCGGAA TATGCACAAATAGCGTATGATAGCGGCAGAATCTGTTGATGAGAGCTTCATTCTATGAAA

CCTGTTTTTTTGGATTTTGAACAACCCATAGCCGAACTGACCAACAAATCGATGAGCTG CGTTTCGTCCAAGACGAGTCTGCCGTCGATATTTCGGACGAAATACACCGTTTGCAGAAA AAAAGCAACGACCTGACCAAATCGATTTTCAGCAAACTCACCCCGCCCAAATTTCACAG GTTTCCCGGCATCCGCAGCGTCCCTATACTTTGGATTACATTGAGGCACTGTTTACCGAT TTTGAAGAACTGCACGGCGACCGCCACTTTGCCGACGATTATGCGATTGTCGGCGGATTG GCGCGTTTCAACGGACAAAGCGTGATGGTCGTCGGGCATCAGAAAGGGCGCGACACCAAA GAAAAAATCCGCCGCAACTTCGGTATGCCCCGTCCTGAAGGCTACCGCAAAGCCCTGCGC CTGATGAAGACGCCAGAAAAATTCGGCTTGCCCGTAATGACCTTTATCGATACGCCGGGC GCGTATCCCGGCATCGGCGGGAAGAACGCGGGCAGTCGGAAGCCATCGGCAAAAACCTG TACGAACTGACGCGCCTGCGCGTTCCTGTTTTGTGTACCGTCATCGGCGAAGGCGGTTCA GGCGGTGCGTTGGCGGTCGCCCTAGGCGATTACGTCAATATGCTGCAATACTCGACCTAT TCTGTTATCTCCCCCGAAGGCTGCGCGTCTATTTTGTGGAAAACCGCCGAAAAGGCGGCG GATGCGGCTCAGGCTTTGGGCATTACTGCTGACCGCCTGCAAAAGCTGGACTTGGTCGAT ACCGTCATCAAAGAACCATTGGGCGGCGCGCGCATCGGGATTTCGGGCAAACCATGAAAAAC GTAAAAGCCGTTTTGGAAAAACAACTGCACGAAGCGCAAAGCATCCCGCTTGCCGATTTG CTTTCGCGCCGTTTCGACCGCATTATGGCTTACGGCAAATTTTCGGAACAATAATTCAGG TAGAACAAGCAGCAGCAGTTTGTCTGAAACTGCTTGCTTTTTCTTTATCGGGACGGAAC CGTGCTGACTTTAGATGCGTTTGAGCAATGCTTGAAGGATTGTTTTCCTCAAGGTCTGAA TGGAAAAAAACAGCGGTGGCATTAAGCGGCGGCTTGGATTCCGTCGTTTTGCTGCATCT GCTTGTCCGCGCGGAAAAAAGGGCGGTTTTATTCCGGATGCATTGCATATCCATCACGG CTTGAGTCCCCGTGCCGACGATTGGGCAGATTTCTGCCAAAACTATTGCGATATGCTCGG GGTGGGGCTGGAAACGGTTAAGGTCTGCGTGGAAAAAAACGGTTTGGGCATCGAGGCGGC GGCAAGGCAAAAGCGTTATGCCGCGTTTGCCGAAAAAGGCTTTGACGTTTTGGCGTTGGC GCGCGCTTTGGCGGCTATGCCCGCCGTCCGCCCTTTTGGGGAAAAAGGCATCATCTGGCG GCCCTTGCTGCCTTTTTCACGCCAAGATATATGGGATTATGCCCAAAAACACGGTTTGCC GAATATCGAGGATGAAAGCAATACCGATACGGCTTATTTGCGAAACCGCTTCCGGCACCG TATTTTGCCCGAACTTTCGGCGCAGATTCCCCATTTCGGGCGCCATGTGCTGAACAATGT CCGCGCTTTGCAGGAAGATTTGGCTTTGTTGGACGAGGTCGTCGTTCAGGACTGCCGTTG GGTTTGCGGGGCCGGTTATTTCGATACGGCGCGGTGGCTGACGTTTTCCCCGCGCCGCAA AACCCATATTTTGCGGCATTTTCTGAAGGAAAACGGCATTCCCGTGCCGAATCAGAATGC CCTTGCCGACATTGCCCGGGTTTTGACGGAGGCAAAAACCGGACGTTGGAACTTGCAAGG CTTTGAATTGCATCATTATGCAGGCAGGCTGTTTGTGTTCCGACTGGAAAAAACGGATAA ACTGCGGTTTTTGAAAGACAGGCAGATAAGCGGAAATTTAAGGGAAATATTGACGGGGCA GGGATTTGTGTTGAAGCGGCATCCGTTTGGGCTTCCTGAGCATCTTTTGGAGCAGGACGG AATTTTGAGGACGGTAGCGGCATCGGATACGTTGGCCATGGGCGGCATCCATAAGGATGT GAAAAAAATCCTTCAGGGGAAACGGGTTTTGCCTGTCCTGCGCCCAATTTGGCCGCTTGT TGCCGACAGCGGAAACCGTCCATTGGCGTTGGCAAACTGTTGTGCGGATTTCCAATACTC GGTTTCAGACGGCATTTTGCCCGTCCATCCTGACTTTCCCATTTTATTTTGATAATATCG CAAACAGATTTCGGCGGCGTTCAGTCGGGTATTGTCCGGTTGCATATTTCTAAAAGGCTT GTGAAGTGAAACACATCAGTTCGACCAATAATGAACACATCAGACACCTGCACCGCCTGT TGTCGCAAGGAAAGTTCAGACGGCAATACGCCCAAACCGTTTTGGAGGGCGTGCACCTGC TTCAGGTTTTCCTGCAATCCGGCGGGATGCCGGTCGGGGTATATATTCCCGAAGCGAAAA TGCCGTCTGAAGAAGTCCGTAAATTGACGGCGGTTTTTGCCGGAAGACGGGTTTTTTTCCG TTTCAGACGGCATATTGAAGAAAATCAGCAGCCTGACTTGTGCGGATGATGTGCTTGCGC TGATTGATATTCCAGATGCGGGTGCTTTGCCGGCCGGCGGCGATTGCGTGGTTTTGGACG GCGTGCAAGACCCGGGCAATGTCGGCACGGTGTTGCGAAGCGCGGCGGCGGCGGCAATCG GCGCGGTCATTTTGGGCAAAGGTTGTGCGGACGCGTGGTCGCCCAAAGTGCTGCGAGCCG GAATGGGCGCGCATTTCTTGTCGGAGATTTATCCGCAGGCGGATTTGGAAATATGGTTGG TGCGCTATAAAGGCCGTGTGTTTGCCACCGCCTTGCGCGAGGAAAAGCAGGCGGTTTTGT ACGGCGAAGATTTGTGCGAACCGACAGCCTGGGTGTTTTGGCAACGAAGGCGCGGGGGTCG GTAAAGCAGTTTTAGATAGGGCGGACAAGTGTGTCAGGATACCGATGCACGATGCAACCG AGTCTTTAAATGTCGCGATGGCGGCGACAATCTGCCTGTTTGAACAAATGCGCCAACGGG CGGCGTATTGAGGAAGAGAAATGCCGTCTGAAAAAATCTATTACGGCGTATTGATTTTCT TATGTATCGCTTCTATGCTGCTGTCGCCGTTTTTTTATGCGGGTGCTTTGAAGCCCAAGA AGGCGGCATTGCGGAAGGACGGCCAGTGGAAACTCATCTGATTGTCCAATGCCGTGGCGG CGGCGGTTTTGGCTTGGGTGGTGGAAATGGTTTTGACAGATATTGCTCAAAATCGTGC TAATGGAATCCGAACAAATAAAGAATTTGGTAAAAAATTTGTTAAATCAACGAATTAAAG TTTTGTGGAAAACAAAACAGCTCTAAGCAAATAGGGCGTTTGTCGGTAAATACGGAAGAG TTGCGGCATTATCGGGCATCTTTAACAAGTAGTGCCGTCTTGACAGGCAATCGGTTTTTA TGGGCAGCTTGCAAAATCGCGGATATAAAATTGCGAATCGGTTAAAGTGTGGGGACGCTA TGAAAAATTGCGAATTTTTTATGACCCGACAAGGGCAATCTATGATAGCGGTGCAGATTA CTTAACTAGGGAAAAACATAGATTAGTCGTAATTGCAAATAGTGCTTGGGGGGCTATTGCT TAATTTATCTTGTTATTATGACGAGGTTTTGGAAAAGCGGAAAATACCGTTCGGCAAACA GGAAATTGATGACGATATGGACAAAGTGTCCGCCCTTAAGCGGAAGTTTAAAGATATTTC TGAAATCAAAGTAGGGGATGGTTGGGAATACCCGTTCAATTATGAGCAGGGAATGAAAGA ATTAGATGAAGTGCTATTGAAATACATTCCCTTTTTTGAAGAAGAACGATAAAGGAGGTT GATATGCGCGTATCTAAAATAATTGGAAGTATGTTGCTTGTTACAGCGGTTCAGACCGTA TTTTCGGCAAATGTTTACGCGTGCCGCCATAATGGTAAAACCAGTTACAGCCAAACTCCG GGAAAACATTGTACCAACGCGGGTTTGGGGCGGGACCGGGTGTACAGTTCGGTTAGACCG GCAGTAAAAGACAGGGCGGAAGACGCAGGGGTCGGCGATTATTCGGACACGGTGAGGGAC GAACACGTCCAAAATCCGAAAGGAAATGCACAGAAAGACGGTTCGGCTGCCGGCATCAAG CCGCACTGATTGAAGCCGAATCAGCCCTTGCGCTGTCGGACGGCAAAATTTGAACGATTG TGCCGCCATTGCCAAAGAAGCGGGGTTTGAAGTCAGCGGTTGCGACGCGAAGATGTATCC

GCCGATGAGCACCCAGCTCGAAGCCTTGGGTATAGACGTGTATGAAGGCTTCGATGCCGC TCAGTTGGACGAATTTAAAGCCGACGTTTACGTTATCGGCAATGTCGCCAAGCGCGGGAT GGATGTGGTTGAAGCGATTTTGAACCTCGGCCTGCCTTATATTTCCGGCCCGCAATGGCT GTCGGAAAACGTGCTGCACCATCATTGGGTACTCGGTGTGGCGGGGACGCACGGCAAAAC GACCACCGCCTCCATGCTCGCATGGGTCTTGGAATATGCCGGCCTCGCGCCCGGGCTTCCT AGACCCGAACAGCCAATCGCCGTTTTTCGTCATCGAAGCCGACGAATACGACACCGCCTT TTTCGACAAACGTTCTAAATTCGTGCATTACCGTCCGCGTACCGCCGTGTTGAACAATCT GGAATTCGACCACGCCGACATCTTTGCCGACTTGGGCGCGATACAGACCCAGTTCCACTA GCAAGATACTTTGGACAAAGGCTGCTGGACGCCGGTGGAAAAATTCGGCACGGAACACGG CTGGCAGGCCGAAGCCAATGCCGACGGCTCGTTCGACGTGTTGCTCGACGGCAAAAC CGCCGGACGCGTCAAATGGGATTTGATGGGCAGGCACAACCGCATGAACGCGCTCGCCGT CATTGCCGCCGCGCGTCATGTCGGTGTCGATATTCAGACCGCCTGCGAAGCCTTGGGCGC GTTTAAAAACGTCAAACGCCGGATGGAAATCAAAGGCACGGCAAACGGCATCACCGTTTA CGACGACTTCGCCCACCACCCGACCGCCATCGAAACCACGATTCAAGGTTTGCGCCAACG CGTCGGCGCGCGCGCATCCTCGCCGTCCTCGAACCGCGTTCCAACACGATGAAGCTGGG CACGATGAAGTCCGCCCTGCCTGTAAGCCTCAAAGAAGCCGACCAAGTGTTCTGCTACGC CGGCGGCGTGGACTGGGACGTCGCCGAAGCCCTCGCGCCTTTGGGCGGCAGGCTGAACGT CGGCAAAGACTTCGATGCCTTCGTTGCCGAAATCGTGAAAAACGCCGAAGTAGGCGACCA TATTTTGGTGATGAGCAACGGCGGTTTCGGCGGAATACACGGAAAGCTGCTGGAAGCTTT GAGATAGCCCGGGCGATGCCGTCTGAAAGCCCTTCAGACGGCATCGCCCGGCTGCGCGGC ACAAAGGCGGAAAAACCGTTTGCCCCGTATTTTCAAACGCGTTACACTTGCCGCCGCTGT TTTCAGCCATTTGATTACCCGCAACCGCCGTCATTGCGCCGGCGGTTTGCCTGTCAGCGT CATTGCGCCGCTGTAAATACGAAAGAACACATTATGACCGTATCCCCCGTCGCCTTGCGC CGTAAGACCGAGTGCAAGCCTCATCCCACCGCGCGCTATTGGAAAAAATGCGATGTCGAA GCCCTGTTCGGACTTCCCTCGACCTCATTTACCAAGCCGCCGAAATCCACCGCCAA AATTTCAACCCGCGCGAAATCCAGCTTTCCACGCTGTTGTCCATCAAAACCGGCGGTTGT CCCGAAGACTGCGCCTATTGTCCGCAATCGGCGCACCACAATACCAATCTGGGCAAAGAG CAGATGATGGATGTAAATCGTCGAAAAAGCCAAAATCGCCAAATCGCGCGGCGCA AGCCGGTTTTGTATGGGCGCGGCGTGGCGCGCCCTAAACCCCAAAGACGTGGAGACGGTT TCCGCAATCATCAAAGCCGTCAAGGGCTTGGGTATGGAAACCTGCGGCACGTTCGGTATG CTCGAAGAAGGTATGGCGGAAGACTTGAAAGAGGCGGGCTTGGATTATTACAACCACAAC CTCGACACCGACCCCGACCGCTACAACGACATCATCCACACCCGCCAACACGAAGACCGA ATGGACACCTTGGGCAAAGTCCGCAACGCCGGTTTGAAAGTCTGCTGCGGCGGCATCGTC GGGATGAACGAAACCCGCGCCGAACGTGCCGGGCTGATTGCCAGTCTCGCCAATCTCGAC CCGCAGCCCGAAAGCGTGCCGATTAACCGGTTGGTCAAAGTGGAAGGCACGCCGCTTGCC GATGCCGAAGATTTGGACTGGACGGAATTTGTCCGCACCATCGCCGTGGCGCGGATTACG ATGCCGCAAAGTTATGTCCGGCTGTCGGCAGGGCGCAGCAATATGCCTGAAGCAATGCAG GCGATGTGCTTTATGGCGGGCGCGAACTCGATTTTTTACGGCGACAAGCTGCTGACCACG GGCAATCCTGATGAGGACGGCGACAGAATCCTGATGGAAAAGCTCAACCTGTATCCCTTG CAGTTTGAACCGGAAGGCGAGGTCGCCGAAGTGGAAAAAGCCTCTGGGATTAAAGTGGAT TATTGACGATTGAAAATGCCGTCTGAAACCCGGAAAAAGGCTTTCAGACGGCATTTGTC CGGACGGCATTTCCAATATCTTTTTACCGGCGCGTGATGCTGCCGTCGGGCGAGACATCC TTCTCGGGGTCGATTTTGGGGATTTTATCGCCGACTTGAGTGATGGGGATAATGTTGCCG GAAACGAACCGCCCTGTTTGTCGGTGATAATTTTAAAAATGGGGGCGATGCCGCTGATG ${\tt CCGGAGGTGTTGATTGCGCCGTAGGTGGCAAAGTTGCCGCCGCTGTAGGAGATGAAGCGG}$ TCGCGGTAAAGTTCGACGGCGCGAGTAACGTGCGGCCCCTGCCCGAATACGACATCCGCG CCGGAATCGACGCCAAGCCGCGCAAACTCAACGACGTTGCCCCTGTTTTCCCCATAGAAG ATTTCGGTATCGAACGGCAGGTGTTCCGCCTGTTTCCCTTCCGCGCCGCCGTGGAACATC ACAATGACGATGTCGGCTTTCTGTTTGGTTATTGGTAATCCGTTTTCTAACTTTGGCATAA TCGTTCAGTTTGACGGCGCAAGGTTGGGGGCGAAGGAGACGAAGCCGGATCTTACGCCG TTTTTCTTCAGGATGGCGGTTTCAAACCTGTTTTCGATGCCCGAATATTTGATGTTCAAT TCGTCAAGGTTCGCCCTTTATGCCGTTTCCGCACCGCAAACCGCCGGGGTCAAGCCCTCG GCGCATCCTGCCGGAACGGAATCCCCGTGCTGCCGATTGACGGTTCAAACCCCGCGCCCG TTTCAAATACCGGCGATGTGGACGGACAGGATGCGCCTGACGAAAAGACAGCCGATACCG TTTCCATTATCGGCGTGGGCGACATTATGCTCGGCAGCAATTATCCGGTCGATTACCTGC CCGATACCAATATTCTGAAAAACGTCGAATCTGCCTTGCAAGACGCGGACATTACCGTCG GCAACCTCGAAGGCACGCTGTTTGACGAAGGCGGTACGCCGAAAAAATGTGCAAACCCCC AAAATATGCTATGCATTCCGAACGCCCTCCGCATACGGGCAATACCTTGCCGACGCGGGA TTCGACTACCTCAGCTTCGCCAACAACCACCACGACTTCGGCGCGCAAGGCATCACG GCAACGGCGGCGAGCGCAGCTCTTTTACATACTCGATCGCGCTAAAGCCGCTGCCGATA ACGAGGCCAAAATTGCGGAAAATACCGCCATCGCCCAGATAAATTTGTCCATCATCAGAC CTTTACTGTTCAGACGAGACAGCATTTGCCGCACGTTTTGGGGGCTTATCTTTCGATTTGC GCTACGTCGCGCACCGCGCCTTTGTCGGCGGAAGTCGCCCATCGCGCCGTAAGCTCTTAAT GCGGCGGAGACGTAGCGGTCGCGGTTTTTAGGCTTCCATGCTTTGCTGCCGCGCGCTTCC ATTTCGGCACGGCGTGCGGCAAGCTCTTCATCGGAAATGGCAAGGTGGATGCTGCGGTTG GGGATGTCGATTTCGACGGTATCGCCTTCGTGTACCAAACCGATCGCGCCACCTTCCGCC GTTAAGAGAGCGCAGGCTTTGCCGAGGCCTTTAGATTTCAGGTAGGAAGTCGGATACAGC ATTTCCTGCATGCCCGGGCCGCCTTTCGGGCCTTCGTAGCGGATGATGACGATGTCGCCA GCGACGATTTGGTTGCCCAAAATGCCTTCTACTGCGTCTTCTTGGCTTTCAAACACGCGG GCGCGGCCGGTGAATTTGAGGATGCTCTCGTCCACGCCTGCGGTTTTTACCACGCAGCCG CGCTCGGCGATGTTGCCGAACAAGACCGCCAAACCGCCGTCTTGCGAGTAGGCGTGTGCC

ACGTCGCGGATACAGCCTTTTTCGCGGTCGAGGTCGAGGGTTTTCCACATACGGTTTTGC GAGAACGCTTGGGTGGTGCGTACGCCGCCCGGCGCGCTTTGAAGCGTTCGATGGCACGG GTGTTTTCGGGATTGGTCACGTCCCATTGTTCAATCGCGTCTTTCAGCGTCGGCGCGTGG ATGGTGTGCACGTCGGTGTGCAGTTTGCCCGCTTTGTCCAGTTCTTTCAGGATGGCGAAG ATACCGCCGGCGCATGCACGTCTTCCATATAGTAGTCGTGGTTGTTGGGTGCGGTTTTG CAGATGCAGGGCACGACGGCTTAAGCGGTCGATGTCTGCCATTTTGAAATCGACACCG GCTTCGTTGGCAACGGCCAACAGGTGCAAAATGGTATTGGTGCTGCCGCCCATCGCAATA TCCATCGTCATAGCGTTTTCAAACGCTTTTTTGGTGGCAATGCTGCGCGGTAACACGGTT AACAATTCTTTGCGGCCGGCGTGGGTCGCCAAATACGAACCGTTGCCGGGCAGGGAAAGG CCGAGTGCTTCGGTCAGGCAGTTCATCGAGTTTGCCGTAAACATACCCGAACACGAGCCG CAGGTCGGGCAGGCGTTTTGTTCGACTTCCTCGACTTGCCGGTTGCTGACATTGTCGTCC GCCGATTCAATCATCGCGTCAATCAAGTCCAAACGGCGTTCGGGCTGGATGTTTGCCACG CCGATAACCTTGCCCGCTTCCATCGGGCCGCCGGAGACGAAGATGGTGGGGATGTTCAGG CGCATCGCGGCAATCAGCATGCCCGGGGTGATTTTGTCGCAGTTGGAAATGCACACCAGC GCGTCGGCGCAGTGGGCGTTGACCATATATTCGATAGAGTCGGCAATCAAATCGCGGCTG GGCAGGGAGTACAGCATGCCGCTGTGTCCCATAGCGATGCCGTCGTCGATGGCGATGGTG TTGAATTCTTTGGCGATTGCGCCGGCTTTTTCGATTTCGCGGGCAACCAGCTGGCCCATA TTGTGCAGGTGGACATGGCCGGGCACGAATTGGGTGAAGGAGTTGGCAACGGCGATGATG ATATTGCGGCCGTGGGTGGAGGTTTTGGAGCGGTATTCAGGCATAGTGTGTTTCCTTGTG CCTATACCGTCTGAAAGACAGGGCTGTTTCAGACGGTATCGGGTACGGTTTTTTAGAGTG GGAAAAGAGGGTATTTTATACCAAGTATCGGAATTTTGCGGGATTGAAACGGCGTGCGGC AAAAAAGAAAATCCCCGCAGGAATGCGGGGACGGGTTCAGGCGCGGGCAATCGCGACGGC TTTGGATGCGTCCCAAAAATCAACGGGTGCATTTAATACGGGTTTGACGATGCCCGTCCG TATGGCGAAATCGCCGAAACCTTCGCCGATATTGCGTTCTGCCGCCCATTTGCCGATCAG GTCGTCCAATTCGGCAAGGATTTCGGGCAGGGTGATGTTTTCTTTGTAAAGACGGGGGAT GCGTACGCCTTCACGGTCGCCGCCGATATGGAGGTTGTAGCGTCCGACGGCTTTGCCGAC CAGTCCGATTTCCGCCAACATCGCCCGTCCGCAGCCGTTCGGGCAGCCGGTAATGCGGGT AACGATGTAGTCGTCCGACGTGCCGTGTTTCGCCATAATCTTATCCAGCTCGCCGATGAA GTCCGGCAGCACGCGTTCGGCTTCCGCCATTGCCAGCGGGCAGGTCGGAAAGGAAACGCA GGACATCGCATTTTCACGCAGCTTGCTGACATCGTTGCGGATTAATCCGTATGTTCGGGC AAATTCTTCGATTTTTGCTTTGTCTGCTTCGGCGACATTTGCCACGATGAGGTTTTGGTT GGCGGTGATGCGGAAATCGCCTTTGTGGATTTTGGCGATTTCCAACACGCCGGTCAGAAG CTGTTTCCCGCCTTCGTCAACCAAACGCCCGCTTTCGATGAAAAGGGTTAAATGCCAGTT GCCGTCTATGCCTTTCACCCAGCCGATGCGGTCGCCGCGCCCGGTAAATTTGAACGGGCG TACGGGTTCGAACGGCATACCCATACGGCGTTCAACTTCCGCGCGGAAGTTGTCCAAGCC CATATTTTGAATGGTGTAGCGGGTGCGGGCGTTTTTGCGGTCGCTGCGGTTGCCGAAGTC GCGCTGCGTGGTTACCACCGCTTCGGCGGCCTTCAGCGCGTGTTCCGGAGGCACGAAACC CAGTTCCAGTGAAATGTTCGGATAGGTTTTGGTGTTGCCGTGTTCCATCGAAAGCCCGCC GCCTGCCAAAACATTGAAGCCGGCAAGCTGTCCGTTACCGTCTGAAACGGCGACGAAATC CAAATCGTTGCCGTAGCAGTCCACATCGTTCAAGGGCGGGATGACGACTGCGGTTTTGAA GTGTTCGGAAATCTTTTTCGCGTATTCGTAAGCCTGCCGGTGCAGTTCGGACTCGATCGG GTTGGACGTGCAAAGCACGTTGCGGTTCATATCCGCCGCCGTGGCGATGGAATCCAAACC CAGTTTGTGCAAGAGGCGGTGCATCGTCTGCAACTTGGCTTTCGGCACGCCGTGAAATTG GAAGGTTTGCCGGTTGGTCAGCCGGATGGAGCGGTAATGACTGTTTTCCCGGGCAAATTT CATAAATTTCAAGGGCTCGAGTTTTGCCTCGGCGCGTTCGGCGCGGATGTCGCGGTCGTC CTGCTCATACATACCGTGGAAGCGGATGAGTTGGAAGTTGTCGCCTTTGAAGCCGCCCGT GAGCGGGTCTTTCAAATCGTCCAAAATCGTGCCGCGTAAAAAATTGCTTTCGGTTTTCAG ACGTTCGTTGTCGGATAGCGGTTTTTCTTGCCACGCCAAACCTTTTGTCTTGGTCTGTAC GGTCATTTTGTGTTCCTCCCGATTATATTTAATCAATAAACATCACGCTGATAGCGTTTT TCTTCGCGCAGCATATCCAAATATTCTTCTGCGCCCTCTTCGTCCAAATGTCCTGCCCCG ATAATCACATCCAGCAAGGCGGCTTCCACGTCTTTTTGCCATTTTTTGCCGCATCGCCGCAC ACATAGATATGCGCGCCTTCCTGCAGCCATTGCCAAAGTCCTTCCGCCTGTTCGCGGATT TTGTCCTGCACATAGATTTTTTCTTCCTGATCGCGGGACCAGGCGAAATCGTACCTGTGC AGGAAGCCGTCTTTGGCAAACTGCTGCCATTCGGTTTGATAGAGAAAATCACGGGCAAAA TGCGGATTGCCGAAAATCAGCCAGTTTTTGCCTTCCGCATTTTCTGCGGCACGTTGTTGG ACGARAGCGCGGAACGGTGCGGACGCCGGTGCCCGAGCCGATCATCACAATCGGCTTGCGG CTGTCTTCGGGCAGCCTGAAGCCGTCGTTGCGTTCCACAAACACGCGCACCGTGCCGTCC TCTTCCAGCCGGTCGGCAAGGAAACCCGATGCGCCGCCCGTTCTGGCGCGCCCTTCGTGT TCAAAACGAACCACGCCGACAGTTAAATGCACTTCATCGCCCACTTCCGCCTGTGCTGAA GAAATCGAATACAAACGGGGTGCAAGCGGACGCAGTAAACGGATGAATTGTTCTGCCGTC AGGCTTGCCGGGAAGCGGTGCAGCACATCGACAATAGGCGTGTTTTGCACGAAATCCTGC AAAACGGCGTTATCGGCAATGATTTTATCGAGTTCTTCATAATGGGCGAACGCGGCATAG ACCGGCATCATCTTTCCGCCCGCCTGTATTTCCGTTGCCGGATCGATGCCGAGCAGGTCT AGGATTTCCCTGACCAGTGCCGGATCGTTGTCAAACCAAACGCCGAGCGCGTCGCCCGGG AGGTAGTGCAAATCCGAACCGCTCAAATCGATTTCGATGTGGCGCACGTCTTTATCGGAT TGGCGGGCGGTGATTTTCTGATTGGCCAGCAGGGCGGCGGGAAAGGGGGCTGCCTTGCAG - GCCCGGTTTTTTGCGGCTTGTTCTTTTAAGAGTGCGGCGATATTATCTGTCCAGGCGTTT GCGGAGGCGGTAAAGTCCAAATCCGCATCAACGCGTTCGAGCAGCCGTTTTGCGCCCAAT

TCTTCAAAACGCCGGTCGAAATCTTTACCTGCCTGACAGAAATTCGGATAGGAACTGTCG CCCAAACCCAGTACGGCAAATTGGAGTTTGTCCAATTTCGGGGCTTTTTTGCCGTTCAGC AGTTTGTGCAGCACGACGCTTCTTTCGGCGGTTCGCCTTCGCCTTGGGTGGAGGTAACC AGCAGCAGGCGCGTTCGCCGGCGATGTTTTTCGCCTTATAGTCTTTCAGTTCGGCGCGA CTGACTTGGATGCCGGCGCTTCCAGGCTGTCCGCCGCTTTGTCGGCAACGGATTTCGCA TTGCCGGTTTGCGAGGCGGAAAGGACGGTTACGGAAAAAGGTTCTGCCGCCGGCAATGCC GTCTGAAGCGCGGGCAGTCCTGCAGATGCCCCGTTTCCTGCTTTTGCCCAAGCGTAGCCG GACAGCCACGCCCATTGTGCCGCGTCCAGCCCCGACAGGAGCTGCGTGATTTCGGGCGGC AGAGGCGGTAATGGCGGATTTGTGTTCTGCATATCGTGTTCACTCATAAAATCATACCTG CCGCAACAGTGCCGTATGTCGCTTCGTCTATCAGGATAAACGAACCGGCGGCGGTGTTTT CCGCATAAGGCGTTGCCGTAACGGGTTTTTGAAGGTTGATGCGGACTTTGGCGATGTCGT TCATCTTCAAGGATTCCGCGCCGGCCTCTTGTTCCAGCGTGCGGACATCCAAAACGCTTT CAATTTCCCCGACTTTTGCCGGCACGGTTTGCGTGCCTTGAGCAGGTATTTGCGCG CGGTGTTGAGCGGACGTTCGTCAAACCAGCAAAGCGTGGCTTCCAGATGTTTTTGCGGGG CGAGCGGGGAATTTTTATCGACAAAAAGGTCGCCGCGCGAAACATCGATGTCGCGGTCCA GCCGGAGGGTTGCCGCCTCGCCGGCAAAAGCCTGCGCCACTTCCCCTTTCGGCGTGATGA TTTCGGACACTTCGGCGGTCAGCCCGTTCGGTTCGATGCGGACGGTTTGCCCGACGGCGA CCGAACCGCGTTCGATGCGCCCTGATAGCCTCGGAAATCATCGGCCTTGTCGGCATCTT GGCGGACGACCAGTTGCACGGGGAAATAAAAATCGTCGGCGGTGCGGCTGACTTCGTCCG CCCCGGCAGGGTTTCCAAAATGGACAATAAGGGTTCGCCTTTATACCAAGGCATATTGC CGCCGGGGTAAACAATGTTGTCGCCCAAGAGTGCGGACATCGGTACGAAATGCGCGTCTT TCAAACCGAGCTGTTCGGCAAGTCGGCGGTATGCCTCCACAATGGCGTTGAATTTGTCTT CGCTGTAATCCAGCAGGTCCATTTTGTTGACCGCCACCACAATATGCGGGCAGTTGAGTT GGCGGAGGATGGCGGATGGCGTTTGGTCTGCGGCAGAAGCTGCAAGGGCTGCGCGCCGA AATCCAGTTGGGATGCGTCAACCAGCACGACTGCCGCCGAAGCGGTGCTTGCGCCCGTAA CCATATTGCGCGTGTATTGTTCGTGCCCCGGCGTGTCGGCGATGATGAATTTCCGTTTCG CCGTGGAAAAATAGCGGTATGCCACATCGATCGTAATGCCCTGTTCGCGTTCGGCTTCCA GTCCGTCGGTCAGGATGGAGAAGTCTATGGCTTCTTTCAAACCTTTGCTTTTTGCCGGATT CCAAGGTTTTGATTTGGTCGGACAGCAGCGGCTTTGCTGTCGTAGAGCAGTCGTCCGATCA GGGTGCTTTTGCCGTCATCGACGCTGCCGGCGGTAATGAAGCGGAGCGGGGTTTGGTGTT GTGCCGTCATATTTCTTCCTCATATCTGCTTAAAGGGTTTTTGAAATTTAGAAATAGCC TTCTTTTTTGCGTTTTTCCATTGCCGCCTCGCTTGCCTGATCGTCCAGCCGGGTCGCGCT GCGTTCGGAAATGTCGGCAACCGCTGTTTCTCTGATAATCTCCGTCGGCGTGGACGCGGT GCTTTCTACCGGGCAGGTGCAGCTGATGTCGCCGACGGTGCGGAAGCGGACATCAAGGAT TTCGGAGGTTTCAGACGGCATTTTCGGGGTGAGCGGCGTTACAGGGACCAGCAGCCCCT GCGTCTGACCACTTCGCGCCTGTGGCTGTAATAAATCGGCGGCAGCTCGAGGTTTTCGCG GGCGATGTATTGCCAGATGTCGAGTTCCGTCCAGTTGGAAATCGGGAAGACGCGCATATT TTCGCCTTTGTGCAGCCTGGTGTTGTACAGCGACCACAGCTCGGGGCGTTGCGCCTTCGG ATCCCATTGTCCGAACTCGTCGCGGAACGAGAAAATCCGTTCTTTGGCGCGGGCTTTTTC TTCGTCGCGCCGCGCCCCATAAGCGCGTCGAAGCCGTTTGCCTCGATGGTTTCCAA CAAGGTAACCGCCTGTGCCGCATTGCGCGAATCGGTTTCTTTGCGTAAGACCACCGTGCC TTTGGCAATGGAGTCTTCCACGCGCCCCACTATCAGGCGGGCATTGAGTTTTGCCGCCTG CGCGTCGCGGAAGGCAATCACTTCGGGGTAGTTGTGTCCCGTGTCGATATGCACCAGCGG GAAGGCAGTTTCACCGGCCGGCTGCCCAGCCGGAAGGCTTTGCAGGCGAGGGCGAGCAG GACCACGGAATCTTTGCCGCCGGAAAAGAGCAGGGCGGGGTTTTCGCATTCTGCCGCCAC TTCGCGGATGATGTGGATTCGGATTCCAACCAGTCGAGTTGGGCGTTGTTCGGTTC GGTTTTCGTCATACCATATTCCTTATTTCTTCTGTCTGATATTTATGAATTATTTGTGCA GCCCGCATTCTTTGCTGTTTCTGCCTTCCCACCACCACCGCCGGCGGGATGTCTTCGC **AATCGTTGTAAGGCACATTGTTGGCGAGGATGTATGCCCACACGTCGTGTTCCGACCAGT** CGAAAATCGGGTTGTATTTGCCGATGCCCCGTCCGGCATCGTATTCGGCAAACGGCAGTT CCGTGCGTGTGGCGGATTGTTCGCGGCGTTGCCCGGTAAGCCAGGCGTCCGCGCCTGCAA TGGCGCGGTTGAGCGGTTCTTTTCGGATGCGGCAGCATTCGCGGCGCGCTTCAACGC TGTCGTAAAAGGCAAACCTGCCTTTGCTTTCCACATAACGGTCGGCATCTTCTCGAACCG GCCGGAAACGCTTTATCCGCAAATGGGGATATGCGCGTCCGAGCCTGTCCAGCAGGTTCA GGGTTTCCGTGTGGAGCAGCCCCGTATCCAAGGTAAAAATGCCGATATTGAGGTTTTCGC CGGCGATAAGGTCGGTAATCACCATATCTTCTGCCGCAAGGCTGCTGGCAAACCGTGCAT CCCGGTGGCTGCCGACAATCCGGTGCAGGCGTTGTTTGAGGGTTTCCGTTTTTTCCGCAA GGGCGGTTTCGCCGCCGGATCCGATATGCGGTATCTGCCACAGGGCGGGTTTGAACAGTG TCGTTTCCATTTTCCCGCCTTATGCCGCCCGTTGTCCGGCATTCAGTCCGCCCAATGCG GGATACGTCTGCCCGACCCGGTTTTCTCCTTCGCCGTTTTCACCGAACCAGGCGAGTTTT TCGTGCAGCCCCACCACTTCGCCTATGACAATCAATGCCGGATTCGGCGCGGTTTCGGCG AGTTCGGCAAGGTTGGCGAGCGTGCCGTTGCGGTTTTTTTGAGCCGGCAGCGTGCCTTGG CTGATAACGGCTGCCGGCGTGTCGGCGAGCGTCCGTGCTGTTGCAGCCGTTCGGCAATC AGGGCGGCTTTGAGCGCACCCATATAAATCACCAAGGTCTGGCGGCTGCGGGCGAGGGTC TGCCATTCGATGTCGGGCGCATCCGCCTTGCGGTGGCCGGTTACGAAAACCGCACTTTGG GCATAATCGCGGTGCGTGAGCGGGATGCCGGCATAGGCGGTCGCCGCCGACGCGGCGGTA ATGCCGGGGACGACCGAAAACGGAATCTGATGGCGTGCCAAGGTTTCCAATTCTTCGCCG GCCAGCCTGACCATAAGCGCATTGGTGTCCTCTTGCGGGGTGCGCTCGCCCCGGGCGCGC TTGCCGACAAAAATCCGTTCCGCATCGCGGCGGACGAGGGACAGTATGCCGTCTGAAACC AGCGCGTCGTAAAGCACCACGTCTGCCTGCTGGATTTCCTGCAGCCCTTTGAGCGTCAGC AGCCCCGCATCGCCGGGACCCGCCGACCAGCGAGACGGAGCCGCCTTGATCATTTTGA - CGACTTTGTTCCAATTGGCCTGCCAATTCCCGTTCGGCAAGGGTGTTTTGCCGGTTTTTG ACGAGGCGGCGAAACGTCCGTTAAACTGCTTTTCCCAAAAGCGGCGGCGTTCGGTAACG

GATTTCAGTTTGCCCTTGACGGCATCGCGCCACCTTCCTGAAATTTCCGCCATATCGCCC AAAGACGGCGCAGCAGGGCTTCCAGCCTTTCACGCAGCAGTCGGGCGAGGACGGGCGCG CTGCCGGAGCTGGAAACGGCAATCTGAACCGGGTTGCGGTCGATAACCGACGGGAAGATG AAGCTGCAATGGTCGCGGTCGTCCACCACGTTGACCGGCTTTTGGCAGCTTTCGGCAAGA TGGAAAACGCGC CGGTTGAGGGCTTGGTCGCTGCTTGCCGCAATGATGAGGAAAACCGTG CGGATGTGTTCGGCACGAAATTCTTCGGCAAGCCACAGGATTTTGTTTTCCGCCGCCAAC AGCAGGCTGATTTTGCGTGCGGCGACCGCCGCCGCCTACGACCAATACGGGGCGGCCG GCGAGGTTGGCGAAAATAGGGAAATAATTCACTGGCTGACTCCTTTGCTGTTTGCCCGCA CCTTGTTTCCGATACGGTGCGTCGCGGCATTTTTGTCGGAATGCGGGTCATTTTAGACAA AAGGATTTTCCCCGGTTAAATAATAAAAAGGTATTTGTTAGAAGCTGAAAGCTATATGGG GGCGGCTGCGGATGCGGCGGTTTTCCGTTTTATAACGGTTTCGGAAGAAAACGGCCTGA AGCCGTTTCGGGCATTCAGACCGTTTGCGTGGTGAGGGGATGCCGTCCGAAGGGCGAAAA GCGAGGCAACCGATAATGCGGCGGCAAGCGCGCTTTGCCTGCAAAGCGGATTGAGGTTT TGCCTTCGATGTATTTGAAGCCGGTTATCATCGGGAGGATGAGGTTTTTCTTTTTGAATA CGCGGTATGCGG CGACGGCGGCGATGTGGATTGCAGAAAAAACGGCGAGCAGCTTGAAAA AGTTGAGGTGGATTTTCCGCATAAGGCTGCCCGTATGTTCGGAAACCAAATGGTTGAGGT AGCCGTTGGTGCTGAAGGTGTTTTCATCGGCGGCAAAAAGCCCGGTGCCGACTTGGAAGG ACACGGCGGCCAAAAGCGCAACGACCATCAGTGCGCCCAAGGGGTTGTGTCCGGGCTGGA GGGAAAACGGGCGGTATCGCTGCCCCAAATGCCCCAGCAGAGGCGAAATACGAGCAGGA AAAGGACGAACA GCCCGACGCGCGTGTGCCATTGCAGCATATCGCCGCCGGCTTTCGCGC TATACCACATAAAGGGCAGGGACGCGGCAAGCAGCCAGTGGAAAAGGCGGGTGGGGAGGT **AGCCTTATTTTAACCGATTGGAGGGGCAATGTTTCCCGTTTTTCATCTTTCAGGCGAGAG** CCGCCGCCAGATGCTTCAGACGGCATTGCGTTTTCCCCATGTTTTCAAAGCCCGTGCGGA AGATTCGCACAAAGGGACTTTCGGCACGCTCGCCGTAGTCGGCGGATCGGCAGGGATGAG CGGCGCGCCCGTATTGGCGGCATCGGCGGCAATGTATCTCGGCTGCGGCAAAGTGTGGGC GGGTTTCAATCAGGATACGCTACCTTTTGCCGTTATTGCCGGTTTTTCCCGAGATTATGCT GGATACGGCGGACAGTTTGGCCAAACGTCAAGATATAAACGCCTGGGTTGTCGGTTGTGG ATTGGGTACAGGTAGGGCGGCGGTCGGAACGCTTGCCGGAATTTTGACGGAACACACGGA CAAGCCCGTCGTTTTGGATGCGGATGCGCTGAACATATTATCAACCGATGCCGAAACCCG AAATCTGGCGCGCGGGTGTAAAAACCTGATTTTAACGCCACACCCCGCCGAAGCCGCGCG CCTGCTTGGAACGACGGTTGCGCAGGTTCAGGCGGATCGGACGGCGGCAGTGAGGAAGAT AGGGGCAATTTTCGGCGCAACCGTGGTTTTAAAGGGGCACAAAACATTGGTTGCCTCACC CGATACGGAAATCTATGTCAACGAAAGCGGCAACGCGGGATTGGCAACGGCGGGCAGTGG CGACGTATTGGGCGGCATCATCGGCAGTCTGCTCGCACAGGGCGTGCCGGTTTTTGAAGC CGCCTGCGCGGGCGCGTGCCTGCACGCCGCGGCGGATGTCATAAAAGAATCGGCAGG CATTGCGGCAGGGCTGTTGGCAGGGGAAATCGCTCCGGCGGCAAGGTGGCTGCGCAACCG GATAACTAAAAGTATGTAAGAAGATATAGTGGATTAACAAAAACCAGTACATCGTTGCCT CGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCG TACTATTTGTACTGTCGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAC CATACAACCACGCCGGAATTAAGTTTAAATTTGAATAAAAGGTTCGGGTTCTGCAAAATA CAGAACCCGAACCTTGTTCGGATATTGAAACCGGCTGCCCGATTTTGGGCGGTGCGGCTT GCAAGTATCAAGATTCGCATATGCCGTCTGAAGCTCGGAGAGGTTCAGACGGCATATGCT TATTTGGGCTGCTCTTCAACGAATCTCGGACCTTTCAAGATGCCGTTGTGAGAATAGGGC GCAATCTGATTGACCACTGCGCTGACCAAAGCCCCCAACAGGCCGCTGTTGCTGTTGTTG CTGCCTTCGCGGATGCTGGCCGAACCCGACCACAACTCTTTTCCGTTGCGGGAATCGACC **AGCCGTGCTTTGGCGGATACGGTCGTCACGCTGTCTAAAATTTGATATGAAGTGCCGTAT** TCGGTAACCGTAATGTACAAAACCGCATCATTGCCGAAAATCTGATGCAGTTTTTCCGGC **ACTGCGGCGGGAAGACGTAATAGCCGGCTTCGGAAAGCGGCGCGGCGGTCGAAGCCAGT** ACACCCCATGTTCCGTTGACATCGGGCGATTCGTTCAGCGGCGGAACCACCAAAATTGAA GCCGGTTTGCTTTCCTTGAATGACGTGTAGTCGAAATCGGGCGCTTTTTGAACTTGGCAG GCAGACAGCGCCAACACGGCGGCAAGCCCTAAAATCAAAGGTTTCATCGCTTGCCTCCTT TACCGGTTTTCATCAGGAAGTCCATAAATACGCCCGATTCGGGAAACAGCCTTTTCTCTT CTTCAAACTGGCGGAACGCGCCCTCTTTGTCTCCCGAACGGGAAAGCAGCAGTCCCAGAT GGGCGTGCGCACCCGGGGCGCATTCATTTTTTTTTTTGCCGGCTTCCACAAAGTATTTTT CCATCTTTTCGGTCTGCTTGCCCAACGAAGTGTCGTCGTTTTTCAAACCTTCATAGACGG TATCGGGATAGCCGCCGTAATAATACAGGGATTTTTGCCCGTTGCCGCCGCAGGCGGTCA GAGCCAAGACCGCCGCACACAGCGACAAACGGCTCAAGGTTTTCGGATTCATCATTTCTC CTTAACGGTTGGGTTGCCATGCGCCGTTGTCAACAGCCTGAACCAGGCTGTTGACGGCTT CGCGGATTGCCAAGTCTAAAACTTTGCCGTTCAAAGTCGCATCGTAGCCGGAAGTGCCGC CGAAACCGATGATTTCACGGTTGGAAAGTGCGTATTCGCCCGCGCCCTGTGCGGAATAGA CGATTTCGGAAGTATTGACGTTGACGATATTCAGAGCCACTTTTGCATAGGCGATTTGCG ATTTGCCGCGACCCAAAATGCCGAAGAGCTGATGATCGCCGACATCTCTGCGTCCGAATT CGGTTACATCGCCGGTAACGACATAATCTGCGCCTTTCAGGTTATGCGCTTTGCCGGAAA TGCCGGATTCCTGTTTTAATGCGTTCAAATTGGTGCGGTTCAGTACGTTGAAGCGGTTGG TCTGTTGCAGGTGCGTTACTAGAATGGTTTTTGCCTGGCTGCCCAAACGGTCTTCCCCGT CGGAGAAAATGCCTTTTTGGAAGCTGGAGCGGTTGTCGAATGTTCCGACGGAAATCGGGG TACGAACACCGTGATATTGCGTATTGTAGGAGGCGACTTTCTCTACCTCGAGACTGCGTG AGGATTCGGTCGCACAGCCGGTCAGTGAAACGGCAGCGGCGGCAAGGACAACGGCGGTGG **AAACGGTTTTCATAAAATTTACCCTAAGGTCAAGTTAAGGAAATAACGGGTTGTCATTAT**

TGTCCTTATGTAAATTTAAGTCAAGGTGTTTGTCTGTGCGGGACGGATGCGCGCGGAAGG

GAGGTAAACGATTTCGCCACTCCGCCCTTTGCTTTCGGCACTTGCCCACCAGACAAATGC GGGCAGCACGTCCCCGTAGCTTTTGCGTTCGCTTTTGGCTTCGCCCGGATGGGATTTGAT GCGTTGCGGGGAATTGATGGGGCCGGGGACGAGGACGTTGGCGCAGGTTGCCGAAGCG TTCCCATTCGTCGGCGGCGACTTTGCACAGGTAGTTCAACGCGGCTTTGGACGCGCCGAA GTCGGGCGACTGCTTCAGCAGCGGGAACAGGGCGCGGGTCAGCCCCATAGGTGCGACGGT GTTGATGCGGTATTGGTTGACCCATTCGGCGACGGTTTGGAAATCCAGCGGCGAGAGGGC GTAAAAATAGCCGGCGCAGTGGACGATGCCGTCCAGTTTGCCTTGCGTGGCTTCGGCAAT GGTGGCGGCGAAATGTTCAAATTCTTTTTCTTCCGCGCTAATAAGGTCAAAGCAGATGGC GAATGGTTCGGGGTATCCGGCTTCGACAATCGCGTCATACACTTTTTCCAGTTTTTTCTG ATGACGGGCAACCAAAATCACGGTTGCGCCTGCCGCCGCATAGGCTTTGGCGACCTGTTC GCCCAGACCTTGCGATGCGCCGGTTACTAAGATGGTTTTGTCGGACAGTGTCGCCATACT TTTTCCTTTTTGGTTGTCGGTTAAGGTATTTTAGCGTTTTGCCGCACCTTGTAAAGCGTC ACGCGAAACCTGATTGTACGGCGGCTTCGAGCGTGGCGGGGTAGTCCGGGTGGAGGTAGT CGCCGGCGGGAAGATGCGGTGCCGGTGCAACCACGACAAGTCCGGCGGGGGCATCGG CTGCGGTTGTGGCGCGTTTTTCGGTGATGACGCGCACGGCTTCGGGTTCGCCCAAATGCG GAAGGATGCGTTTGAGGTCGGCGTGGGCTTTGTCCGCCCACGCCCGGTTTGCAAACGCGC ${\tt CGACGCGGTCGGAAACGCTGATGACGGCGGACACTTCGTTTTCAGGCAGTCCGAGCCTGC}$ GGACGGGTTCGGCGTAGCGCAGATAGACGGTGGTGATGGCGTGGTAGCGAAGGTTTTGAT ATGCCGTCTGAACGTGTTCGGGCGTGCCTTCGGGCAGGAGCGCGGCGGCGTGGTAGGGCG CGGTGGCGGGGACGGCGCATCGAAAGCTTCGCCGTTGACGAGCACTTTCCCGTCCGGGA GGGTGTTCAGACGGCATACGCGCGTTTCGAGGCGGATGTCCGCGCCGAGCCGTTGAAGAT CCGCCAAGGCGGGTTCGGCGACGATTGCGCCCAAATCCTGCTTGGGTAGGAGATAGTCGC TGCCGGATTTTTTCGTCAGCACGCCGTCGGACAAAACGTTGCACAACACGCGCAGGCTTG CGGTTTCCAAAGGCGTGTTGAGCGCGCCCCAAACCAAGGGCTGCCAAAACTGCATCACGG CGGCACGCGGCACGTTCCGCTGTTTCAGCCATTGCGCCACTGTCGTGTCGGGCTGTCCGA GGCGTGCGGACTTCTGCAAATCGGACATATCGGCAAGCAGTTTGGCTTTGAATGCAGTCG CGCGGAACTGCAAACCGCCGTGCATATGCCAGTGCAGCGGTACGCGCAAAAAGGCGGCAC GGGGATCCGAACCGATGGTTTTCATCAGGCGCAACACGCCCCGGTATGCGCCGAGCAAAA TGTGCTGCCCGTTGTCCAAAAAACCGAAACCGTCGGTATTTCCGGCCAGTGTGCGCGCCC TGCCGCCGCCTGCCGGCCGGCTTCAAACAGGGTAACGTCGGCGTGCCGCCCAAGGTGA CGGCGGCGGACAGTCCTGCCCAGCCTGCGCCGATGACGGCGATTTTCGGGCGCGGATGCG GCGTGTTCATCATTTATTCCTCCAATGGTTTTGCAGCCGTATCTATTTCCGTTTCCGAAA ATGACGGTAGAAAAGGATACAGGCTAAAAATAAAGGCAGCAGAAAGCGCGCATAGGGATA CCACGGATGGTCTGCATGCCAGTATCCGTACCGTCCCTGTGGAACGGTATCATAGCGGTA TGCTTTCATTTACTTCTGCTCCTGTTTAAATTCCCAGCAATTCCATTTCAAAGCGCGAAC GCCAACGGGATTGCGCGGTTACGATGCAGACTTTCAGACGATGGTTGAAACCCCGTCCGG TCCGGCGTGCCGGGGCGCGGTTTGAATCCGAATAACCAGGTTTTCAGGGCAATGCGTTTT TTGCGCGGCGAAGGGAGGCGATTTTGTATTTGAGGACGTTTTGTGCGCCCGTCTCGGTCG ATTTCGTTCAATAGCTCGTAATAAACCGCCGCCATGACCAGTCCGACTTTTTGGGCTTTT TTATCGGCATCAGGCAGCAGCGATACGGCTTCGCGGTAGGTTTCGCGGGCGCGTTTGATT TGGAACGCCATCAATTCGGCAAAATTGCCCGTCGGGCTGCATTGCAAAATCACGCTTGCG GGTACGTCAAACCGCCGCATTTCCTCCATCGGCAGGTAAATCCGCCCCCTGCGCGCGTCT TCGCCGACATCGCGGATGATGTTGGTCAGTTGCAGCGCAAGTCCCATCTTGTCGGCGTAT TCCAGCGTTTGGTCGTCTGAAAACCCCAAAATCCGCGCAATCAGGCAGCCGACCACGCCT GCGACGCGGTGGCAATACAGTTTCAATTCTTCAAAACTGCCGTAACGGGCTTGAACCAAA TCCATCTGCATCCCGTCGATTAAGGCTTCCAGTTCATATTTCGGCAGCTTGAAGGTTTCC TTAACTTGCCGCAAGGCCTGATTGACGGGGTGTTCCGGCATCGCGCCGCCGAATACCTTG TCCAAATCGCCGCGCCACCAGTTCAATGTCGCCTGTGCAACATCGGGGTTGGAACATTCG TCAACCACATCGTCCAATTCGCGGCAAAAAGCATATAAAACCGTTACCGCATCCCGTTTT TCCTGAGTCAGGAAACGGAAGCCCGACAAAAAACTGGAGCGGCTTTCTTCTGCTTTTTGG CGGCAATAGTCGAGTCCTTTCACGATTTATATTCCTAATGATGGGCGGGAAAGGCGGATT TTATCGGCATTTGGCGGTAGAGGGCAATTTCGGCGGCACGACCTAATCCTTAGCGGTTTG CTCAACTATCGGCGCAAATTCTGTTAAAATGCCGCTTTCCTTTCCTTTACACACCGCACCG ACAGGCAGAATTTATGGCTCTTTTGCAGATTTCAGAACCGGGTATGTCCGCCGCCCCGCA CCGGCACCGTTTGGCGGCAGGCATCGATTTGGGTACGACCAACAGCTTGGTCGCCACCGT CCGCAGCGGCAGTGCCGCCTGCCCGATGCCGAAGGGCGCGTTACCCTGCCTTCCGT CGTCCGCTATCTGGAAAACGGCGCATTGAAGTCGGCAAAAACCGCCCTGTCCGCCCAAAA AACCGACCCGCTGAACACCGTCAGCTCCGCCAAACGCCTTATCGGGCGGACGCTTGCCGA TCTGCATCAAAATACGCACTACCTGCCTTACCGTTTCGGCGACAATCAACGCGTTATCGA ACTGCATACGCGGCAGGGGTGAAAACGCCTGTCGAAGTGTCGGCGGAAATCCTCAAAAC CCTTAAATCGCGCGCGAAGAAACCTTGGGCGGCGATTTGGTCGGCGTGGTGATTACCGT CCCCGCCTATTTCGACGATGCCCAACGCCAGGCCACCAAAGATGCCGCGCGTCTGGCGGG TTTGAACGTATTGCGCCTGCTCAACGAACCCACCGCCGCCGCAATCGCCTACGGGCTGGA CGTATTGCAACTGACCAAAGGACTGTTTGAAGTCAAAGCCACCGGCGGCAACAGCGCGTT

GGGCGGCGACGATTTCGACCACCGCCTGTTCTGCCGCCTGCTCGAACAAAAGGGACTCTC ATTAACCACGCAAACCGAAGCGCGCATTCAGGCGACGCTTTCAGACGGCATGGCAATCGA CACAAGCATCAGTCGCGCGAGTTCCACAACCTGACGCAGCATTTGGTGATGAAAACGCT CGAACCGGTCACACAGGCGTTGAAAGATGCCGGTGTCGGTAAAAACGAAGTCAAAGGCGT GATTATGGTCGGCGGTTCGACCCGTATGCTGCACGTCCAACAGGCAGTCGCCACCTTCTT CGGACAAACCCCGCTGAACAACCTCAACCCCGACGAAGTCGTCGCGCTCGGCGCCGCCAT ACAGGCAAACGTCCTCGCAGGCAACAAAACCGACGGCGAATGGCTGCTGCTGGACGTTAC GCCCTTGTCGCTCGGTTTGGAAACCTACGGCGGCTTGGCGGAAAAAATCATCCCGCGCAA TTCCACCATCCCCACCGCGCGCGCGCAGACTTTACCACCTTCAAAGACGGTCAGACCGC GATGACGATACACGTCGTACAAGGCGAACGCGAACTGGTTGCCGACTGCCGCAGCCTTGC CAAATTCACCCTGCGCGCATTCCGCCTATGGCGGCGGGTGCGGCGCGTATCCGCGTAAC CTTCCAAATCGATGCGGATGGGCTGCTGTCCGTTTCCGCCCAAGAACAAAGCACCGGCGT ACAGGCGCAAATCGAAGTCAAACCCTCCTACGGCTTGGACGACGACACCATCACCCAAAT GCTCAAAGACAGCATGAGCAATGCCGCCGAAGATATGGCGGCACGCGCCCGTGCCGAAGC CGTAGTCGAAGCCGAAAGCCTGACCGATGCCGTCAACGCCGCCCTCGAGTTGGACAGCGA TTTGCTGGATGCCGAAGAATTGCAACAGATTCGGCAAGGCATCGCCGATTTGCAAGGCCG TCTGAAAGACGGAAAAGCCGAAGACATCCGTGCCGCCGCCGCCAAACTCGGCAGCATCAC CGACAATTTCGCCGCCAAACGCATGAACCGCAACATCCAACGCGCGCTGACAGGCCAGAG TGTCGATAATATTTGATACTTAAACGGTTTCAGACGGCATAGAAATAATCCGATGCCGTC TGAAGGCTCGAAAACACTTGAAAAACATCGATATGGAAAAGTCAGGCATTGTCTATCTGA TGAAAACCGTCATCAAGGGCGTGTATAAAATCGGCATTTCGGATGTAAGCAATTTTGAAG GCAGAATGCGCCATTTGGAAAACAACGGTTATGCGAACGTTGCCGGATTGGAACGCATCC TCGCCGTCAAAACCGACAATTACAAAGAAAAAGAAAACCTGCTCCATGAAATTTTCAGCA AAAGCAGGATAGGCGATACCGAATTGTTCGCCGTGGACGAAAACCTTGTGAAACGTTTGT TTTTATCGCTTCGCGGCGAAATCGTGTTCCCGAAAAACGAAACGGCGGAATCGGAATTTG AAAAAGCGTCCACGAACGCAGGCAGGAAGGGAATGCCGGGTCAGGCCGCAAACAACTGC TTGATTTGGTACGGCGCGGACACCGGGAATACCCTTACGCGCTGCCCCGGCTTTTGGCGG GCGCGGCATTCTACAAGCCGAAAAAATCGAAAATCCGCCTTTTTAAAGAAGCATATTTCG GCAAAAGCGGCACGAGGCTGACCGACGAAATTGCAGACGGCATCCATATTTACACCTGTT TTTCGCGGGCGGATTTGGAAAAAGCCTATTCCGAATATTTGGAACTTTTCAAATCCGAAT CGGATGCCGAAGGCAGAAAGCCGCAGTAAGGTGCAAACAGATACCGTACACGTTGAGGAG CAGATATGATGGGCGATTCCGTCATTTATTATGTAGAACAGGCAGACGGAACCGGTAAACC **GTGCCGACGAACGCGCCCGTAAAACATTCAAATATTTTTGGCGCGAGCTTTTTTGGGAAC** GCCGCCGCATTATTTCCGCCTTGGATTTTGCCATGGTCAAAGTCCCTTTTTTCCAAGACG ATATTTACGGTGTGCTGAACAATGAACCCGGCGAACTGACCAATGTCGAACAAGGCGAAA GCGTTTGCGTTCCGGTTGACGACATCAGCGACTGGATGTTCGTGTGCAACGGCATCCCCT ACGGCGGCTTTACCATACAGGCAATGCGCGGGCAGATGACGGAAGAGGAGCGCACCGAAC **ACGATGCCGCATGGGGAATCGATTTCGGCGATCCCGGGCAGATATTGCTGGTGTATGAAG AAAAAGAACATCCCGAAAATCTGGAAGAGCATCCGATGTGCCGGAACTGTATTGACGATT** TTCGGCAACAGTTGTCCCAAAACTCGGATTATCTGCGGGAACAGGACGAAGACGGCTATA CGCCGCTTCATCATGAAGCCATCGCAGGAAATGCACTTATGGTTCAAGCCATGCTTGAAT TGACGGGCTGGCAAAATGTTGCCGACCTGCTCGAACCGCGACATTAGGCAGACAGTTTTC CGAAAACGAACACAAACACTTTTTACAGAAAGACAATAAAAATGCCCAAAATCACCGTAC TTCCACACACGACATTATGCCCCGAGGGTGCAGTCATCGATAACGCACCCGAAGGTAAAA CCGTCCTTGACGTGCTCGACCATGATATCGAAGTCGATCACGCCTGCGAAAAATCCT GCGCCTGCACAACCTGCCACGTGATTATCCGCAAAGGTTTCGACAGCCTAGAAGAGCCGA CCGAATTGGAAGAAGACCTGCTCGATCAGGCTTGGGGTTTGGAAGCCGATTCGCGCCTGA GTTGTCAGGCGGTTGTCGCCGGCGAGGATTTGATTGTGGAAATCCCCAAATACACCATCA ACCACGCGCGCGAAGAACACTGAAAACAGGCCGTCTGAAGCCGGCACGCTTCAGACGGCA TTGTTGCGCGGATAAGGCGCAATCGCCCGAAAACAGGCGTTCGTACAGGCGGAACTTTCG ATTCTATAGTGAATTAACAAAAATCAGGACAAGGCGGCGAGCCGCAGACAGTACAGATAG TACGGCAAGGCGAGGTAACGCTGTACCGGTTTAAATTTAATTCACTATATATTGATTTTT ATCGGTTTTCTGACGGAATAATCCAGTGCGGCATCCGAGGCGGATTACTCGGACGCGATG CACCGGTATTTATCGGTTTTGCAGCCGGAAAAACCGCCGGCGGGTTATAGTGGATTAAAT TTAAACCAGTACAGCGTTGCCTCGCCTTGCCGTACTATCTGTACTGTCTGCGGCTCGCCG CCTTGTCCTGATTTTTGTTAATCCACTATACTTTTAGGGCGACGGTCGGGCAGTATGCCG ATGCGGCATCCGGGACGGCTTGTGTTTTTTCCTGCCCGCCTGCCGGATTTTCCCATCCTT GCGTGAAACCGAAAGAGACGGCGGCGGCGGCGACAAGCTCGAGATAGCGTCCTTCAAGCT CCGGACAGGCGGCGGACACGCTTTCTACCGTAACCGTGAAACCGCCGCCCGACCCGGCAA GGCGTTCCGCAATTTGCGTGTAGATGAGCCAACGTTGGGCGCGCAACATTGCCGAATCGC AACCGGCAGCCGCTTTATCCAAGGCAATCAGGTCGCGCCGGTTTTGGTGGTGAAGGCAAA CCGTTACTCTGGAGAGGATATGTTGCCCGTCCAATATTTGATACAGTTTGCGTATCAGCA GAATCAGGCGGTCAAACTCCTCCATCTCCGACAGGGAATCAGGATGGTCGGAAGCGGTAT AAACCAGTTTGGACAATTTTGCGGCAAACATATTGTTCATCAATCTTCCTTGTCGGTTGA CAGGACGACACATAGGCTGGTGCTTGATGTTGTCCGGCGAGTTGAAACATTCAGCAAT CCTCAAGGGGCGCAGTTTTGCCGAAACATATTCTACACGGCTTCAATGCCGGACGATAA AAGGAAATTCATATGAAATGGACCGACACCCAGCGCATCGCCGAAGAACTCTATGACCTG CACGGCGAAACCATCGATCCCAGAACCGTGCGCTTTACCCAACTGCGCGACCTGATTATG GCATTGCCCGAATTTGACGACGCCCCCCCCCCTTGCGGCGAACGCATCCTCGAAGCCGTG CAGCAGGCATGGATAGACGAGGCGGAATAAGTTTCGGGAATGCCGTCTGAAATGCGGCGG TACGCGGTTCGTGCTTCTGTTTGCAGCGGGAATGGTTTTACCAGTCTCCTTTTTTCAGCC TGTCCAGTTGGCGGCGGTCGCGCTTGGTCGGTCTGCCGTCGGGATAGGCGGAAGTGATGC

GGCTGAATTGGTCGAGCTGTTTGCGCTCTTCCCTCAATGTTGCCGTTTTCGCGTCCTCTT CATACAGAAGCCGCGCCTCGGATGCCGGGCGGCGTTGGTGGTTCAAACCTTTAACCTTGA TTTTATAGGGAAGGGAATTGAGCGTCAGGTCGATAATATCGCCGATGTCTATGGTTTTAC TGTTTTTGACCTTCGAGCCGTTTACTTGAACCCTACCCAGTTCGATGTGCTTTTGCGCAA GGGAACGGGTCTTGAAAAAACGTGCCGCCCAAAGCCATTTGTCCAGCCGCATGGCGGAAG AATCGTGCTTGTCTTCATACGATTTTGTTTGAAATAATTGAATTTGTTTCGAGTTTAGC ATAAGATACGCCGCCTTATAACTAGTATATATGCACTAATCCACTGTTTTCCATGCTGTC CGAACACAAAAGAGGGTATGGAAAAGCCGTTTTGGACAATAAATTAACTGCGGAATATG CACAAATAGCGTATGATAGCGGCAGAATCTGTTGATGAGAGCTTCATTCTATGAAACCTG TTTTTTTGGATTTTGAACAACCCATAGCCGAACTGACCAACAAAATCGATGAGCTGCGTT TCGTCCAAGACGAGTCTGCCGTCGATATTTCGGACGAAATACACCGTTTGCAGAAAAAAA GCAACGACCTGACCAAATCGATTTTCAGCAAACTCACACCCGCCCAAATTTCACAGGTTT CCCGGCATCCGCAGCGTCCCTATACTTTGGATTACATTGAGGCACTGTTTACCGATTTTG AAGAACTGCACGGCGACCGCCACTTTGCCGACGATTATGCGATTGTCGGCGGATTGGCGC GTTTCAACGGACAAAGCGTGATGGTCGTCGGGCATCAGAAAAGGGCGCGACACCAAAGAAA AAATCCGCCGCAACTTCGGTATGCCCCGTCCTGAAGGCTACCGCAAAGCCCTGCGCCTGA TGAAGACGGCAGAAAAATTCGGCTTGCCCGTAATGACCTTTATCGATACGCCGGGCGCGT ATCCCGGCATCGGCGCGGAAGAACGCGGGCAGTCGGAAGCCCATCGGCAAAAACCTGTACG AACTGACGCGCCTGCGCGTTCCTGTTTTGTGTACCGTCATCGGCGAAGGCGGTTCAGGCG GTGCGTTGGCGGTCGCCCTAGGCGATTACGTCAATATGCTGCAATACTCGACCTATTCTG TTATCTCCCCGAAGGCTGCGCGTCTATTTTGTGGAAAACCGCCGAAAAGGCGGCGGATG CGGCTCAGGCTTTGGGCATTACTGCTGACCGCCTGCAAAAGCTGGACTTGGTCGATACCG TCATCAAAGAACCATTGGGCGCGCGCGCATCGGGATTTCGGGCAAACCATGAAAAACGTAA AAGCCGTTTTGGAAAAACAACTGCACGAAGCGCAAAGCATCCCGCTTGCCGATTTGCTTT CGCGCCGTTTCGACCGCATTATGGCTTACGGCAAATTTTCGGAACAATAATTCAGGTAGA ACAAGCAGCAAGCAGTTTGTCTGAAACTGCTTGCTTTTTCTTTATCGGGACGGAACCGTG CTGACTTTAGATGCGTTTGAGCAATGCTTGAAGGATTGTTTTCCTCAAGGTCTGAATGGA AAAAAAACAGCGGTGGCATTAAGCGGCGGCTTGGATTCCGTCGTTTTGCTGCATCTGCTT GTCCGCGCCGGAAAAAAGGGCGGTTTTATTCCGGATGCATTGCATATCCATCACGGCTTG AGTCCCCGTGCCGACGATTGGGCAGATTTCTGCCAAAACTATTGCGATATGCTCGGGGTG GGGCTGGAAACGGTTAAGGTCTGCGTGGAAAAAAACGGTTTGGGCATCGAGGCGGCGCA AGGCAAAAGCGTTATGCCGCGTTTGCCGAAAAAGGCTTTGACGTTTTGGCGTTGGCGCAC CACAGGGACGATCAAATCGAAACCTTTATGCTGGCGGTCGCGCGGCGGCGGGTTTGCGC GCTTTGGCGGCTATGCCCGCCGTCCGCCCTTTTGGGGAAAAAGGCATCATCTGGCGGCCC TTGCTGCCTTTTTCACGCCAAGATATATGGGATTATGCCCAAAAACACGGTTTGCCGAAT ATCGAGGATGAAAGCAATACCGATACGGCTTATTTGCGAAACCGCTTCCGGCACCGTATT TTGCCCGAACTTTCGGCGCAGATTCCCCATTTCGGGCGGCATGTGCTGAACAATGTCCGC GCTTTGCAGGAAGATTTGGCTTTGTTGGACGAGGTCGTCGTTCAGGACTGCCGTTGGGTT TGCGGGGCCGGTTATTTCGATACGGCGCGGTGGCTGACGTTTTCCCCGCGCCGGAAAACC CATATTTTGCGGCATTTCTGAAGGAAAACGGCATTCCCGTGCCGAATCAGAATGCCCTT GCCGACATTGCCCGGGTTTTGACGGAGGCAAAAACCGGACGTTGGAACTTGCAAGGCTTT GAATTGCATCATTATGCAGGCAGGCTGTTTGTGTTCCGACTGGAAAAAACGGATAAACTG CGGTTTTTGAAAGACAGGCAGATAAGCGGAAATTTAAGGGAAATATTGACGGGCAGGGA TTTGTGTTGAAGCGGCATCCGTTTGGGCTTCCTGAGCATCTTTTGGAGCAGGACGGAATT TTGAGGACGGTAGCGGCATCGGATACGTTGGCCATGGGCGGCATCCATAAGGATGTGAAA AAAATCCTTCAGGGGAAACGGGTTTTGCCTGTCCTGCGCCCAATTTGGCCGCTTGTTGCC GACAGCGGAAACCGTCCATTGGCGTTGGCAAACTGTTGTGCGGATTTCCAATACTCGGTT TCAGACGGCATTTTGCCCGTCCATCCTGACTTTCCCATTTTATTTTGATAATATCGCAAA CAGATTTCGGCGGCGTTCAGTCGGGTATTGTCCGGTTGCATATTTCTAAAAAGGCTTGTGA AGTGAAACACATCAGTTCGACCAATAATGAACACATCAGACACCTGCACCGCCTGTTGTC GCAAGGAAAGTTCAGACGGCAATACGCCCAAACCGTTTTGGAGGGCGTGCACCTGCTTCA GGTTTTCCTGCAATCCGGCGGGATGCCGGTCGGGGTATATATTCCCGAAGCGAAAATGCC GTCTGAAGAAGTCCGTAAATTGACGGCGGTTTTGCCGGAAGACGGGTTTTTTTCCGTTTC AGACGGCATATTGAAGAAAATCAGCAGCCTGACTTGTGCGGATGATGTGCTTGCGCTGAT TGATATTCCAGATGCGGGTGCTTTGCCGGCCGGCGGCGATTGCGTGGTTTTGGACGGCGT GCAAGACCCGGGCAATGTCGGCACGGTGTTGCGAAGCGCGGCGGCGGCGGGAATCGGCGC GGTCATTTTGGGCAAAGGTTGTGCGGACGCGTGGTCGCCCAAAGTGCTGCGAGCCGGAAT CTATAAAGGCCGTGTGTTTGCCACCGCCTTGCGCGAGGAAAAGCAGGCGGTTTTGTACGG CGAAGATTTGTGCGAACCGACAGCCTGGGTGTTTGGCAACGAAGGCGCGGGGGTCGGTAA AGCAGTTTTAGATAGGGCGGACAAGTGTGTCAGGATACCGATGCACGATGCAACCGAGTC TTTAAATGTCGCGATGGCGGCGACAATCTGCCTGTTTGAACAAATGCGCCAACGGGCGGC **GTATTGAGGAAGAGAAATGCCGTCTGAAAAAATCTATTACGGCGTATTGATTTTCTTATG** TATCGCTTCTATGCTGCCGCTTTTTTTTATGCGGGTGCTTTGAAGCCCAAGAAGGC GGCATTGCGGAAGGACGGGCAGTGGAAACTCATCTGATTGTCCAATGCCGTGGCGGCGGC GGTTTTGGCTTGGGTGTGGTAAATGGTTTTGACAGATATTGCTCAAAATCGTGCTAAT GGAATCCGAACAAATAAAGAATTTGGTAAAAAATTTGTTAAATCAACGAATTAAAGTTTT GTGGAAAACAAAACAGCTCTAAGCAAATAGGGCGTTTGTCGGTAAATACGGAAGAGTTGC GGCATTATCGGGCATCTTTAACAAGTAGTGCCGTCTTGACAGGCAATCGGTTTTTATGGG CAGCTTGCAAAATCGCGGATATAAAATTGCGAATCGGTTAAAGTGTGGGGACGCTATGAA **AAATTGCGAATTTTTTATGACCCGACAAGGGCAATCTATGATAGCGGTGCAGATTACTTA ACTAGGGAAAAACATAGATTAGTCGTAATTGCAAATAGTGCTTGGGGGGCTATTGCTTAAT** TTATCTTGTTATTATGACGAGGTTTTGGAAAAGCGGAAAATACCGTTCGGCAAACAGGAA ... ATTGATGACGATATGGACAAAGTGTCCGCCCTTAAGCGGAAGTTTAAAGATATTTCTGAA-**ATCAAAGTAGGGGATGGTTGGGAATACCCGTTCAATTATGAGCAGGGAATGAAAGAATTA**

GATGAAGTGCTATTGAAATACATTCCCTTTTTTGAAGAAGAACGATAAAGGAGGTTGATA TGCGCGTATCTAAAATAATTGGAAGTATGTTGCTTGTTACAGCGGTTCAGACCGTATTTT CGGCAAATGTTTACGCGTGCCGCCATAATGGTAAAACCAGTTACAGCCAAACTCCGGGAA AACATTGTACCAACGCGGGTTTGGGGCGGGACCGGGTGTACAGTTCGGTTAGACCGGCAG TAAAAGACAGGGCGGAAGACGCAGGGGTCGGCGATTATTCGGACACGGTGAGGGACGAAC ACGTCCAAAATCCGAAAGGAAATGCACAGAAAGACGGTTCGGCTGCCGGCATCAAGCCGC ACTGATTGAAGCCGAATCAGCCCTTGCGCTGTCGGACGCCAAAATTTGAACGATTGGGGA GCCATTGCCAAAGAAGCGGGGTTTGAAGTCAGCGGTTGCGACGCGAAGATGTATCCGCCG ATGAGCACCCAGCTCGAAGCCTTGGGTATAGACGTGTATGAAGGCTTCGATGCCGCTCAG GTGGTTGAAGCGATTTTGAACCTCGGCCTGCCTTATATTTCCGGCCCGCAATGGCTGTCG GAAAACGTGCTGCACCATCATTGGGTACTCGGTGTGGCGGGGACGCACGGCAAAACGACC ACCGCCTCCATGCTCGCATGGGTCTTGGAATATGCCGGCCTCGCGCCGGGCTTCCTTATT GGCGGCGTACCGGAAAATTTCGGCGTTTCCGCCCGCCTGCCGCAAACGCCGCGCCAAGAC CCGAACAGCCAATCGCCGTTTTTCGTCATCGAAGCCGACGAATACGACACCGCCTTTTTC GACAAACGTTCTAAATTCGTGCATTACCGTCCGCGTACCGCCGTGTTGAACAATCTGGAA TTCGACCACGCCGACATCTTTGCCGACTTGGGCGCGATACAGACCCAGTTCCACTACCTC GATACTTTGGACAAAGGCTGCTGGACGCCGGTGGAAAAATTCGGCACGGAACACGGCTGG CAGGCCGGCGAAGCCAATGCCGACGGCTCGTTCGACGTGTTGCTCGACGGCAAAACCGCC GGACGCGTCAAATGGGATTTGATGGGCAGGCACAACCGCATGAACGCGCTCGCCGTCATT GCCGCCGCGCGTCATGTCGGTGTCGATATTCAGACCGCCTGCGAAGCCTTGGGCGCGTTT **AAAAACGTCAAACGCCGGATGGAAATCAAAGGCACGGCAAACGGCATCACCGTTTACGAC** GACTTCGCCCACCCGACCGCCATCGAAACCACGATTCAAGGTTTGCGCCAACGCGTC GGCGGCGCGCATCCTCGCCGTCCTCGAACCGCGTTCCAACACGATGAAGCTGGGCACG ATGAAGTCCGCCCTGCCTGTAAGCCTCAAAGAAGCCGACCAAGTGTTCTGCTACGCCGGC GGCGTGGACTGGGACGTCGCCGAAGCCCTCGCGCCTTTGGGCGGCAGGCTGAACGTCGGC AAAGACTTCGATGCCTTCGTTGCCGAAATCGTGAAAAACGCCGAAGTAGGCGACCATATT TTGGTGATGAGCAACGGCGGTTTCGGCGGAATACACGGAAAGCTGCTGGAAGCTTTGAGA TAGCCCGGGCGATGCCGTCTGAAAGCCCTTCAGACGGCATCGCCCGGCTGCGCGCACAA AGGCGGAAAAACCGTTTGCCCCGTATTTTCAAACGCGTTACACTTGCCGCCGCTGTTTTC AGCCATTTGATTACCCGCAACCGCCGTCATTGCGCCGGCGGTTTGCCTGTCAGCGTCATT GCGCCGCTGTAAATACGAAAGAACACATTATGACCGTATCCCCCGTCGCCTTGCGCCGTA AGACCGAGTGCAAGCCTCATCCCACCGCGCGCTATTGGAAAAAATGCGATGTCGAAGCCC TGTTCGGACTTCCCTCGACCTCATTTACCAAGCCGCCGAAATCCACCGCCAAAATT TCAACCCGCGCGAAATCCAGCTTTCCACGCTGTTGTCCATCAAAACCGGCGGTTGTCCCG AAGACTGCGCCTATTGTCCGCAATCGGCGCACCACAATACCAATCTGGGCAAAGAGCAGA TGATGGATGTGGATGAAATCGTCGAAAAAGCCAAAATCGCCAAATCGCGCGGCGCAAGCC GGTTTTGTATGGGCGCGGCGTGGCGCGCCCTAAACCCCAAAGACGTGGAGACGGTTTCCG CAATCATCAAAGCCGTCAAGGGCTTGGGTATGGAAACCTGCGGCACGTTCGGTATGCTCG AAGAAGGTATGGCGGAAGACTTGAAAGAGGCGGCTTGGATTATTACAACCACAACCTCG ACACCGACCCGACCGCTACAACGACATCATCCACACCCGCCAACACGAAGACCGAATGG ACACCTTGGGCAAAGTCCGCAACGCCGGTTTGAAAGTCTGCTGCGGCGCATCGTCGGGA TGAACGAAACCCGCGCCGAACGTGCCGGGCTGATTGCCAGTCTCGCCCAATCTCGACCCGC AGCCCGAAAGCGTGCCGATTAACCGGTTGGTCAAAGTGGAAGGCACGCCGCTTGCCGATG CCGAAGATTTGGACTGGACGGAATTTGTCCGCACCATCGCCGTGGCGCGGATTACGATGC CGCAAAGTTATGTCCGGCTGTCGGCAGGGCGCAGCAATATGCCTGAAGCAATGCAGGCGA TGTGCTTTATGGCGGGCGCGAACTCGATTTTTTACGGCGACAAGCTGCTGACCACGGGCA **ATCCTGATGAGGACGGCGACAGAATCCTGATGGAAAAGCTCAACCTGTATCCCTTGCAGT** TTGAACCGGAAGGCGAGGTCGCCGAAGTGGAAAAAGCCTCTGGGATTAAAGTGGATTATT GACGATTGAAAAATGCCGTCTGAAACCCGGAAAAAGGCTTTCAGACGGCATTTGTCCGGA CGGCATTTCCAATATCTTTTTACCGGCGCGTGATGCTGCCGTCGGGCGAGACATCCAGCC CGTTCCCCTTGGGGAAATCGCTGCGGTTCAGATAAATAATCCGCCCGATAACGGTTTTCT CGGGGTCGATTTTGGGGATTTTATCGCCGACTTGAGTGATGGGGGATAATGTTGCCGGAAA CGAACCGCCCCTGTTTGTCGGTGATAATTTTAAAAATGGGGGCGATGCCGCTGATGCCGG AGGTGTTGATTGCGCCGTAGGTGGCAAAGTTGCCGCCGCTGTAGGAGATGAAGCGGTCGC GGTAAAGTTCGACGGCGCGAGTAACGTGCGGCCCCTGCCCGAATACGACATCCGCGCCGG AATCGACGGCAAGCCGCAAACTCAACGACGTTGCCCCTGTTTTCCCCATAGAAGATTT CGGTATCGAACGGCAGGTGTTCCGCCTGTTTCCCTTCCGCGCCGCCGTGGAACATCACAA TGACGATGTCGGCTTTCTGTTTGGTTTTGGTAATCCGTTTTCTAACTTTGGCATAATCGT TCAGTTTGACGGCGCAAGGTTGGGGGCGAAGGAGACGAAGCCGGATCTTACGCCGTTTT TCTTCAGGATGGCGGTTTCAAACCTGTTTTCGATGCCCGAATATTTGATGTTCAATTCGT CAAGGTTCGCCCTTTATGCCGTTTCCGCACCGCAAACCGCCGGGGTCAAGCCCTCGGCGC ATCCTGCCGGAACGGAATCCCCGTGCTGCCGATTGACGGTTCAAACCCCGCGCCCGTTTC AAATACCGGCGATGTGGACGGACAGGATGCGCCTGACGAAAAGACAGCCGATACCGTTTC CATTATCGGCGTGGGCGACATTATGCTCGGCAGCAATTATCCGGTCGATTACCTGCCCGA TACCAATATTCTGAAAAACGTCGAATCTGCCTTGCAAGACGCGGACATTACCGTCGGCAA CCTCGAAGGCACGCTGTTTGACGAAGGCGGTACGCCGAAAAAATGTGCAAACCCCCAAAA TATGCTATGCATTCCGAACGCCCTCCGCATACGGGCAATACCTTGCCGACGCGGGATTCG ACTACCTCAGCTTCGCCAACAACCACAGCAACGACTTCGGCGCGCAAGGCATCACGGCAA CGGCGGCGAGCGCAGCTCTTTTACATACTCGATCGCGCTAAAGCCGCTGCCGATAACGA GGCCAAAATTGCGGAAAATACCGCCATCGCCCAGATAAATTTGTCCATCATCAGACCTTT ACTGTTCAGACGAGACAGCATTTGCCGCACGTTTTGGGGCCTTATCTTTCGATTTGCGCTA CGTCGCGCACCGCGCCTTTGTCGGCGGAAGTCGCCATCGCGCCGTAAGCTCTTAATGCGG

CGGAGACGTAGCGGTCGCGGTTTTTAGGCTTCCATGCTTTGCTGCCGCGCGCTTCCATTT CGGCACGGCGTGCGGCAAGCTCTTCATCGGAAATGGCAAGGTGGATGCTGCGGTTGGGGA TGTCGATTTCGACGGTATCGCCTTCGTGTACCAAACCGATCGCGCCACCTTCCGCCGCTT AGAGAGCGCAGGCTTTGCCGAGGCCTTTAGATTTCAGGTAGGAAGTCGGATACAGCATTT CCTGCATGCCCGGGCCGCCTTTCGGGCCTTCGTAGCGGATGATGACGATGTCGCCAGCGA CGATTTGGTTGCCCAAAATGCCTTCTACTGCGTCTTCTTGGCTTTCAAACACGCGGGCGC GGCCGGTGAATTTGAGGATGCTCTCGTCCACGCCTGCGGTTTTTACCACGCAGCCGCGCT CGGCGATGTTGCCGAACAAGACCGCCAAACCGCCGTCTTGCGAGTAGGCGTGTGCCACGT CGCGGATACAGCCTTTTTCGCGGTCGAGGTCGAGGGTTTTCCACATACGGTTTTGCGAGA ACGCTTGGGTGCGTACGCCGCCCGGCGCGCTTTGAAGCGTTCGATGGCACGGGTGT TTTCGGGATTGGTCACGTCCCATTGTTCAATCGCGTCTTTCAGCGTCGGCGCGTGGATGG TGTGCACGTCGGTGTGCAGTTTGCCCGCTTTGTCCAGTTCTTTCAGGATGGCGAAGATAC CGCCGGCGCGATGCACGTCTTCCATATAGTAGTCGTGGTTGTTGGGTGCGGTTTTGCAGA TGCAGGGCACGACGCGGCTTAAGCGGTCGATGTCTGCCATTTTGAAATCGACACCGGCTT CGTTGGCAACGGCCAACAGGTGCAAAATGGTATTGGTGCTGCCGCCCATCGCAATATCCA TCGTCATAGCGTTTTCAAACGCTTTTTTGGTGGCAATGCTGCGCGGTAACACGGTTTCAT ATTCTTTGCGGCCGGCGTGGGTCGCCAAATACGAACCGTTGCCGGGCAGGGAAAGGCCGA GTGCTTCGGTCAGGCAGTTCATCGAGTTTGCCGTAAACATACCCGAACACGAGCCGCAGG TCGGGCAGGCGTTTTGTTCGACTTCCTCGACTTGCCGGTTGCTGACATTGTCGTCCGCCG ATTCAATCATCGCGTCAATCAAGTCCAAACGGCGTTCGGGCTGGATGTTTGCCACGCCGA TAACCTTGCCCGCTTCCATCGGGCCGCCGGAGACGAAGATGGTGGGGGATGTTCAGGCGCA TCGCGGCAATCAGCATGCCCGGGGTGATTTTGTCGCAGTTGGAAATGCACACCAGCGCGT CGGCGCAGTGGGCGTTGACCATATATTCGATAGAGTCGGCAATCAAATCGCGGCTGGGCA GGGAGTACAGCATGCCGCTGTGTCCCATAGCGATGCCGTCGATGGCGATGGTGTTGA ATTCTTTGGCGATTGCGCCGGCTTTTTCGATTTCGCGGGCCAACCAGCTGGCCCATATTGT GCAGGTGGACATGGCCGGGCACGAATTGGGTGAAGGAGTTGGCAACGGCGATGATGGGCT TGCGGCCGTGGGTGGAGGTTTTGGAGCGGTATTCAGGCATAGTGTGTTTCCTTGTGCCTA TACCGTCTGAAAGACAGGGCTGTTTCAGACGGTATCGGGTACGGTTTTTTAGAGTGGGAA AAGAGGGTATTTTATACCAAGTATCGGAATTTTGCGGGATTGAAACGGCGTGCGGCAAAA AAGAAAATCCCCGCAGGAATGCGGGGACGGGTTCAGGCGCGGGCAATCGCGACGGCTTTG GCGAAATCGCCGAAACCTTCGCCGATATTGCGTTCTGCCGCCCATTTGCCGATCAGGTCG TCCAATTCGGCAAGGATTTCGGGCAGGGTGATGTTTTCTTTGTAAAGACGGGGGATGCGT ACGCCTTCACGGTCGCCGCCGATATGGAGGTTGTAGCGTCCGACGGCTTTGCCGACCAGT CCGATTTCCGCCAACATCGCCCGTCCGCAGCCGTTCGGGCAGCCGGTAATGCGGGTAACG ATGTAGTCGTCCGACGTGCCGTGTTTCGCCATAATCTTATCCAGCTCGCCGATGAAGTCC GGCAGCACGCGTTCGGCTTCCGCCATTGCCAGCGGGCAGGTCGGAAAGGAAACGCAGGAC ATCGCATTTTCACGCAGCTTGCTGACATCGTTGCGGATTAATCCGTATGTTCGGGCAAAT GTGATGCGGAAATCGCCTTTGTGGATTTTGGCGATTTCCAACACGCCGGTCAGAAGCTGT TTCCCGCCTTCGTCAACCAAACGCCCGCTTTCGATGAAAAGGGTTAAATGCCAGTTGCCG TCTATGCCTTTCACCCAGCCGATGCGGTCGCCGCGCCCGGTAAATTTGAACGGGCGTACG GGTTCGAACGGCATACCCATACGGCGTTCAACTTCCGCGCGGAAGTTGTCCAAGCCCATA TTTTGAATGGTGTAGCGGGTGCGGGCGTTTTTGCGGTCGCTGCGGTTGCCGAAGTCGCGC TGCGTGGTTACCACCGCTTCGGCGGCCTTCAGCGCGTGTTCCGGAGGCACGAAACCCAGT TCCAGTGAAATGTTCGGATAGGTTTTGGTGTTGCCGTGTTCCATCGAAAGCCCGCCGCCT GCCAAAACATTGAAGCCGGCAAGCTGTCCGTTACCGTCTGAAACGGCGACGAAATCCAAA TCGTTGCCGTAGCAGTCCACATCGTTCAAGGGCGGGATGACGACTGCGGTTTTGAATTTT TGAACTTTTTTGCCGTCCACCCACACATCCAGATAACCGCGCGTGCGCGCAGCAGGTGT TCGGAAATCTTTTTCGCGTATTCGTAAGCCTGCCGGTGCAGTTCGGACTCGATCGGGTTG GACGTGCAAAGCACGTTGCGGTTCATATCCGCCGCCGTGGCGATGGAATCCAAACCCAGT TTGTGCAAGAGGCGGTGCATCGTCTGCAACTTGGCTTTCGGCACGCCGTGAAATTGGAAG GTTTGCCGGTTGGTCAGCCGGATGGAGCGGTAATGACTGTTTTCCCGGGCAAATTTGTCC AGTTCTATCCATTGGGACGGTTTGATGATCCCGCCCGGCAGCCGGCAGCGCAAAAGCATA AATTTCAAGGGCTCGAGTTTTGCCTCGGCGCGTTCGGCGGGGGTGTCGCGGTCCTGC TCATACATACCGTGGAAGCGGATGAGTTGGAAGTTGTCGCCTTTGAAGCCGCCCGTGAGC GGGTCTTTCAAATCGTCCAAAATCGTGCCGCGTAAAAAATTGCTTTCGGTTTTCAGACGT TCGTTGTCGGATAGCGGTTTTTCTTGCCACGCCAAACCTTTTGTCTTGGTCTGTACGGTC ATTTTGTGTTCCTCCCGATTATATTTAATCAATAAACATCACGCTGATAGCGTTTTTCTT CGCGCAGCATATCCAAATATTCTTCTGCGCCCTCTTCGTCCAAATGTCCTGCCCCGATAA TCACATCCAGCAAGGCGGCTTCCACGTCTTTTGCCATTTTTGCCGCATCGCCGCACACAT AGATATGCGCGCCTTCCTGCAGCCATTGCCAAAGTCCTTCCGCCTGTTCGCGGATTTTGT CCTGCACATAGATTTTTCTTCCTGATCGCGGGACCAGGCGAAATCGTACCTGTGCAGGA AGCCGTCTTTGGCAAACTGCTGCCATTCGGTTTGATAGAGAAAATCACGGGCAAAATGCG GATTGCCGAAAATCAGCCAGTTTTTGCCTTCCGCATTTTCTGCGGCACGTTGTTGGACGA AAGCGCGGAACGGTGCGACGCCGGTGCCCGAGCCGATCATCACAATCGGCTTGCGGCTGT CTTCGGGCAGCCTGAAGCCGTCGTTGCGTTCCACAAACACGCGCACCGTGCCGTCCTCTT CCAGCCGGTCGGCAAGGAAACCCGATGCGCCGCCCGTTCTGGCGCGGCCTTCGTGTTCAA AACGAACCACGCCGACAGTTAAATGCACTTCATCGCCCACTTCCGCCTGTGCTGAAGAAA .TCGAATACAAACGGGGTGCAAGCGGACGCAGTAAACGGATGAATTGTTCTGCCGTCAGGC TTGCCGGGAAGCGGTGCAGCACATCGACAATAGGCGTGTTTTGCACGAAATCCTGCAAAA

CGGCGTTATCGGCAATGATTTTATCGAGTTCTTCATAATGGGCGAACGCGGCATAGCCTT GCATCATCTTTCCGCCCGCCTGTATTTCCGTTGCCGGATCGATGCCGAGCAGGTCTAGGA TTTCCCTGACCAGTGCCGGATCGTTGTCAAACCAAACGCCGAGCGCGTCGCCCGGGAGGT AGTGCAAATCCGAACCGCTCAAATCGATTTCGATGTGGCGCACGTCTTTATCGGATTGGC GGGCGGTGATTTTCTGATTGGCCAGCAGGGCGGCGGGAAAGGGGGCTGCCTTGCAGTACC TGCCATCCGGTGCCGTCTGAAGGCCGGCGGGGGGGGTTGTCTGCGGCGGGGGGGTTGCCC GGTTTTTTGCGGCTTCTTTTTAAGAGTGCGGCGATATTATCTGTCCAGGCGTTTGCGG AGGCGGTAAAGTCCAAATCCGCATCAACGCGTTCGAGCAGCCGTTTTGCGCCCAATTCTT CAAAACGCCGGTCGAAATCTTTACCTGCCTGACAGAAATTCGGATAGGAACTGTCGCCCA AACCCAGTACGGCAAATTGGAGTTTGTCCAATTTCGGGGCTTTTTTGCCGTTCAGCAGTT TGTGCAGCACGACGGCTTCTTTCGGCGGTTCGCCTTCGCCTTGGGTGGAGGTAACCAGCA GCAGGCGGCGTTCGCCGGCGATGTTTTTCGCCTTATAGTCTTTCAGTTCGGCGCGACTGA CTTGGATGCCGGCGCTTCCAGGCTGTCCGCCGCTTTGTCGGCAACGGATTTCGCATTGC CGGTTTGCGAGGCGGAAAGGACGGTTACGGAAAAAGGTTCTGCCGCCGGCAATGCCGTCT GAAGCGCGGCAGTCCTGCAGATGCCCCGTTTCCTGCTTTTGCCCAAGCGTAGCCGGACA GCCACGCCCATTGTGCCGCGTCCAGCCCCGACAGGAGCTGCGTGATTTCGGGCGGCAGAG GCGGTAATGGCGGATTTGTGTTCTGCATATCGTGTTCACTCATAAAATCATACCTGCCGC **AACAGTGCCGTATGTCGCTTCGTCTATCAGGATAAACGAACCGGCGGCGGTGTTTTCCGC ATAAGGCGTTGCCGTAACGGGTTTTTGAAGGTTGATGCGGACTTTGGCGATGTCGTTCAT** CTTCAAGGATTCCGCGCCGGCCTCTTGTTCCAGCGTGCGGACATCCAAAACGCTTTCAAT TTCCCCGACTTTTGCCGGCACGGTTTGCGTGCCGTGCTTGAGCAGGTATTTGCGCGCGGT **GTTGAGCGGACGTTCGTCAAACCAGCAAAGCGTGGCTTCCAGATGTTTTTGCGGGGCGAG** CGGGGAATTTTTATCGACAAAAAGGTCGCCGCGCGAAACATCGATGTCGCGGTCCAGCCG GAGGGTTGCCGCCTCGCCGCAAAAGCCTGCGCCACTTCCCCTTTCGGCGTGATGATTTC GGACACTTCGGCGGTCAGCCCGTTCGGTTCGATGCGGACGGTTTGCCCGACGGCGACCGA ACCGCGTTCGATGCGCCCCTGATAGCCTCGGAAATCATCGGCCTTGTCGGCATCTTGGCG GACGACCAGTTGCACGGGGAAATAAAAATCGTCGGCGGTGCGGCTGACTTCGTCCGCCCC CGGCAGGGTTTCCAAAATGGACAATAAGGGTTCGCCTTTATACCAAGGCATATTGCCGCC GGGGTAAACAATGTTGTCGCCCAAGAGTGCGGACATCGGTACGAAATGCGCGTCTTTCAA ACCGAGCTGTTCGGCAAGTCGGCGGTATGCCTCCACAATGGCGTTGAATTTGTCTTCGCT GTAATCCAGCAGGTCCATTTTGTTGACCGCCACCACAATATGCGGGCAGTTGAGTTGGCG GAGGATGGCGGAATGGCGTTTGGTCTGCGGCAGAAGCTGCAAGGGCTGCGCGCCGAAATC CAGTTGGGATGCGTCAACCAGCACGACTGCCGCCGAAGCGGTGCTTGCGCCCGTAACCAT ATTGCGCGTGTATTGTTCGTGCCCCGGCGTGTCGGCGATGATGAATTTCCGTTTCGCCGT GGAAAAATAGCGGTATGCCACATCGATCGTAATGCCCTGTTCGCGTTCGGCTTCCAGTCC GTCGGTCAGGATGGAGAAGTCTATGGCTTCTTTCAAACCTTTGCTTTTGCCGGATTCCAA GGTTTTGATTTGGTCGGACAGCAGGGCTTTGCTGTCGTAGAGCAGTCGTCCGATCAGGGT GCTTTTGCCGTCATCGACGCTGCCGGCGGTAATGAAGCGGAGCGGGGTTTGGTGTTGTGC CGTCATATTTTCTTCCTCATATCTGCTTAAAGGGTTTTTGAAATTTAGAAATAGCCTTCT TTTTTGCGTTTTTCCATTGCCGCCTCGCTTGCCTGATCGTCCAGCCGGGTCGCGCTGCGT TCGGAAATGTCGGCAACCGCTGTTTCTCTGATAATCTCCGTCGGCGTGGACGCGGTGCTT TCTACCGGGCAGGTGCAGCTGATGTCGCCGACGGTGCGGAAGCGGACATCAAGGATTTCG GAGGTTTCAGACGGCATTTTCGGGGTGAGCGGCGTTACAGGGACCAGCAGCCCCCTGCGT CTGACCACTTCGCGCCTGTGGCTGTAATAAATCGGCGGCAGCTCGAGGTTTTCGCGGGGCG ATGTATTGCCAGATGTCGAGTTCCGTCCAGTTGGAAATCGGGAAGACGCGCATATTTTCG CCTTTGTGCAGCCTGGTGTTGTACAGCGACCACAGCTCGGGGCGTTGCGCCTTCGGATCC CATTGTCCGAACTCGTCGCGGAACGAGAAAATCCGTTCTTTGGCGCGGGCTTTTTCTTCG TCGCGCCGCGCCCCCATAAGCGCGTCGAAGCCGTTTGCCTCGATGGTTTCCAACAAG GTAACCGCCTGTGCCGCATTGCGCGAATCGGTTTCTTTGCGTAAGACCACCGTGCCTTTG GCAATGGAGTCTTCCACGCGCCCCACTATCAGGCGGGCATTGAGTTTTGCCGCCTGCGCG TCGCGGAAGGCAATCACTTCGGGGTAGTTGTGTCCCGTGTCGATATGCACCAGCGGGAAG GGCAGTTTCACCGGCCGGCTGCCCAGCCGGAAGGCTTTGCAGGCGAGGGCGAGCAGGACC ACGGAATCTTTGCCGCCGGAAAAGAGCAGGGGGGGTTTTCGCATTCTGCCGCCACTTCG CGGATGATGTGGATTCGGATTCCAACCAGTCGAGTTGGGCGTTGTTCGGTTCGGTT TTCGTCATACCATATTCCTTATTTCTTCTGTCTGATATTTATGAATTATTTGTGCAGCCC GCATTCTTTGCTGTTTCTGCCTTCCCACCACCGCCCGGCGCGCGGATGTCTTCGCCCGC CTTGACGGGGCGGGTGCAGGGTCGCAGCCTATGCTGGGAAATCCTTGCCGGTACAAATC **GTTGTAAGGCACATTGTTGGCGAGGATGTATGCCCACACGTCGTGTTCCGACCAGTCGAA** AATCGGGTTGTATTTGCCGATGCCCCGTCCGGCATCGTATTCGGCAAACGGCAGTTCCGT GCGTGTGGCGGATTGTTCGCGGCGTTGCCCGGTAAGCCAGGCGTCCGCGCCTGCAATGGC GCGGTTGAGCGGTTCGGTTTTTCGGATGCGGCAGCATTCGCGGCGCGCTTCAACGCTGTC GTAAAAGGCAAACCTGCCTTTGCTTTCCACATAACGGTCGGCATCTTCTCGAACCGGCCG GARACGCTTTATCCGCARATGGGGATATGCGCGTCCGAGCCTGTCCAGCAGGTTCAGGGT TTCCGTGTGGAGCAGCCCCGTATCCAAGGTAAAAATGCCGATATTGAGGTTTTCGCCGGC GATAAGGTCGGTAATCACCATATCTTCTGCCGCAAGGCTGCTGGCAAACCGTGCATCCCG **GTGGCTGCCGACAATCCGGTGCAGGCGTTGTTTGAGGGTTTCCGTTTTTTCCGCAAGGGC** GGTTTCGCCGCCGGATCCGATATGCGGTATCTGCCACAGGGCGGGTTTGAACAGTGTCGT TTCCATTTTTCCCGCCTTATGCCGCCCGTTGTCCGGCATTCAGTCCGCCCAATGCGGGAT ACGTCTGCCCGACCCGGTTTTCTCCTTCGCCGTTTTCACCGAACCAGGCGAGTTTTTCGT GCAGCCCCACCACTTCGCCTATGACAATCAATGCCGGATTCGGCGCGGTTTCGGCGAGTT CGGCAAGGTTGGCGAGCGTGCCGGTTGCGGTTTTTTGAGCCGGCAGCGTGCCTTGGCTGA TAACGGCTGCCGGCGTGTCGGCGAGCGTCCGTGCTGTTGCAGCCGTTCGGCAATCAGGG **ATTCGATGTCGGGCGCATCCGCCTTGCGGTGGCCGGTTACGAAAACCGCACTTTGGGCAT**

AATCGCGGTGCGTGAGCGGGATGCCGGCATAGGCGGTCGCCGCACGGCGGCGGTAATGC CGGGGACGACCGAAAACGGAATCTGATGGCGTGCCAAGGTTTCCAATTCTTCGCCGCCGC GCCTGACCATAAGCGCATTGGTGTCCTCTTGCGGGGTGCGCTCGCCCCGGGCGCGCTTGC CGACAAAAATCCGTTCCGCATCGCGGCGGACGAGGGACAGTATGCCGTCTGAAACCAGCG CGTCGTAAAGCACCACGTCTGCCTGCTGGATTTCCTGCAGCCCTTTGAGCGTCAGCAGCC CCGCATCGCCGGGACCCGCCCGACCAGCGAGACGGAGCCGCCTTGATCATTTTGACGAC TTTGTTCCAATTGGCCTGCCAATTCCCGTTCGGCAAGGGTGTTTTGCCGGTTTTTGACGA GGGCGGCGAAACGTCCGTTAAACTGCTTTTCCCAAAAGCGGCGGCGTTCGGTAACGGATT TCAGTTTGCCCTTGACGGCATCGCGCCACCTTCCTGAAATTTCCGCCATATCGCCCAAAG ACGGCGGCAGCAGGGCTTCCAGCCTTTCACGCAGCAGTCGGGCGAGGACGGGGGGGCGCGCTGC CGGAGCTGGAAACGGCAATCTGAACCGGGTTGCGGTCGATAACCGACGGGAAGATGAAGC TGCAATGGTCGCGGTCGTCCACCACGTTGACCGGCTTTTGGCAGCTTTCGGCAAGATGGA AAACGCGCCGGTTGAGGGCTTGGTCGCTGCTTGCCGCAATGATGAGGAAAACCGTGCGGA TGTGTTCGGCACGAAATTCTTCGGCAAGCCACAGGATTTTGTTTTCCGCCGCCAACGCGG GGTTGGCGAAAATAGGGAAATAATTCACTGGCTGACTCCTTTGCTGTTTGCCCGCACCTT GTTTCCGATACGGTGCGTCGCGGCATTTTTGTCGGAATGCGGGTCATTTTAGACAAAAGG ATTTTCCCCGGTTAAATAATAAAAAGGTATTTGTTAGAAGCTGAAAGCTATATGGGGGGCG GCTGCGGATGCGGCGGTTTTCCGTTTTATAACGGTTTCGGAAGAAAAACGGCCTGAAGCC GTTTCGGGCATTCAGACCGTTTGCGTGGTGAGGGGGATGCCGTCCGAAGGGCGAAAAGGGC TTCAGACGGCATTGATGTCGGGTTTCAGGACAGGAGCAGGATGGCGGCTGCGGCAAGCGA GGCAACCGATAATGCGGCGGCAAGCGCGGCTTTGCCTGCAAAGCGGATTGAGGTTTTGCC TTCGATGTATTTGAAGCCGGTTATCATCGGGAGGATGAGGTTTTTCTTTTTGAATACGCG GTATGCGGCGACGGCGATGTGGATTGCAGAAAAAACGGCGAGCAGCTTGAAAAAGTT GAGGTGGATTTTCCGCATAAGGCTGCCCGTATGTTCGGAAACCAAATGGTTGAGGTAGCC GTTGGTGCTGAAGGTGTTTTCATCGGCGGCAAAAAGCCCGGTGCCGACTTGGAAGGACAC GGCGGCCAAAAGCGCAACGACCATCAGTGCGCCCAAGGGGTTGTGTCCGGGCTGGATGTG AAAACGGGCGGTATCGCTGCCCCAAATGCCCCAGCAGAGGCGAAATACGAGCAGGAAAAAG GACGAACAGCCCGACGCGCGTGTGCCATTGCAGCATATCGCCGCCGGCTTTCGCGCTATA CCACATAAAGGGCAGGGACGCGGCAAGCAGCCAGTGGAAAAAGGCGGGTGGGGAGGTCCCA TTATTTTAACCGATTGGAGGGGCAATGTTTCCCGTTTTTCATCTTTCAGGCGAGAGCCGC CGCCAGATGCTTCAGACGGCATTGCGTTTTCCCCCATGTTTTCAAAGCCCGTGCGGAAGAT TCGCACAAAGGGACTTTCGGCACGCTCGCCGTAGTCGGCGGATCGGCAGGGATGAGCGGC GCGCCCGTATTGGCGGCATCGGCGGCAATGTATCTCGGCTGCGGCAAAGTGTGGGCGGGT TTCAATCAGGATACGCTACCTTTTGCCGTTATTGCCGGTTTTCCCGAGATTATGCTGGAT ACGCCGGACAGTTTGGCCAAACGTCAAGATATAAACGCCTGGGTTGTCGGTTGTGGATTG GGTACAGGTAGGGCGGCGGTCGGAACGCTTGCCGGAATTTTTGACGGAACACACGGACAAG CCCGTCGTTTTGGATGCGGATGCGCTGAACATATTATCAACCGATGCCGAAACCCGAAAT CTGGCGCGCGGGTGTAAAAACCTGATTTTAACGCCACACCCCGCCGAAGCCGCGCGCCTG CTTGGAACGACGGTTGCGCAGGTTCAGGCGGATCGGACGGCGGCAGTGAGGAAGATAGGG GCAATTTTCGGCGCAACCGTGGTTTTAAAGGGGCACAAAACATTGGTTGCCTCACCCGAT ACGGAAATCTATGTCAACGAAAGCGGCAACGCGGGATTGGCAACGGCGGCAGTGGCGAC GTATTGGGCGGCATCATCGGCAGTCTGCTCGCACAGGGCGTGCCGGTTTTTGAAGCCGCC GCGGCAGGGCTGTTGGCAGGGGAAATCGCTCCGGCGGCAAGGTGGCTGCGCAACCGGATA ACTAAAAGTATGTAAGAAGATATAGTGGATTAACAAAAACCAGTACATCGTTGCCTCGCC TTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACT ATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATACCGTC TGAAAGGCAAGGGCTTCAGACGGCATCTTCATTTCCCAAATACTGTCCGGTAAAGCGTGG ACATCGCCATCATCGCCCACGTCGACCACGGCAAAACCACATTGGTCGACCAACTGCTGC GCCAATCCGGCACATTCCGCGCCAACCAGCAGGTTGACGAGCGCGTGATGGACAGCAACG ACCTTGAAAAAGAACGCGGCATCACCATCCTCGCCAAAAACACCGCCATCGATTACGAAG GCTACCACATCAATATCGTCGACACGCCGGGACACGCCGACTTCGGCGGCGAAGTAGAGC GCGTTTTGGGGATGGTGGACTGCGTCGTCTTGTTGGTGGACGCGCAGGAAGGCCCGATGC CGCAAACCCGTTTCGTGACCAAAAAAGCCTTGGCTTTGGGGCTGAAACCGATTGTCGTCA TCAACAAAATCGACAAGCCGTCCGCTCGTCCGAGCTGGGTTATCGACCAAACTTTCGAGC TGTTCGACAACTTGGGCGCGACCGACGAGCAGTTGGATTTCCCGATTGTTTACGCTTCAG GGTTGAGCGGTTTCGCCAAATTGGAAGAAACCGACGAGAGCAACGACATGCGTCCGCTGT TCGATACTATCTTAAAATATACGCCTGCACCGAGCGCAGCGCGGACGAAACGCTGCAAC TGCAAATTTCCCAACTCGACTACGACAACTACACCGGCCGCCTCGGTATCGGTCGTATCT TGAACGGACGCATCAAACCCGGCCAAACCGTTGCCGTCATGAACCACGATCAGCAAATCG CCCAAGGCCGCATCAACCAGCTTTTGGGTTTCAAAGGTTTTGGAACGCGTGCCGCTTGAAG AAGCCGAAGCCGGCGACATCGTGATTATTTCCGGTATCGAAGACATCGGTATCGGCGTAA CCATCACCGACAAAGACAATCCCAAAGGCCTACCGATGTTGAGCGTGGACGAACCGACGC TGACGATGGACTTTATGGTCAACACCAGCCGGTGCGGGGTACGGAAGGCAAATTCGTAA CCAGCCGCCAAATCCGCGACCGCCTGCAAAAAGAATTGCTGACCAACGTCGCCCTGCGCG TGGAAGATACCGCCGATGCCGACGTGTTCCGCGTATCCGGGCGCGGCGAGCTGCACCTGA CCATTTTGCTGGAAAACATGCGCCGCGAAGGCTACGAACTCGCCGTCGGCAAACCGCGCG TCGTGTACCGCGACATCGACGGTCAAAAATGCGAACCGTATGAAAACCTGACCGTGGATG TACCCGACGACAACCAAGGCGCGGTAATGGAAGAACTCGGCCGCCGCCGTGGCGAACTGA

CTAATATGGAAAGCGACGGCAACGGACGCACCCGCCTCGAATACCATATTCCAGCGCGCG GCTTGATCGGTTTCCAAGGCGAATTTATGACCCTGACGCGCGGGGTCGGGCTGATGAGCC ACGTGTTCGACGATTACGCGCCCGTCAAACCCGATATGCCCGGCCGCCACAACGGCGTGC TGGTGTCCCAAGAGCAGGCGAGGCAGTCGCTTACGCCTTGTGGAATCTGGAAGACCGCG GCCGTATGTTCGTATCGCCCAACGACAAAATCTACGAAGGCATGATTATCGGCATCCACA GTCGCGACAACGATTTGGTGGTCAACCCGCTCAAAGGCAAAAAACTTACCAACATCCGTG CCAGCGGTACCGACGAAGCCGTTCGCCTGACCACGCCAATCAAGCTGACGCTGGAAGGTG GCAAGCGTTACTTGAGCGAATTGGAACGCCGCCGCCACTTTAAAAAGCTGGATTGATGTT TACTGGATTAATGTTTAAATGATACGCGATGCCGTCTGAAAAATTTCAGACGGCATTTTT TATTCGGACGGCTTTGCGGCTTCTTGAAGCTGTTTCAGACGGCGTTTTTCCTACCCAAT CAAGAAACTGCCGCCATTTTTCCAGCGGTATATCGCCCCGTCGCGTTTCGGTATCGGGTT CGGCTTCCCGGCAGCATGTCGAACAATGCCGTTTGAAGGAATACGCCTTTTGAGTCCTTA CAGGCTGAGGAAGAGGGTAAAACATACCGCAAAAACATACCACAAAAAACGGTAACGGATA GTTGTAAGCGGTTGATGACGATTATAGACAATAACGGGTTTTCCCAATGAAATTATTGTT TGAATAATAAAAATCCCAAACCGTAAAAGTTTGGGATTTGTATTTGGCAGAGAGGAAGG GATTCGAACCCTCGATACGCTATTCACGTATACACGCTTTCCAGGCGTGCGACTTAAACC ACTCATCCACCTCTCTAATGGCGGAAATTATCCCAATCGGGATAATTTATTATTTGGTGC CCGGGAGAAGACTCGAACTTCCACACCCATGAGGATACCAGCACCTGAAGCTGGCGCGTC TACCAATTCCGCCACCCGGGCAATCTAAATATTGAAATAAAGCAAAGCATTTGATTTGGT GCCCGGGAGAAGACTCCACACCCGTGAGGATACTAGCACCTGAAGCTAGCGCG TCTACCAATTCCGCCACCCGGGCTTTGCTTTATTTGCTGTTTTTGCGGTACAGTGTCCTGC CGCAAAGAAGTCGCTATTATATAGTTCATAAAGAGAATGTCAACAGTCCAAATGAATAAA AATATTAAATCTTTAAATTTACGGGAAAAAGACCCGTTTTTAAGTCGTGAAAAACAGCGT TATGAACATCCTTTGCCCAGTCGGGAATGGATAATCGAATTGTTGGAGCGCAAAGGTGTG CCTTCAAAAATCGAATCGCTTGCGCGCGAGCTGTCGATTACGGAAGACGAGTATGTCTTT TTTGAACGCCGTCTGAAGGCGATGGCGCGGGACGGTCAGGTTTTAATCAACCGTCGGGGC GCGGTTTGCGCGGCGGACAAATTGGATTTGGTCAAATGCCGCGTCGAGGCGCATAAGGAC GGTTTCGGTTTTGCCGTGCCGCTCACGCCCGCCAAAGACGGTGATTTTGTTTTGTATGAA CGCCAGATGCGCGGCATTATGCACGGCGATATTGTCACTGTTCGTCCTGCCGGCATGGAC CGTAGGGGCCGCCGAAGGGACAGTTCTGGATATTGTCGAACGCGCGCAAAGCAAAGTG GTCGGCCGTTTCTATATGGATAGGGGCGTGGCGATTTTGGAGCCGGAAGACAAGCGTCTG **AACCAAAGCATCGTATTGGAACCGGACGGCGTGGCGCGTTTCAAACCTGAATCCGGTCAG** ATCGAAGTTTTGGGCGATTATGCCGACAGCGGCATGGAGATTGAAATTGCCGTGCGCAAG CATCATTTGCCGCACCAATTCAGTGAAGCGTGTGCCAAAGCTGCGAAAAAAATTCCCGTC CATGTACGCAAAAGCGATTTGAAAGGCCGCGTCGATTTGCGCGACCTGCCTTTGGTAACG ATAGACGGCGAAAACGGCGCGATTTCGACGACGCGGTGTTTGCCGAAAAAGTCGGACGC **AATTACCGTCTGGTCGTGGCGATTGCGGATGTCAGCCATTATGTCCGCCCTGACGATGTG** ATTGATGCAGATGCTCAAGAACGCAGTACCAGCGTATATTTCCCGCGCCGTGTGATTCCG ATGCTGCCGGAAAACCTGTCTAACGGCATTTGCTCGCTCAATCCCGATGTCGAGCGTTTG TGTATGGTGTGCGATATGGTCGTTACCTATGCGGGCAATATCAAAGAATACCGCTTCTAC CCCGCCGTAATGCGCTCTCATGCCCGCCTGACCTACAACCAAGTTTGGAAATGGATTTCA GACGGCATCGACCATCCGTACAAAGCCCAAATCGACACCCTTTACAAACTCTTCAAAATC CTTCAGAAAAAGCGTTTCGAACGCGGCGCGGTGGAGTTTGAAAGCGTCGAAACCCAGATG ATTTCGATGACAACGGCAAAATCGAAAAATCGTCCCCGTTGTCCGCAACGATGCCCAC **AAGCTGATTGAAGAATGTATGCTGGCGGCGAATGTTTGCGCAGCGGATTTCCTGTTGAAA** AACAAGCATACGGCTTTGTTCCGCAACCATTTGGGCCCCACGCCCGAAAAACTCGCCACC CTGCGCGAGCAGCTCGGTCTGTTGGGGGCTTCAACTTGGCGGCGGCGACAACCCGTCGCCG AAAGACTATGCCGCGCTTGTCGAACAATTCAAAGGCAGACCTGATGCCGAATTGCTGCAA GTCATGATGTTGCGCTCCATGCAGCAGGCGGTTTACGAACCGCATTGCGACGGACACTTT GGTCTTGCCTACGAAGCATACGCCCACTTCACCTCGCCCATCCGCCGCTATCCCGACCTG TGGCAGGCTTTGGGCGTGCATACCTCGTTCTGTGAGCGCCGTGCCGACGACGCCAGCCGC GACGTGGAAAACTGGCTGAAAACCTATTATATGCGCGATAAGGTCGGCGAAGTATTCGAA GGTAAAATCTCCGGCATGACCAGTTTTGGTATCTTTGTAACACTGGACGGCATCCACATT GACGGCTTGGTGCATATCAGCGATTTGGGCGAAGACTATTTCAACTTCCGCCCCGAAATC ATGGCAATCGAAGGCGAACGCAGCGGCATCCGTTTCAACATGGGGGACAGGGTTGCCGTC CGGGTCGCCCGTGCCGATTTGGATGACGGAAAAATCGATTTTGTCCTGATTGCCGGGGGG AGCGGCAGGGGGGGAAAGTTAAATCATCCGCGTCTGCCAAACCGGCAGGGACGGCGGGG AGGGGCGCGTCTGCCGCCGCAGAATCGAGGAAAAAGGCAAAGAAACCGGTTCCGATTAAG GTAAAAAAACGGAAAGGCAAATCATAATGCTGACGGGGTGGCTTGAGGAGGCGGGGCATA ATTGAAACGCCCGTATTGAAAGATTGCGTTTATTTCCACCGCCGTTTTAAAGGCCGGCGG TATTCGGCAGACGGGGCGCAAACGGCGTTCAGACGGCATTTTCATTCTTTCGGCGTGTCC GTCCGAATTGCTTTGCCCGTCCGCGCAATCAGCCCGTGCGGCTTGCCTTGAACGGACAAA **AAATGCCGTCTGAAACCCGAAAATCAGGTTTCAGACGCCATTTTTCCTTGAAAAGGCTGT** TCAAATCAGCGATGGTAGTTCGGTGCTTCTTTGGTAATTTGAACGTCGTGAACGTGCGAT TCGCTCATACCTGCGGAAGTGATTTCCACAAATTCTGCTTTTTCGTGCATTTCGGCAATA TTGGCGCAACCCAAATACCCCATGCTGGAGCGCAGTCCGCCGGTCAGTTGGTGGATGATG TTCACAATCGGGCCTTTGTAAGGAACGCGGCCTTCGATGCCTTCGGGGACGTATTTGTCG GTGCTGTCGGTTTTGTCTTGGAAGTAGCGGTCGGCAGAACCTTGGCTCATCGCGCCCAAG GAACCCATACCGCGATAGGATTTGTATGAGCGGCCTTGGTAGAGTTCGATTTCGCCCGGC GCTTCTTCCGTGCCTGCAAACATACCGCCGAGCATGACGCTGTACGCGCCTGCGGCGAGG

GCTTTGGCGATGTCGCCGGAGAAGCGGATGCCGCCATCGGCAATCAGCGGAACGCCCGTG CCTTTGAGGGCTTCGGCAACGTTGTGAATGGCGGTCAGTTGCGGCACGCCGACACCTGCC ACGATACGGGTGGTGCAAATCGATCCCGGACCGATACCGACTTTGACGGCATCCGCGCCG GCGGCGACCAAATCCAAAGCGGCTTTGGCAGTGGCGATGTTGCCGCCGATGACTTGGATG TGCGGATAGGTTTCTTTGACCCAACGCACGCGGTCGATCACGCCTTGGCTGTGCCCGTGG GCGGTATCGACGACAATCACGTCCACGCCGGCCTCAACCAAGGCTTTGACGCGCTCTTCG GTGTCGCCGCCGGTGCCGACTGCCGCACCGACGCGCAGACGGCCTTCGGAGTCTTTGTTG GCATTGGGAAACTCGGTGGTTTTTAAAATATCTTTGACGGTAATCAGACCTTTGAGTTCG TCTTTTCGTTCAGAACCAAAACGCGCTCGACTTTGTGCGTGTGCATCAGTTCGCGCGCT TCGTCTATGCTTGTGCCTTCGGGGACGGTAACCAGACGTTCGCGCGGGGTCATAATGGCG TCCAAGACTTCGCGGATGAGCGTTGTCGGTGCAACGGTTACGGGGTCTTTGACCACGCCG CTTTCGTGGCGTTTCACTTTGGAAACGGCGCGCGCCTGCATTTCGGGCGGCATGTTTTTA TGGATGATGCCGATGCCGCCTTCTTGTGCCATCGAAATGGCGAGGCGCGCCTCGGTAACA GTGTCCATCGCGGCGGAAAGCAGGGGGAGGTTGAGTGTGATTTCGCGGGTGAGCTTGGTT TGAAGTTTAACGTCTCGCGGCAGCACGGTCGAATGTGCGGGAACCAACAAAACATCGTCG AAAGTATAGGCTTTTTCTACGATACGCATAATGCTCGGTCTTTCAGTTTGTGCAAGATGC ACGGCATTATAGCACGTTACCGGCGGCTTGACAGTTTATCAGGTTTAATTTTGGTCCCCT TTGAATAGCTCGGTTTTCCTTTGCCGACCACTGTTGCTCCCGTTCTTTCAATTTCAGGAA AAGCTTTTTCTAATTTTTGGTAAGTGGCTCAGTTATTGAAGCCCTATATCGGGCGGTAA CTTCCAGCACAAAAAACGGAGTAGTTCTTTATTTATTTTTCCTTTAATTTTCAGTATA TTATCTTAATATTTCGAGGGTAACATATCTGCTAATCTAGTTACAGCCCCATATATTATA GATTCAATTGAAAAATAACAGATTCAACTGTACCTTTCTTATACCTGATTTCTTTAAAGT TTTTCCCATTGTCAAAACTATAAAAAAGTCTCTCTTCCTCACCAGAATATCCCATTTCTA ATACTAAACAATCTATTTCACAATTACCCCCTCCACTCATATATGTAGTATCAATAGAAA **ATATATTGCATAATTCCAGAGAATTATATTTATCTATATCAAATAGTTGCTCTCCAAAAT** CTAAACCATTGTTTCCACCTGCATAATACTTCTCTTCAAAGGATGACTTCAAACTATTAA TTATTATCTGAATTTTTCCATAAATAAAACCATTACATTCAGAGTTTTCTTCCCATAAAA TCCCAAATTTTCTTGTTGAGTCCATAATAATATTCATATAAATCCTTATATTAATAAATT ATTTACAATATCCCCCGCTTTCAGACGGCATACGGCGTGGCGGCGGAATGCCGTCTGAAG GCGGGCGTTATGATAATTGTTCCAGCAGCGTCTGCTTCAATGAGGACTGGATTTTTGGGT TTTTCAGGTCGGGGCTAAAACGGTAAAACTGTCTTCGGCGCGTTCATCCAGTGTGGAGA TTTTGGCATAGCGCAGGCTGACGTTGTGGGCGAAAAAGACTTCCGCCATATCGGCGAGCA GGAAGGGCGGTTGACGGCGGTGATTTCGACGGAATACCAGTCGGGATAGTCTTCTTCGG GGGTGATGGTGATGCTCGGTGCGATCGGCATATAGCGGCTGCGGCGGCTGATGCGGCGGC TGCGGCTTTGGGTTTCGGCAACGGTGTGTCCGTGGATAAAGCTGTTGAGTTCGGCTTCGA GCGCGCTTTGGATGTCGGGGTAGTCTTCGGGGGGCGTGCTGCGAGGGGATTTGCACGATGA CGTGGCGGCTGAAGATGCGGCAGAGGCGGGCGAACAGGCGCGGGCCGTTGGGCATGAAAA CCATGACTTGAAAGCTGTCGCTTTTGGGCAGGATGCGGCTTGCGGACGATGGGGGTTTCAA TGAGTAAGTCGGCGGCTTCCTGCCGGCGGCGGCCGAAGAGGGTGTGCGGGTTGCCGCCGT TGCCTGTAAGGTAGCGTCCGGCGGCATGGAAGAGGCTTTCCAGCAGGCTGGCGCCCATG CGTTCCACAGCTTGGGATTGGTGCCGCGTATGTCGGAAATGGTCAGAAGGTAGAGCGCGC TGAGGCGTTCGTGGGTTTGCACGCGTTTGCAGAAGGCATCGAGTACGCTGGGGTCTTGGA **GGTCGCTTTCTTCTCCGGTCAGGAAGTGGTCAGCGGCAAATTGGCGCGCGTCTGCGATGC** CTTGTATGGCATGGTCGCCGCCGCCTCCTTTGGCGATGTCATGGAAAAAGGCGGCAAGGT AGAGGATGTCTTGTTTTTCAAAGGACTGCATCAGTGCAGAGGCGTAGGGCAGCTCGTGGC TGTGCATATCCAAGGCAAGGCGGGGGACGTTGCGGACGACGGTGAGGATGTGGTCGTCCA CGGGATAGATGTGGAACAGGTCGTGTTGGAGCAGGCCGATGATTTTTTCCCACGCGGGCA GGTAGCGGCCCAACACGCCGTAGAGGTTGAGAAAGCGCAGGGTCTGGGTCAGCCCGTTGC CGTTGCGGAAAAACCGGCGAAGCGGCGGCGGTTTTCGGGATTTTGGTAGAAGCTGCGGT TGATTTTGCGCGTCGCCCCCACCAGGCGCGCAGGGTTTGCGGTTCGAGCGCGGTAATGT CGTTGCGCTGCATGATTTCGACGATTTTGAAAATGTGTTCGGGCCGTCTGAAAAAAA TATCGGTGTGCCGCGCGCGATTTGGTTGTTGACTTGGATGTAGTCGTCGTCAATCCGCA GGGTAACGCGCAACGGGGTGGAGGAAACGCGGCTTTGCAGCATAGGCGTGAGGATGCCGC CCAGTTGTTTGACGGTTTTAATCGCGCGGTAAAACACGCGCATCAGTTCTTCGCTTTGGC GGCGGAGGTTCAAGCCTTCATAACCCATGCTTTCGGCGACTTGCGGCTGCAAATCGAACA GGCGGTAGCCGTGCGAAAGCATACCGGCTTCGGCACGCGTCAAAATCCGCTGTTTGAGCA GGTCGGGCAGGTCGCCAAGCCTTGCGCCTTCGCTATCCAAAGCAGGGTGTGGATAT CGCGCAGACCGCCCGGACAGCTTTTGATATTCGGCTCCAATACTGCCCCCGAACCTTGCG ATTTGGCGTGGCGGTGTTCCATCTCCACCAGTTTTGCCTCGACAAACGCCGCCACATTGC TAGCCTCTAAAAACGCTGTGTCCCCCGTAATATCATTGCGCACGCTTTCACATAGTTCAT CAACGCTGCCGCTTTTTACAGACGGCATCAGTTTGCAGTCCCACAGGGTTTGAACAAACC CATCCGAACAGGGATACAGTTCGCCGCGTCCGAAGCCGCCTACCGCCATCAGGCATAACG CGCTGTTTTGAAAATACTCTGCCCACAATGCCGCCAGTAAGGTTTCGACTGCCGCCGTGT ATTCTCTGAAAAATACCGACACGCGGTTGGGTTTCAAATAATGCGCTTCGGCGGCATCGC GCTGCTGTTTGAAGGTTTCCAGTGCTGAAGACAGGTTTGCAGGCATTTTTATTCTTTCGA

TTGGCGGGAAAAAGGGAGGCGGATGGTTCGGCGGTCAAATACCGCTTTCAGACGGCATTT GTCGGGTATCGCCGAATTGGTCATCAGCTTCAACCGTTCCTGCGGCGGCAGCAGCAACT GATACGCCGCCACGCCCAAAGCCGCCGCCATTTTTTCGATATTCGACAGGGCGATGTTCC AGCGTTTGCGCTCGACTGCCGACACATAAGTCCTGTCCAAACCGCATTGCCGCGCCAATT CTTCTTGCGACCAACCCTTGTTCACGCGGAAAAGCCGCATATTGTATGCCAATACCGCCC GCAAATCCTGTTCGTCAGGCAGTTCGGCAGGCAGAGTCAATTTGTTGCCCATCATTTGCT TCCAGATAAATGGTTAAAGTTAAGCATTTGCTGTTACGGATTTTACTTCACATAAAAGCC **AATCAAGACAGATTGGGAAACAGCAAACAAGCACCCTGAATTTCATATCGGTATTATCAA** ACAAAAACCCTTATCAGGTATTGATTCAAATCAATTTAGATTTTATTCGCAAACCGAAAA AGAAAAACGGCATATCCGTTTATACGGATATGCCGTCTGATGGTGCGGGGGACTGCTGTA TTTGGCAGTGGTTTGTGTTTTAGTCCTCTTGCGCCGCTGTTTGCAGGTAGTTCGGCAGAC CGATTTTGCCGATAAGCTCTTGCTGGGTCTCCAGCCAGTCTATATGTTCTTCGTTGGTGT CTTTTTGTTTTTCCAACAAATCGCGGCTGACGTAATCCTGTTGCGCTTCTGCTGTGGCGA TGGCGGCAAGCAGGGCTTCGTGTTTTTCCTGTTCTTTGGTCAAATCGCAGGCGATGATTT CTTCGGTGGACTCGCCAATCAGAAGCTTGCCCAGTTCTTGCAGGTTCGGCAGACCTTCGA GGAACAGAATGCGCTCGATCAAATCGTCGGCAGCTTTCATTTCAACGATGGACTGTTTGA AGAAATGTTCGCCCAGTTCTTCAAAGCCCCAGTTTTTCAAAATACGGGCGTGAAGGAAAT ATTGGTTGATGGTTACCAGCAGCAAGCCTAAGTTTTTGTTCAGCTCGCGGATAACCAAAC GGTCGCCTTTCATACGGACTCCTTTTATTCCGAATACGGATTACAGTTGGCTTTGGTAGT CTTCTTCGGTATCTTTCAGTTGGGCAACCATCAGGTCGCGCGTAACATAGTCTTGAGCCT CTTCGCACAGTTTGATGCCTTTTTTCAACGCATCACGTACTTCATATTCGGTTTGCAGGT CGGCTTTGAGGCAGGAAACCACGTCCGTGCCGATATTCAGTTCGGCGCGTGCCATTTTCG CCATCTCGTGGTTGAGACGTTCAAAAAGTTTGGTGTAGCCCCATTCGGAGTAGAGGCGGG AGTGGATAAAGTATTGGTCGCGTGCCGCCAGCTCGCCAGACAGCAATTCGTTCATATAAT CAACAACAGCTTGATTGCCTTGCATAATATCTCTCTTTTCTGTAACTTGGTTTTCGGTATG TCTGAACAGCATCTGTGTCGCTATTCGGGATGCGTGCATTGTATGCAAAAGCTGTCGGCA TGACAAATTTTCTATTTAAAATACAAACAATTATCAAAAGAAATAGGGCGTATTCCCCGA ATCTCATCCATAAAGAACATTTACACTTATTAACCATAGCAAAAAACAAATAGAGCACGG TTTTTTATCAAAATTTATAATGAATCGTTCTCATTAACCGACAGATTCTTTTGAGATTAT AGACGCTGCTTGGAGCGGCTGTCGGTTTGAAGGTGTGTTTAATGCGAAGGGCAATCTGTC GTATGATGTGTTTGCGGCAGGGGCTTTGAAGAAGCCCGGTATTTTAGGACGAAGCGCGCG GCTGCCGGGGTCAATATCCGCTATTTATTCCAAACCTTATTAAAACTTAAATTTAAAATC ATGAAGATAGAAAATATCGATATTATTTCGCCGGAACTGTTCCCGCAGGAAACATTCAAT GAAACCGAAGCATTCGGCGCTTTGGTATGGTTGTGGGCAGTTTCGCCTATTTATCAGCAT GCCGGCGTACAAGAAGCCGCCGTCAATATCTTGCCGGTATTGAAAAACGGGCAATTTGCC TTGTTCAGCAGCAACGGACACCCCGTCGCCTACTGCACTTGGGCTTATTTCGATGAAGAA **ACCGAATGGCAATATCTCCAATCCAATGATGTTCTGCGCCACTCGGAAAACTGGTGCAGT** GGAAACAGAATGTGGCTTATCAACTGGTTCGCACCTTTCGGCGACAGCCGTATGATGAAA AGAATTCTGGTGCATCTGTTTCCGAAACGTGAAATAAGGTGGCTGTACCACCGGGGGAGT GAAAAAGGAAAACGGATTATGAGGTTTCCAGCGTTGTCGAAACAATAAAACAAGGCTGCC TGAAAGTTTCCCTTCAGGCAGCCTTGTTTCAGTTCTCTCGAGGCCATTCGTATTTTTTGT TTTCGGGATAAATGTCGTCACCTACACGATACCAACCTCTTTTTCTCATGCAGGCATCTG CTTTACTTCCTCCCCCCCCCCTATTGGGTCATAGCCGCACTCTTTCCAGTCTTTTTTTC CTTAGCAAAAAGATCATCTATTTGTTTGCTATATTCTTCATAAGAATATATGCGTAAATT GATATTTTTACTCATCATTGCCGGATATTCTTGTTCTATACGGGAATACTTCCAGTATAC CGAGTCATCGGGCGGAGGTTTGAATCCCCCAAACGAACAGGCAGCCAATCCCATAGCCAA AGAGATTGATACGATATATTTCATTTTGTTTTTCCTTCTCCGAGGCCATTCGTATTTT TCTGCTTCAGACTTTCCGCCGTCTATTGGGTCATAGCCGCACTCTTGCATGTCTTTCAGT TGCCTTCGTCTTGCTTTCGATGGATATTGGTCAAGTGCCGCCGAGGCTGATCCCGGATAG GGATTGGCGTAATTTTCAATTCCCAAAATGACGCGGCGTCCCACGGATTTGGTTTAAAT CCCCCAAACGAACAGGCAGCCAATCCCATAGCCAGAGAGATTGATACGATATATTTCATT CTACACGATACCAACCTCTTTTCTCATGCAGGCATCTGCTTCACTCCCACCGCCCCCAC CTATTGGGTCATAGCCGCACTCTTTCCAGTCTTTTTTTTCTCTAGCAAAAGAATCATGCA GTTGTCTTCGTCTCTCTCAGGTGGGTATTGGTCAAGTGTCGCTGAGGTTAATCCCGGAT AAAGTTTGGCGTAATTTGTCAATCTCCAAAATGCCGAGTCATCGGGCGGAGGTTTGAATC CCCCAAACGAACAGCCAGCCAATCCCATAGCCAGAGAGATTGATACGATATATTTCATTT TGTTTTTCCTTTCGGATGTTGCAGATCATAAATGCGTACAGGACGGTACATAATTTCGAT GTCTCGATAACCATCTGTTACACATTGTTTATTAGCCATACCGTAGCAATTATGCGGCGA GGTGTAATCCCCTATAATATCCCTTATAGCCTGCCATTGGCTTTTTTTGCCGGGTATTGGT TCCGACTGTTGCCGGATTTCTGCCAATCAGCATGCCGATAAGGTCTAATTCGTGGTTTTC TATTTGGATGGACTGACGGGCGAAATCTGCCGTTCTGGGTGTCGTTACCCCCTGCTGCAG TTGAAACAGCCTTTTATCTGCCCGGACAACGTTGGCGGCAGGGCCGACCATTTTCAGTTC GGTATTGGATAAAATTTTCTTATCCCGATTGGCTTGGGTATTCAAGGTATTGAGTACATT GTCGACCACCAGGGTTCCACGGCTGTGCGAGCCGACAAACAGGCCGTTTTTATCCTTCCC GTAGTCTTCCATGATATTGCCTAAAGCCAAGCCTGAATTGCTCAAGCCGATAACGGTCTT ATTGCCTATTTTTGCCCCTTCGAGCATTTTATGAAAGGCCGCCAACGGCGATTTCGGGCAA TTTTGAAAAGCCCCGCCCATTGGTTTCCGGATTGTGCAGGAAATAAACATTTTCATAGGT

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GCGTTCATATCGGTTTTTCTCGGGATTGAAACGCCCCACATATTGTTGGGCGGCAAATTT GGCGGCTGCTTGTATATTATTGAAAATGCCGTTGACGCCGACAACGATTTTTTCAACGGT TTTGCCGGTCTCCGGGTCGGTGTAACGGGCAGTTTTCAGATTTTTCCGTTCCTGGTCGGA TACTTCGCGCAATTCGTAGATATTTCCCCCAATGGCTTTATAGGCTTCCCAATAATCTTT TTCAAGCTGCTTATCTTCAATCGGCTCGCCGTTTTCATCCATTTTAAAGGTCATCAGGCG GTGTTCTGCAATAAACTGGCTGCGGTAGGCTTCGTCTGCAATGCCGCCGATCAGCGTCTC ATTGATAAACTCTTTTGGCAACATCCCTATTGAGTTCGACTTCTTTCAGCAAGCCTTCGCG GTCTGCTTTTGCCAATGCCTTATGTGCGGATGAAGTGCCTTTTTCAATACCGGCAATATT TTTCCTGCCCTGCGCGGAAGCAATTTGCCAATCTCCCTCACTGATGACGGAGCGGGTAAT GGATTGGCGGCTTTCTGATTCTTTGGCATTGCCCAACAGATTGCCCAAACCCATTTTTGC CAAGGCGTATTTGTCGTTGCTGTGTATATCGTTTTGCTTCAAACCGAATTTCAAGCCGCC GGCGTTGTTTTGATTTAAATTTGCCTCTTTAAAGGTTTCCCCTTTTTCAATACGCTCACT TCGATATTTTTCGTTCAACTCGTCGTCTTTCGCCGAAACCTGGTCAAAACGCATCAGGCT GACCGGTTTGCCGCCGATTTTACCGATTTCTGCTTCTTTTTTGGTGGAATACTGTCCGCT GGTAGGCTTCGGGCTGTATGAAAAACCGCCGCTCAAGCCCAAGGCGGAAGCAGCCGCCGA AGCATGGTTTTGAATATCTTTATGCCAGATTTCGCTTGTTTTCAGCAGGTTTTTTGATTT GTCGGCATCTGAAACAACAGCGGCGCCGACCAATCCGGTTTTGCCGTTTACGCGAATCCG ATAGCCGTCTCCTCCTGCAAAGATACCGCTTTGCTCGTTGACGGATGCATAATCCGAGCT GCTTTTCGAGCGGTTATAGCTGCCACCGACACTAAAGCCGTAGCCTACCGTAACTTGGGC GGAAACATTTTCCTGTTTGCCTTTAAACACGGCGGTATCCTGCAAACTTTCGATATGCAG ACTCTCTGCCGTTACGCCAACGCCTTTGCCTTTAAGCTGCCCGCCTTTGATGACGGTATC GCCACCGCTTTCAATAGCGGTTTGGCTGTCTTTGCTGCCGATATGGCTGTTGCGGTAGGC GGTTTCGTCGCCGTTGCCGTAACCTTTGCCGTAGTTTGCTCCGGCTGTGAAGCCGAAACT GATGCCTTTGTTGATGGCGATGGCGACTCCGGCATTAAAGCCTGCGGATTTGTTTTCGCT GCGTTCCTGATGCGTTTGGCGGGCGGCTTCAATCTGAACGGCATTTTCTGCTTTGAGGCG TGTTCCTTTGCCGCCGTACACATCGGAGCCGGTAATCGTGATGCGGGAGTCTTTGCCTGC GCCTGAAGCAGTCAGGGAAACTTTGCCGCCGCCGGTGATTTTGCCCTCTTGCACCTGCGT GCCTTTGATGCGGCTTTCGGAGGTGTTCTTCTGTTCGCCGTAGGTAACGGAGACACTGAT GCCCTGACCGGCTGCTTTTTTGGGATTTCGGGCGGCATTATAGAGTGCCACGCCGGAATC TACTCCTTTATTCAAGGCGTTGGCAGCCATGGCATTGACCCGGCTGTTTTTGCTTTT GCCGACGGTTTGGACTGCTTTTACGGCGTCAACCGCGCCCATTACGGTATTCACAACCGG AACGCTAATGGCGACGGTTACGCCTTTTTGTTCGTAAACCTGCTTACTCTCTTGGCTGTA ACGGTTTTGTGCGGCATCGATGCTGATTTTTCCGGAGGAAATGCCGACATCGCCTTGGGG CGAGGATATGGTCGAACCGGTTTGGGTGTAATGTTTTCCTGCCGAAATCAGGGTATTGCC GTCTTTTTTGCTGCCCGCCGTAAAGCCGATGCCGCCGCTGCCCATCAGTCCGGATTTTTC TTTTTTGTTCATTTCGGCACTGCGGCTGCGTGTTTCGGCTGCTTTAAGGACGATATTGTT TTTTGCCGAGAGAATGGTATGGTTGTCTGCAATGATATTGCTGCCAGTAACGGTAATATC GCGTCCTGAAACCAGAATGATTTCTTTGCCGTCCAGCGTGCCGGATACGGCTTGTCCGTT TTGGTTCTTGAGATGGCGGGTCATCTTCTGTTTGATGCCGCCCCCGCTTCTACCGGTGTA TTTCAGGGCATCTTCGGTTTCGGTATGGGCTTTGCCGGCTTCGACTTTGATATCCCGTCC GGCTGCCAGTTTCAGACGGCCTTGTTCGCTGCCGACCTCTGCTGCACGGATACGGATGTC TCCTTTTGCATTCAGACTGAGATTGCCCCGGGTGCGGATGGTGCTGCCGACTTCGTTTTG TTCTTTGCGAATCACATAGTTGTCGGAATCAAAGATAGTGTTCTGATTGCGGGAAATGCC CGTCGTATCCGAGCGGATGTCGCCGCCGGCATTCAGTACGGTTTGACCGTCTTCAGATTG ATTGGTCAATTCGGAAGCCGTCAGGACGATATTGTTGCCTGCATCCAGCAAGACGCTTCC ATTCTGCCTGCCGGTCAGATAAATGCCTGCCACCCGGCCGATATTGCGTACCGAGCCTTG CTCATTCTGATTGCTGCGGGTCTCGCTGCGGCTTTCTATATTGTTACTCGCTTTGAGCAG GATGTTTTTGCCCTGCAAATCACCTTGCAGATTTTTAATATTCTGTGCGTTTAAAATTAG TGCTTCGCGCCCGGCAATTAAGCCGCCCCGGTTTTCAATGGCGCCGCTGCCGATATCAAC AACGCTGCCGGACAGCAACGCCCCTTGTCCGTTCATATCTTTGGGGCGTGCGCGGACATA GACTTTGGGTTTCAATACGGTTTGAGTTGTCCCGTCGGGCAGGGTAACGGTCTCGTTTTC CAGCCAAACAATGTCGGAAGTCAGACGGGCAACCTGTTCGGCAGACAGGGCAATACCCGG AGTAAGCTGCAATTCTTTGGCTATGGTAATGCCGTTATCCATCAAAGCCTTGAATTGCTC TTCGTCATTGGTATAACCGTCCAAGCGGCGGTAGCCTGTCAGCTTGGCGATTTGTTCGTT TACCAGTTTCTGCTCGTAATAGCCGTCGCCCAAACGCTTGTGGATATGGTTCGGGTCTTG TTGCAGTGCGGCAAGCATATAGCCGCTGCCCAGCCATTTGCGGTAGTCGGTAAAGGCAGG GTCGGTTTCAATCAAATAGCCTTTGTTGTTTGGCGCAATGGCAAACAAGCTGCTGTTCGG CAGAGTAAATGTAGGATGGATGCCGTTTTCAGCAACAACGGGTACAACAGTGCCGGGTAT ATCAGATGCCTGTTGGGGCGCATAGCCTTTATAGGCTGAAATACCCATACGGATGGAGCT GACTTCGGGGGCCGGTTCGTAGGGAGACCGACTGTATCCCGTAGAATCCCGCCCTTTCTT GTGATGACGGTGGTAACGGTGCAAGTCCCCTTTATCGGTTATGGTTTTTGTTCCCAAAGT TTCATCATTGTCCAATGCGGATTCGGGCGTACCGACGATCAATCTGCCGCCGGCAATAAT CCGGCTGTTATGATTTTTCAGCTTGGCGGCATCTAAAACCAAATTGCCGCCACTGATGAT **GTACCAGACAGAGTGGGGGCTGCCGTCCGGAGTCCGCATATGTAAAGACTCATCTTCAAA** TATTTCCCAGCCCAACTCTTTTTGAGAACCTTCCGGATAGCGTTCTGTTCTGCCTTCCGC CTGATATTCGATACGGTGTTCGCGATGGGTTTCTTCCGTATGGAAACGCAGATGCTCATT **GGTATTCTGCAAATCTTTTGTAGCGATACGGATATTGCCTGATGATTCGATTGCCGCACT** GCGGTTGTGCAGTGATGTATTTGCTCCTTGCACCTGTCGGCTTCCATTCAATGCAGAACC CATATGAAGATCGCCGGAGCTGGACAATAATGCCGCCTCTCGGTTCTCAATTTCCCGCGC TCCAATATCCAACCGCTCCCGCGCTGCAATTACCGCCGCTTTGGTTTCGCCGTTGACCGT TTCTTCCCGGTTCAACAAGGTATCTGCCTCAACTGCCACACGGCTGCCGTAAATTCTGCC

CGTGCCGGCATTGTCCGACTTGGCTTCGGTTTGCAGCAGCGTTATACCGTTGCTGTTGAT TAAACCCCTGTTGGTGATGCCGTTTTTGCCGTTTAACCCGGTGCGGTTTCCGGATTGGAT TATGATGCGGGTGTTTTTCAGACGCCTTGGGTGGAGAACGTGAGTGTGCGTCCGGCTTC AATATCGCGTTTGCCGGCAAAATCATCATGAAGAGAAACGGAAACATCGCGTGCGGCGGT TAATATGCCGTCGTTGTCCAGTGATTTTGCCTGTAAGGAAACATCTTTGCCCGCAATAAT CGTGCCGTCTGTGTTATTGATATGCAGGCTGCTTTTGCCTGTATCGCGAATATCCAGCAA ACCGGCCGAGCCGATTAAGCCTGCTTGATTATTTATGCCGTCTGAAACCTTCAATACACT GCCTTTGCCGCTGCGGATAAAGCCTTGGCGGTTATCAACGGTTTGAGCGGAAATGGTGAT TTCGGCAGCATCAATCGAACCGCTGTTGCTCAATTTGCCGTCTGCGCTTAACGTAACGCC GCCTGTTGCGGCAAAAATCCGACCCTTGTTGCGGATTACGGCGCCGTTGTCGGTGCTGAT TAAAGTGATTTTGTCTGCGTACATCCCACCCAGTGTGGCGGTGTCGATGGCAACGGTAGG AGTAACAGAATCCGAAGAAGATGGCGCAGAAGCTGTTTTGGCAAGAGAGCCGTCAAAATC CAATTTGTTCTTACCCGAAACCACCTTGACATCTTTACCCCAAACGCCCGCATTGATTTC AGCAGCACGACTAAGGATACGGGTGTAATCGGCATCAGAGGTATCCAAACCTTTGCCCCC AATCACGACTTTACCCGAAGAAACATCAAAGCCCGTCAGATTGCCGTTATTCAAAACAGG GCCCGACGGATTGGCAACGACTACTTCGGCGCGGTTTGCCGCCGACTTCGATATAACCGTT CAACAACGAAGGATTACTGCTGTCAATCTGGTTCACAATTACCCGCGCTTCGCCGCGTGC CAGATGGGGATTGCCTTGAATCCATCCACCGAGTTGCGTTTTGCGTATTGCTGCGGCTGTT GTTTAGTATTACGCCTTTTTCATCAACATCGAACTGCTTGAATCGGTTAACAGAAACGCC TTGGGATGACGGAGTTTGAATATTGACTTGCGGCAAACCGTTTGCTGTCTGAAGAATAAC GGCTTGTTGGTTTTTAGGGGCGGATTTGTCGGCAATGATGCCGGAAGCAGGGGCAGGGGA AAACGCAGCAACACCCAAAGCCAACATGACAGAAAAGGCAGCCATACGGAAACCGAAGGC TGCCCGGGCAGAAGAAACAGAAGCGGCACCGGTCACTCGAACCGAAGCCGCCTCACTATC CTGCATACTCTTGCCGTCACGATGAACATTCTCTGCTACAGCCATCATACAACTGCGTTT CTTGTTGAAGATAACCTTGTAGCATCGCTTGTTCATGATGGGTTTTCTTAAATGAAATGT AAGGAATAGTTAAGGACAAAATATAGGAAATTTGAATTAAATTGTCAATAAAAAACTGAC AGCGTACCCTGATAATCAGATGTTGTACGCTAATTGTGAGAAGTATGTCGGGATGATTAT TTTGAAGTTTTCTTTTTATTCAAAAGAGTTACTATGAAAGTTAACCGGGCGTAAATAGGC TCGCCAAATTATTATGTGGGAATTCGGCAATTTCAATAACGGCTGTTGATCCATATCTGC TCGGTCATTTAGCGTTATAAAGTCGCAAATAGCGTCAGAATTTACAAGATTATCGGATTT TGGGAATAAATTATGCCGTCTGAAGGGCTTTCAGACGGCATAGGCGGCTAACACGGGTGC GGCTTGCGCCAAACGGCGCGGCAGGGCAGGGAATCGCTTTTTACTTTGGCGCGGTGTTC CGGGTTTAATGATGCCCGCAACCGCCGTGGCTTTCCCTCAAGGCTTCCGCCGCCTGTTCG TCGGCGTGGTAGCTGGAACGTACCATCGCGCCGATGGCGGCATTGCTGAAGCCCAGTTCG TATGCTTCTTTTCAAAGATTTTGAACTGCTCGGGCGTAACGTAGCGCAGGACGGGCAGG TGTCCGTCTGAAGGCTGGAGGTACTGTCCGATGGTAATCATTTCGATATTGTGCGCCCGC ATATCGCGCATAATTTCACGCACGTCTTCGTCTGTTTCGCCCAAGCCGACCATGATGCCG GATTTGGTCGGGATGTGCGGCATCATTTCTTTATAACGTTTTAATAAGTCTAAAGAATGT TGATAATTGGCACCGGGACGGCTTTTCTGTACAGGCTCGGATGGGTTTCTAGGTTGTGG TTCATCACGTCGGGGGGTTTCGGCAAGGATTTTGAGTGCGATGTCCAAGCGTCCTCGG AAGTCGGGGACGAGGATTTCGATTTTGGTGTTCGGGCTTGGTTTCGCGGATGGCTTTGATG CAGTCGGCGAAATGCTGTGCGCCGCCGTCGCGCAGGTCGTCGCGGTCGACGGAGGTGATG ACGACGTAACGCAGGTTCATGGCTTTGACGGATTCGGCGAGGTTTCTCGGTTCGTCGGGG TCGAGCATATTGGGCCGACCGTGTCCCACGTCGCAGAACGGGCAGCGGCGGGTGCAGATG TCACCCATAATCATGAAGGTCGCCGTGCCTTTGCTGAAGCATTCGCCGATGTTGGGGCAG GAGGCTTCCTCGCAAACGGTGTGCATCTTTTGTTCGCGCAAAATGTCTTTGATTTCAAAG AATTTGCGCGATGGGAGTTTGGCGCGTATCCATTCGGGCTTTTTCAGTTTTTCCTGAAGG GGGACGACTTTGATGGGGATGCGCGCGTTTTGTCCGCGCCTCTGAGTTTGATGCCGCGT TTGGGGTCGTCGGTTTTGATTTCACTCATTGTTGTCTGCTTTCGGTGTGAATTGTGTTTC AAGGTGTGCGGTGAGTTTGGCGGCGACTTCGTCCGGCGTGGGCCAGGGTTGGACAAATC CGCGATTTGCGTCATTCCATACCGGCGTAGCCGCAGGGGTTGATGTGGGTAAACGGGCT TAAATCCATATTGACGTTGAGCGCAAGCCCGTGATAGACGGAGCCGTTTTTGATACGCAG ${\tt CCCCAGTGAGGCGATTTTGCGTTCTCCGACATAAACGCCGGGGCGTTTGGGGTCTGCCGC}$ CGCTTCGATGCCGTATTCTGCCAATGTGGCGATGATGCTGTTTTCAAGCGCGGAAACGAT GTTTCTAACACTGGTTTTGCGCCGTTTGAAATCAATCATCGTATAAACGACCAATTGCCC GGGCCCGTGATAGGTAATCTGCCCGCCCCGGTCGATTTGGACGACGGGAATGTCGTCGCG GACCCACAGTTCGTCTTCGGTGTCGGCATTCCGTCCGGCATTAAAGGTTTTCATCGCTTC AAAAGTCGGCAGATATTCGACCAAACCTTTGTGTATGATTTTCATCTCAAAGTACCACTT TGACCAGTTCGTGCGAAGTCAGCGCACGGTAGATGTTGTCCAATTGTTCTTGGTTTTCAA CCTTTACCTGTACGGTGGCGCCAGTATAGTTGCCTTTGCTGCTCGGACGCGTGGTGATGT GGTGCGCCTGCGTGTCGGGGGCGTGGAGGCGGACGGTGTCTAAAACCGCCTGCTCGAACT CGGGATGCACCGCCCCATTACTTTCAATGGGAAGGTGCAGGGAAATTCGATGAGGGATG TTTTGTTTTTTTTTGTTCGGTCATGATGTGCTGCCTTGTCGTGTACGGTATGCCGTCTGAAG GCGGGTTTGCCTTTCAGACGGCATCGGATGTGCGTTATTTTAGCCTAAACCGCGATAACA GGCTATCGGGAAGGCGGAGGCTTTTTTGACGGCGCGGGGGGTTCTGCTATACTGGCGCACA ATATTATTTTAGAAGGGTGGTTTTTATGTATCGGAGGAAAGGGCGGGGCATCAAGCCGT GGATGGGTGCCGGCGTTTGCCGCCTTGGTCTGGCTGGTTTTCGCGCTCGGCGATA GGTTGCAGAAAAAGGGTTTGAACCGTGCATCCGCTTCGATGTCTGTGATGGTGTTTTCCT .. TGATTTTGTTGTTGGCATTATTGTTGATTATCGTCCCTATGCTGGTCGGGCAGTTCAACA ATTTGGCATCGCGCCTGCCCCAATTAATCGGTTTTATGCAGAACACGCTGCTGCCGTGGT

TGAAAAATACAATCGGCGGATATGTGGAAATCGATCAGGCATCTATTATTGCGTGGCTTC AGGCGCATACGGGAGAGTTGAGCAACGCGCTTAAGGCGTGGTTTCCCGTTTTGATGAGGC AGGGCGGCAATATTGTCAGCAGTATCGGCAACCTGCTGCTGCTTCCCTTGCTGCTTTACT ATTTCCTGCTGGATTGGCAGCGGTGGTCGTGCGGCATTGCCAAACTGGTTCCGAGGCGTT TTGCCGGTGCTTATACGCGCATTACAGGCAATTTGAACGAGGTATTGGGCGAATTTTTGC GCGGGCAGCTTCTGGTAATGCTGATTATGGGCTTGGTTTACGGTTTGGGATTGGTGCTGG TCGGGCTGGATTCGGGGTTTGCCATCGGTATGCTTGCCGGTATTTTGGTGTTTTGTCCCTT ATCTCGGGGCGTTTACGGGATTGCTGCTTGCCACCGTCGCCGCCTTGCTCCAGTTCGGTT CGTGGAACGGCATCCTATCGGTTTGGGCGGTTTTTGCCGTAGGACAGTTTCTCGAAAGTT TTTTCATTACGCCGAAAATCGTGGGAGACCGTATCGGGCTGTCGCCGTTTTGGGTTATCT TTTCGCTGATGGCGTTCGGGCAGCTGATGGGCTTTGTCGGAATGTTGGCGGGATTGCCTT TGGCCGCCGTAACCTTGGTCTTGCTTCGCGAGGGCGTGCAGAAATATTTTGCCGGCAGTT TTTACCGGGGCAGGTAGGCGGTTCCGAAACATATAGTGGATTAACAAAAATCAGGACAAG GCGACGAAGCCGCAGACAGTACAAATAGGGCAACGCCGTACTGGTTTTTGTTAATCCACT AAACTGGACTTCAGACGGCATTTTCATCACGGCTTATTTGGCGGTTTTGCTGCTGTCGAT **AATTTTCATACCGGCAGAAATCAGGCTGCCGATGTCGGCAACATTGGCGGGCATAATCAG** CGTATTGCTTTCTTTGGCAAGATTGTTGAACGCAGCGACGTATTGTTCCGCAATCTTCAG ATTGACCGCATCCGCACCGCCTTGGGTTTGAAGGGCGGCGGCAATTTGACGGATGGCTTC GGCATTGGCTTCGGCAACAAGGCGCAAGGATTCCGCTTCACCTTTGGCGCGGTTGATGCG GGCGATTTTCTCGGCATTTGACGCATTGACCGCAGCCTGAGCCTCGCCTTCGGATTGTTG GATTTCGGCTTCGCGCTGACCACTGGCAAGGTTGATTTGTTCGATTTTACGACCTTCGGA TTCGGCGATACGGGCGCTTTTTCGCGTTCGGCAGTAATTTGCGCCTGCATTGAGCGAAG GATTTCTTGCGGCGGAACCAAGTCTTTAATCTCATAACGCAAAACCTTCACACCCCAAGC CCCGGCCGCCTCGTCCAAAGCCGCAACAACAGTACTGTTGATTTCGTCGCGTTCTTCAAA CGTTTTGTCCAACTCCATACGCCCGATAACGGAACGCAGCGTCGTTTGGGCAAGCTGGGT AATCGCCATAATGTAGTTGCTCGAACCGTATGAGGCGAGTTTGGGGTCGGTTACTTGGAA TACGTCTAAAGGGATTTCTTTCAGCGAATGGCGGTAGGCGACGCGGTCGATAAAGGGAAT CAAAATATTCAAACCGGCCGTCAGGGCGCGATGGAAACGCCCCAGCCTTTCGACAACGTG GACTTCCTGTTGTGGGATGACAACAAAGGATTTGAAACCGAAAACGGCGACGGCTACCAA CAAGATAATGAAAAATTCCATAATTCCTCCGAGTGTTAAGGGTGTGATAATAAGAAGG TTGCCTTCCTTGCGGACAATGAGGGCGCGAGTTCCTGGTTCAAGCTCTTCTTGCCCCGTA TTTTGAGCCTGCCAGTGCGTACCGCGATAAAAAACTTCGTAACGGTTGCCGCCTGTGTGT CGGAGGATTTCGACATATTGTCCGGCATCCAAATCCTGATATGAATCCGTTTCAACTTTT CTAACGGCGGTTTTGGCGTGTACGAACCAAATACCCAGCGCGGAAAGCAGAGCGGCGGTC AAGACGGCGGCAGGCGTACTGCCGGTCAGCCCGTAAGCAATGCCCGAACCCGCCAAAGCC GCGCTGACAACCAAAAGATAAACCGTTCCCGTCAATAATTCGATGATTAAGACGGCAACA GCGGCAACAAACCATACAGTCATACATTTCCCCACAAAGCGCGTCGTTTGACAAAATAAC GCAATATCAGCAGTATAGCCGAATTTGAAAGGATAGGGCAGATATGGACACTTGGCACGA TGCACTCGGCGGCGAAAAACAGCAGCCGTATTTTCAGGAAATTTTAAATGCAGTCAGGCA GGAACGTTTGTCGGGACAAATCATCTATCCGCCGGCGGCGGATGTGTTCAACGCATTCCG CCTGACAGCGTTCGACCGGGTCAAAGCCGTCATTCTCGGACAAGATCCGTATCACGGGGC AGGGCAGGCGCACGGTTTGGCATTTTCCGTCCGGCAGGGTATCCGCATACCGCCGTCTTT ACTCAATATCTACAAGGAGTTGGAAACCGACATCGAAGGCTTTTCCATTCCCGCGCACGG CTGTCTGACAGCGTGGGCGGAGCAGGGCGTATTGCTTCTGAACACGGTTTTGACGGTGCG TGCAGGACAGGCGCATTCGCACGCCCTTTTAGGCTGGGAACGCTTTACCGATACCGTTAT ACAAAAAGGGAGGCTGATAGACAGTCAAAATCATTTGATATTGACCGCACCGCATCCGTC TCCTCTGTCGGCATATCGCGGTTTTTTCGGCTGCCGCCATTTTTCACAGGCAAACAGCTA TTTGAGCCGGCACGGTATCGATCCGATAAACTGGAAGCTGTGAATGCCGATATAGCCGTT GCCGCCGGCGTGTTAAAATCGCGTTTGATTTGTAATTTCCATTTATTAGGCAAAACCTTA GGCGGTATGGATGCGAGCCTTTATAAAGAACTATGTGCTTACGCTATTGTTTTTAAAATA TGTTTCTGATAAGCATAAGTACGGCGGCGGCATGATTGAGCTGCACGCCGGTACGACTTT TGACGACATCGTCAAAACTCAAAAACACCGCCGACATCGGCGACCGCCTGAATAAGATTAT CGCCCAAATTGCCGAAGCCAACGACTTAAAAGGCGTGATCGACGTTACCGACTTCAACGA CGAAGACAAACTGGGTAAAGGTAAGGAGATGATCGACCGTTTGAGCAGGCTTGTCGGCAT TTTTAAAAAGCTCAACCTTTCTTCCAACCAAGCCGAAGACGACTTTGTTAGGTGATGC CTACGAATACCTGATGCGCCATTTTGCGACCGAGTCAGGCAAATCCAAAGGGCAGTTTTA CACGCCTGCCGAAGTCTCCCGCATTATGGCGAAGATTATCGGAATCAGCGCAGATTGCCG TCCAGCACCAGCGTTTATGACCCGACCTGCGGCTCGGGTTCGCTGTTGCTCAAAGCCGCC GCCCAAGCCGGCAGCCAAATCAGCCTTTACGGTCAGGAAAAAGATGTGGCAACCGCGTCC CTTGCCCGTATGAATATGATTTTGCACAACAACGAAACCGCCGAAATCAACACCGGGAAC ACCTTGTCCGATTCGTCTTTCCGTGATGAAAACGACGGGCTTAAGACCTTCGATTTTGCC GTTGCCAATCCGCCTTATCCCGCCCGAAAAAAAACGGCGATTACGCCTTTTTGCTGCATCT GCTCAAAAGCCTGAAACCAAGCGGCAAAGGTGCGATTATTCTTCCGCACGGTGTGCTGTT TCGCGGCAATGCCGAAGCGCGTATTCGCACGGAATTGCTTAACCTTGACCTTATTAAAGG CATCGACAAAGAACACGCCCAAACCGCCCAATTTGCCGAAGAGGGAACAAACCAAGTTAT CAGCGGCGGCAGCGTGTTTATGATTGACGCATCGCGCGGCTTCATTAAAGACGGCAACAA AAACCGTCTGCGTGAGCAAGACATTCACAAAATCATCGACACTTTCACAAACCTCGTTAC AGCCGTATGGTGCATTTAAGCGAAATCGCAGCACAAGATTACAACCTTAATCTGCCTCGC CGGCATACCTGCGCACGATATGGACGCATTGGAAGCCTATTGGCAAGTTTTAGGCCGTAT

GAAAAACGAGTTGTTTGCCGAACACGATGGCCACTTTACCACTATACAACGGAATCGATT GCAAATCTTTCCCACTCTCAACAGCTTAAAATCCTGCGGGATTGGTGTGGAATTTAGGGC TAATCTAGTACAGCCCCAAATTTAATCCACTATAAAATCGAAAGCAGCCAAATCAAAGCC CATATATTGGCGCACCCCGATTACGCCGCCTTCAAAGCCGGACACCTAGCAAAGTTTGCC GCGTGGCACACTCAAAACGACCTTGCCGCCATCCAACCGGGCAGGCTTATCCGGAAATGG AGCGAAAGCCTGCTGGACGCGTTCAAACCCGGCAGCCTGATTGAAGAATACGATTTCTAC CAAATCCTGACGGACTACTGGGCGGAAACCCTGCAAGACGATGTTTATCTCATCGCCCAA AACCTGACCGTCGTCTTTGAGGAAACCGAAAACGACAAAAAAAGGCAAAACCAAG CGCATCAGCAAAAAATACCGCAGCGAAGTCATCGCCCCCGAGCTGGTTGCCCGCCGCTAC TTTTCAGACGGCATCGCCAAGCTGGAAGAAAAACAAAGCGAGCTGGAACGCCTAAGCCAA GAATTGGAAAACCACATAGAAGAACACGGCGGCGAAGAGGGTGCGCTGAACGACGTATTG GATGCAAAAGGCAAACTTTCCGCCAAACTTCTGAAAACCGCATTGGAAGAAAGCGGCATA GAAGAAGGCGAACGGGCTGTTTTACAAACCACCCAAACACTGATGACGCAGGAAAAAGCC GCGAAAGACGCAGTCAAAACCCAAATCGAAGCCCTGAACCTTGCCGTATTCAAACAATTT GGCCGACTTTCCGAAGCCGAAATCAAGCAGCTTGCCGTTCAAGACAAATGGCTTGCCGAT TTACAAAGCCGAATCGAAAATCGCTTGGAAAACAGTATTCAGCAGCTTATCAGCCGCTTG AACACGCTGGAAGACCGCTACCGCAGCCCGATGGCCGAGCTTGCCCGAGAAGTGGAAAAG TGGCAAAGCAAAGTCAATGCCCACCTTGAAAATATGGGTTTTGGAGGCTGAAATGGCAGC ACAGACAGGCTATAAGGCGAGCGGGTTTTGAGACCTTTGCAAAATTCCCCAAAATCCCCT AAATTCCCACCAAGACATTTAGGGGATCGCGGTTCGGGTGTCCGCACCGCTTAATACGTC GTCGTCCACGAACTGACCCATTTGCTCGAACGCCATCGCAACGCCCGTTTTATGGCGCAT ATGGACAACTTTCTCCCAAACTGGCAAAGCATCAAACAACAGCTTAATGCCTTGGAGTTA TTTGCACAAATATATAATTTAACATAATATACATTATGCGAACTATCGGAAACAGTTGTA CGTGTCCCTGTGGTCTTTCCAAGTAGGAAAATTAAAGTATGGCCAATGCGGCTGAATGTA TAGCCCGGAGCATCCGCGTATCCGAAGGTACTGAACGACATGCCCTGCATCCCTTTCGAC ACACACAGGATATGCCGCTGCTTTTTCATCATTTCTTCTGTCAAATCCTTGGAACGGTCG ATTTGAAAACACGGCTTTACATACGCCCCAGTTCCCTTTGCAGGGCTTGAATATTTTGCT GCCTGTCCAATACATTGCTTTGTAATGCATTTATTTCTTGATGGTTGATGTTGCCGCCCT TCAATTCTGTTTCGAGAATGGAGCGTCTGCTGTTGTTTGAGGGTGCTTGTTGCGGCGGCG GCGTATTGGATTTTGCCGGCTTGGATACTGTTTTGACCGGGGCTTTATATTTGACAACCT GTCCGCCGTTTGACGGTGATGATACCGGTTCGGGCGTTTTGGGGCGGGATATAGCGTTCGC TGCTGTAGTTGCCGATTGGGGGCAAATCGGTTGAGTGGCAGCTTTTGGACGGCTTGGTGG TGTAAACGGTTTCTCCGTTGATTGTGCAGGTGTAGATTTTGGCCGCATTCGCACCCAATG GGCTTGAAATCAGGGAAAAGTTGATTAGGATTAAGAGGAGTTTTGATTTCATAATGTGCT TGATTTTCGGATAATCATTTGATTTTTTGGTATTTTTTGTAATGCTTTCTTGGCGTTTTA TTAACTGAGTTTTTTAATTTTCAGGCGGTATCCGCCTCCCTGATGGCTGCTGATTTTAGG TAAATCCGCATCGGCGCACAATCCTGCTGGGGCTGATGTATATACGCTTTTGCCATTTGA GTTGCAATGGTATACGGAGGCTTGCGCCGCCGCGCGGAAAGGGACAGGAGACCCAAGGC GGCAAAAAGTCTGATGTTTATACCGGTAAAAGGCGGTGATAACGCCCGAATTATACCGTT ATTGGCAGGCAAAGATAAGCACCCTGCCCGCGCTTCTTTATCGCTCGGCAAACTGTTTCT GGGCAAGTTGTGTTTTGACTTTTGCCAGCTCGGATAAGGTGTCCTGCAATTTTTCTTTGT TTTCCTCGAAGTAAGCTTCTTCTTGTGCTAAAAATGCTTCACATGCCGTCTGAATTTCGG AAAGCTGCGCCATTTCTTTTCGGCACGGTCTATTTTCTGCTGTATCGGCTTGCCGCGTC ${\tt GGGCTTTTCCTGACGGATTTGCGCTTCGATGCGCTTTGGTGTCTTTGCGGCTTTGGCTTT}$ GTGCGGATGCTGCGGGCGCGACGGCGGCGTTTTCCTGTGCCAAACGCCATTGGCGGTAGT CGTTCAAATCGCCGTCGAAGTTCTTCAGACGGCCTTTATCGATCAGGAGGAAGCTGTCGG TCGTGGCTTCAAGCAGGCTGCGATCGTGCGATACGACGATTAAGGCGCCTTGGAAACTTT GCAGCAGCAGGTTCGGCTTTTGCCAGATAATCATGGCAAGAGCGAGTCGGGCTTTTTCTC CGCCGGAAAATGGTTCGGTTTTCTGCAACGCCATATCGCCGACAAAATTGAAGCCTCCGA GGAAATTTCGGATTTCTTGTTCGCGTACTTCGGGAGAAAGCTGCTGAATATGCCAAACAG GGTTTTGGTCGGAGCGGATGGTATCGAGTTGGTGTTGGGCAAAATAGCCGATATTGAGTT ACAGGGTAATGTCGTGCAAAACAGTTTTGCCTTCGTAACCCAAATCTGCGTGTTCTAGCT TTAACAAAGGATTGGGCAGATGGTCGGGATGGTAAAACTCAAAGGAAAACTCGCTGTCCA GATGCGCGGGAGCGATGCGTTCGAGCTTCGCCAAAGCCTTCATGCGGCTTTGCAA CGGCTTTGGTGGCTTTGAAGCGGTCGATAAAGGATTGCAAATGTTTGATTTGCG AAAAATCGTAATTGCCGCCGTATTGCGTGAGTTTTTGCTGCGATAATTCAATGGTTTGGG TAGTTTCCGCGTTGAGAAAATCGCGGTCATGGGAAATGATGATTTGCGTGCAGGGTAAAG CAAGCAAGACCAAATCGGCGCGCAAATCAGGGCTTGCGCAAGATTCAGGCGCATACGCC AGCCGCCGGAAAAGGATTTGACGGGGCGGCTGTGTTCTTCTTGCGAAAAACCCAGCCCGT TCAACAATTTTGCCGCACGCGCGCGCGCGCGTATAAGCGTCGATTTCTTCCAATTTAGCAT GATATTCCGCCTGCTTCATGCCGTCATTTTGCGCTTCTGCCTCCAATGCCGTCTGAA AAGCCTGCAACTCGGCATCGCCCTGCAAAACGTAATCCAAAGCGGAAATATCCAAATCGG GCGTTTCTTGGGAAACGGAAGCGAGCCGCCAGTTTTTCGGAATCGAGACATCGCCGCCGT CCTGAGTGATTTCACCCTTGATTAAGGCAAACAGGCTCGATTTGCCCGTTCCGTTTTTGC

CGATCAAACCGACGCGCTGACCGGGATTGACGGTAGCGTTGGCTTTGTCGAGCAGGACTT TCAAACCGCGTTGCAGGGTGAGGTTTTTGATTTCAATCATAACGGAAACATCGTCGGGCG GGAAAAGCCCGTATTTTACCTGAAAGTCAGTGCCGATGCCGTCTGAAACGGGAAATTTAC GGCTGAAGCCAAGCCCAAGCCCTGCGCCCTTCCGAGTGCAGGAAAACCAATGTCCTGAAT GCCGAATCGGTATTCATGCATTCCACGCTGATTCCGATTCGGGAAAAATCCGCCATGATT TTGGGATGGATAAACTCCTGAGCCGCCCCGTCCCGATAATCAATATTTCCGGATAGTCA **ACAGGTTTGACGTCGGACAACAGGTTTTCCGGAGTCAGATCGGACAAGGTTCGGCATTGC** GACAGGCAGACCGAATCCTTATGTACAAGCACGGGTTTATGGAAACTTTGCCCCGCCAGC CGGATTCCGCCCGCACCGCATTCATATTCCGCAAACTGTCCGTCTATCGGATTTTCTTCA AACAACATTTTTTTACCCCGTTGCCGCATCATCTACACCGAAAGGGATGCAAAATCAGAC AAATTCATGTAGGATTGGCAGATTTCATCTGACCCGCCTGCCGATTTCAGACGGCATTTG ATTCAAAGTGCGGCACAATTATATCGGCAGCGGATATTTTCGTCTTTCAATATTTACATT TCAGTCGGCTTACAAGGAGACACAATGAAGCCAGTAAACATCGGTCTTTTAGGTTTGGGT ACGGTCGGCGGCGGTACGGCTGCCGTGTTGCGGGACAACGCGGAGGAAATTTCCCGTCGC TTGGGGCGCGAAATCCGTATTTCTGCCGTGTGCGATTTGAGTGAAGAAAAAGCCCGACAA ACCTGCCCGTCCGCAGCCTTTGTCAAAGATCCGTTCGAACTGGTCGCACGTGAAGACGTC GATGTCGTCGAATTGTTCGGCGGTACCGGCATTGCCAAAGATGCGGTGTTGAAAGCC ATTGAAAACGGCAAACACATCGTTACCGCCAACAAAAAACTGCTCGCCGAATACGGCAAC GAAATCTTCCCGCTGGCGGAAAAACAAAACGTCATCGTCCAATTTGAAGCGGCAGTAGCG GGCGGTATCCCAATCATCAAAGCCCTGCGCGAAGGTTTGGCGGCAAACAGGATTAAATCC **ATCGCCGGCATTATTAACGGCACCAGCAACTTCATCCTCTCCGAAATGCGCGAAAAAGGC** AGCGCGTTTGCCGATGTACTGAAAGAAGCGCAGGCATTGGGTTATGCCGAAGCCGATCCG **ACCTTCGACATCGAAGGCAACGATGCGGGCCATAAAATCACCATCATGAGCGCACTGGCA** TTCGGCACGCCGATGAACTTTTCCGCCTGCTACCTCGAAGGCATCAGCAAACTCGACAGC CGCGACATCAAATACGCCGAAGAACTTGGCTATCGCATCAAACTGTTGGGCATTACCCGC AAAACCGGCAAAGGCATCGAGCTGCGCGTCCACCCTACCCTGATTCCCGAAAGCCGCCTC TTGGCAAACGTCAACGGCGTGATGAACGCCGTGCGCGTCAACGCCGATATGGTTGGCGAA ACCTTATATTACGGCGCGGGCGCGCGCGCTGCTTGCCGACCGCTTCCGCCGTGGTTGCCGAT ATCATCGACATCGCCCGCCTGGTTGAAGCCGATACCGCCCACCGCGTACCGCATCTGGCG TTCCAACCCGCGCAAGTCCAAGCGCAAACCATCCTGCCTATGGACGAAATTACCAGCAGC TACTACCTGCGCGTCCAAGCCAAAGACGAACCGGGCACGCTGGGGCAAATCGCCGCGCTG ACTGCCGAAATCGTGATTCTGACCCACAGCACGGTCGAAAAACACATCAAGTCGGCAATC GCAGCCATCGAAGCACTGGATTGCGTGGAAAAACCGATTACCATGATCCGCATGGAAAGC CTGCATGACTGAGCCGAAACACGAAATGCTGACGAAAGAGCAGGTTGCCGCGCGCAAAAA AGCAAAAGCCAAAATCCGCACCATCCGCATTTGGGCGTGGGTCATTTTGGCGTTGCTCGC TTTAACCGCCCTGCTCTCCCAATGCGCGATGTCCAAACCGCAGGCAAAACAGAAAATTGT CGAGTCTTGCGTGAAGAATATTCCGTTTGCCGAAAAATGGCAAAACGATTTGCGGGCCCG GCCTTTGGACAGATTGAGCGAGAAACAGATTAGATCCTTCGGCAAACTCGGCGCACAAGA ACAGCTTGACCTGCTCGGCGGCGCAAATGCCTTTGAAGCACGTGACAAGCAGTGTTTGC CGATTTGAAATCAGAATAATGTGGACCGATAAAAAAGCCGATTCTTTAAAGAATCGGCTT TTTTCATAAAAAACGGCTTACAGTGCGTCTTTCAAAGCTTTGCCGGCGCGGAATTTAGGC GTTTTGGCGGCGCAATGGTCAGAGGCTCGCCGGTTTTGGGGGTTGCGGCCTTGGCGTTCC GCACGTTCGCCCACGTAGAAAGTACCGAAACCGACCAAAGTAACGGTGTCGCCTTGTTTC AGGGCGGTGGTTACTGCATTGGTAGTGGCATCCAAAGCTTTTTGTGCGGCGGCTTTGGAA ATGTCGGCTTCTTGAGCAATCGCTTCGATCAATTCAGACTTGTTCACAATCAGTCCCTTC CTGTCTTAAAAAATGATGAAATGCCCGAATACTCGGGGTTTGTACTGCTTGAGCAACTTT CGCTTTATAGCAATTCTGAAATTGCCGTGTCAAGCAAAAAATACGGAATCACCCTATTTG **ACAGGCTTTCAGGACGAAACCGCATTTTTACAACACATTTCCTGCGTTTCAATGTTTTGGT** TGCCCTGCTGCGGGGTTTTGGTTTTGAAGCGGATTCCGCCGCCGCTTCCGCACCAGAAGG TTCTGCCCAAGGCTCAGGCTGCCTTTCCAAACCCAGAGCCAATACCTCGTCTATCCATTT GACCGGATGGATGGTCAGGCCGGTTTTCACGTTTTCAGGGATTTCTTCCAAGTCTTTGAC GTTGTCTTTCGGAATCAGGACGTGTTTGATGCCGCCGCGCAAGGCGGCCAACAGTTTTTC CTTCAAACCGCCGATGGGCAAAACTTCGCCGCGCAGGGTAATTTCGCCCGTCATCGCCAC ATCGGCGCGTACCGGGATTTTGGTAAAGGCAGATACCGCCGCCAAGGTCATCGCAATACC CGCACTAGGGCCGTCTTTCGGCGTCGCGCCTTCGGGAACGTGGATGTGGATGTCTTTTTT CTCGTAAAATCAGGAGCCAAACCCACTGATTCCGCACGGGAGCGGACAACCGACCACGC TGCGGACACGGATTCCTTCATCACATCGCCCAACTGGCCGGTGCACTGAATCACGCCCTT ACCCGGCAATGCTGCGGCTTCGACGGTCAGCAATTCGCCGCCGACTTCCGTCCACGCCAA ACCGGTAACCTGCCCGATACGGTTTTCGCTTTCGGCAACGCCGTAATCGAAGCGGCGCAC ACCCAAATAGTCGTGCAGATTTTTCTCATTTACTTTAACCGCTTTAGGTTTGGCTTTGCT GGTTTTCTTGGTTTCAGACAACCTCTTCTTATCTTCGTCCAAGGTAATCTGCATCACCAC ATAACGGATAATATCGCGCACCGCGCTTTCTTCGATTGCCAATTCCCCTTCTTTTACACC ${\tt GTTGCGCTTCATTTGCTTCGGTACGAGGTACTGCATCGCGATATTGATTTTTCGTCTTC}$ GGTATAGCCGGACAGACGGATGATTTCCATACGGTCGAGCAACGGAGTCGGAATATTCAG ACTATTGGATGTGGCGATAAACATCACATCACTCAAATCGTAATCCACTTCCGCATAATG ATCGGCAAACTTGTTTGTTCGGGATCGAGCACTTCGAGCAACGCGCTGGCGGGATC GCCTCGGAAGTCGTTACCCAATTTGTCGATTTCGTCGAGCAGGAACAAGGGGTTTTTCAC GCCGGCTTTTGCCATATTCTGCAAAATCTTACCGGGCATAGAGCCGATATAGGTGCGGCG GTGTCCCCTGATTTCGCTTTCGTCGCGCACGCCCCCAAAGCCATGCGGACATATTTCCG CCCCGTTGCTTTGGCGATGGATTCGCCCAAAGAGGTTTTGCCCACGCCCGGAGGGCCGAC CAGGCACAGAATCGGGCCTTTGAGTTTGTCCATACGTTTTTGGACGGCGAGGTATTCCAA **AATCCGTTCTTTGACTTTTTCCAGGCCGTAGTGGTCGGCATCCAGCACCAGTCCGGCTTT**

GGCGATGTCTTTGCTGACGCGGGATTTTTTCTTCCACGGCAGCTCGAGCAAAGTGTCGAT GTAGTTGCGTACGACGGTGGATTCCGCAGACATCGGTGGCATCATTTTGAGCTTTTTCAG TTCGGACAGGCATTTTTCTTCCGCTTCTTTGGTCATACCCGCCTTTTTGATATCTGCTTC CAAGGCATCCAGTTCGCCGTTTTCGTCTTCTTCGCCCAGTTCTTTGTGTATCGCTTTAAT CTGTTCGTTCAGATAATATTCGCGCTGGGATTTTTCCATTTGGCGTTTGACGCGTCCGCG TATGCGTTTTTCGGCCTGCATAATGTCGAGTTCGGATTCCAGCTGTGCCAGCAGGAATTC CATCCGTTTGCCGATTTCGGGAATTTCCAAAATCTGTTGGCGTTGCGCCAGTTTCAACTG CAAATGCGCTGCGACCGTATCGGTTAGCCGGCTGTTTTCGGCAATGCCGTTGATGCTGCC GATAATTTCGGCGGGGATTTTTTTATTGAGTTTGGCGTATTGTTCAAACTGCGCCAACAG GGTGCGGCGCACGGCTTCGAGGTCGGTATTGCCGCCCGTGTCTTCTTCCACGACCGTCTC TATATGGGAAACGAACAGACCGCCCGTGTCTTCAATGGTCAGAACACGTCCGCGATACAG CCCTTCGACCAATACTTTTACCGTGCCGTCGGGTAGTTTCAACACTTGCAGGACTTGTGC GACCGTACCGGTCTGATACAGGTCGGCGGCAATCGGTTCTTCTACCGCCGCATCGGTTTG CGCCAACAGGAAAACCGGCTCCTCGCGGGTAATGGCGTTTTCCAGTGCGGCGATGGATTT CGGTCTGCCGACAAACAGCGGCAGAACCATATGCGGGTAAACGACGACATCCCGCAAAGG ${\tt AAGGGTTGCCAAGGCGGCATATTCCTCAAAATGCTTTTCTTTTTGTGTCATAGGTACTCT}$ CTTGTGTCTGACAGATTGCCGATTTTCGCGTACATTGGGGTTGAAGGTATTATTTCAAGC ATATGTGGTTTATTTATGGAGTTTGATGCGATGCCGTCTGAAACATTCCGGCTTCAGACG GCATGGGCTTGGAAAGACAAGGCGGGAACAAAAAACTGTTCTGTTTGCCGCTCCTTGCT GTACCATCCGTATGGTTTGCGGTTCTGCCGCCCTATTTTCAAAACATGACGCAGGTATCC CATGTCTTCTTTTATTTTCCCGATGACGGGTTCGAATGGCGCAACGAAAGTCTGCAAAA GCCGCCCAAAGGTTGGCATTATGTCCGCGAAAGCGGTGCAGACGGCATTTTGAAGGCTGC CTATCAAAATATTGCAACTGTCTAGCAGGGCGATTTCCACAATGCCAAACAGGTGCTTTC CCTTTTCCATGCCCACCGTATGAAGCAGGCGCAGCAGAGCCGTATTCTGAATATGCTTGC CGTTGAAATCCGCCCCGGTTTTGTGTTGGACAACAAACGCGCGCCCGATATACGCTCCGC TTTGCTCGACGTGTACGGAGGGGGGGCGCCAAACCGTTTTTCCTGCCGCTCAATCTGCT GCTGGGGTTTATGGGTGCGCACGAGTGGCATAAGAAAGGGGTTGCCGTTCCGCAGCTGGG CGGCAGCATACACGTTCCTTTCGGCGTATTCTCGCCGTTGCGCGGCGAATACCTCGACCT GCTCGCCCATGCGCCGTCAACGGGTTTTCAGACGGCATTCGATATCGGGACAGGCTCCGG TCCGAAAGCCGTCGCCTGCCCGTGCCAATATTGCCCGTTTGGGCTTTGAAAAACAGGT TGAGATACGGGAAACCGATCTGTTTCCCGAAGGGTTTGCCGATCTGATTGTCTGCAATCC GCCCTGGCTTCCCGCCAAGCCGACTTCCGCCGTCGAATCCGCGTTATACGACCCCGAATC TGCGATGCTGGCTGCGTTTTTGCGGGATGCGCCGAAACATCTGAATCCCGACGGAGAAAT CCGCCTGATCATTTCCGATCTTGCCGAACATCTGCACCTGCGTCCATCCGATTTTCTGGA TAAGGCATTTGCTCAGGCGGGTTTGCGTGTTGCCGATATGATGAAAACCAAGCCGAAGCA CAAAAAAGCCGCGAATCCGAGCGATCCGCTTGCTTTTGCGCGAACCCGGGAAACCACTTT GTGAAAATACCCGCTCGAGCATACTGCCCAATGCCGTCTGACGCGTTTTGACGGTGGCGG TGGCGGTATATAACAGCTCCTTACTCAATCCGGACAATGCATCGTCCCCTTCGTCCGAAG GTGCGGCGGAAGGCGGCAGCCATACTTCCCGGTATTCCGAACCTTGGCTTTTGTGGA CGGTCATGGCGAATGCGGGTTCAAATTCGGGCAGGCAGCTTACCGCTACCTTTTTAAATC GTCCGATGTCGCCGTTGAACAGTTCAAGCGCGTAGTCGTTCTGCCTGATCATAATCGGCT CTCCGGCAAAATATGCCAAATGTTCCGGTATGTTCATTTTGCGGCGTACATGGCGGCAAT AGGCTTCGTTGAAGTCTTCCGCATCCTGCCGCCAAGCTGCCAGAACCACGATATCCGAAA TGCCCGCGTATGCGGCTTCGATATTGCCGTCTTTTACCGCCTGCCAATAGGCTTTGTGTG CCCGGTACAACCTTTCGACTCGAGCGTTCGGACTGCATTCCGAATGTTCCAGTTCGTCCG GAAACCGGTCAAACAATGCCCACGCCCCTTCATCGCCCGATACGGCGGCACGGGCAAGGC AGCCGATGCCGCTGTTGTCGCCGAAGCGGTGGCTGAACGACAGATGGGCGGTGTTTTGCG TTTGGTGCGTTTCTCCGTCCAAAACGGTTTTTTGTGACAAAACGGACAGCACCGCCCCTA CCGCTTTTAAAAGTTGCAGCATCAATGCCGTATCCAGCATAGAGGCTTCATCGATAACCA GCTTCAGCAGTCGGTGGACGGTTTGCCCTTCCAGTTTGAGCAAATGGCGGCGGACGGCCT TGCCCGTCGGTGCGGCAAGCGCGATGTTGGGAAGATTTTCGTCTTCACCGCAAATCAGCG CCAGCAGTTTGGCAACCGTTGTCGTTTTGCCCGTTCCCGGCCCGGCCAGTAATCACCATAA AAGACTGCAACAGTGCCAAGGCGGCGCATCGCGCTGCCCTTCGCTGCCCTTGAA CCAAGCGTTTTATCTCGGCAGCCAAATCGTATTCCAACTGCCACATCCTGCCCAAAAACA GCCTTCTGCCTTCCAAAATCAAAGGCGCGGCGGATGTTCCGACAACGGGTGCGAGTGCCG ACAGCGCGTCAGCCTCGCCACCGCTCAAACGGATAAACGAATGACCGTTTTGCAATGCCT GAAACAGGCGTTCGGTGCAGTTTGCAAGCACTTCGTCGCCGGAACCCGCATAGTGTTCCA TATTCCTTATCCAAATGCCGTCTGAAGGCGTGGGGCTTCAGACGGCGCGGTGTTGTTTCG GCTGTTTAGGCGTTTGCGCCCTGTTTGGGGTGCAGGCTGCCGTCTTTCATGACCATCACG CGCTCGAAGCGGCCGGCGAGTTCGTCGTCGTGCGTTACGACCACCAGCCCCGTTCCCAAT TCTGTTTTCAGTTCCAGCATCATATCCAAAACATTCCTGGCGTTCGCACGATCGAGATTG ${\tt CCGGTCGGTTCGTCGGCAAGCAGGCATTTGGGTTAACCAAGGCGCGTGCAATGGCG}$ GCACGCTGCCGCCTGAAAGTTCGCCCGCGCGGTGCGTCGAACGGTGTTTCAGT

ATCAGAAGCGGCATCATCACATTTTCCAGTGCCGAAAATTCAGGCAGAAGATGGTGGAAC TGGTACACGAAACCGAGATGGCGGTTACGTAAATCGCCCAAACGCCGCTGGTTTAAGGTA ATATGCAGCAGCGTCGATTTGCCGCTGCCCGAAGAACCGATGATGCCGGTGCTTTCCCCT GCGTGGATTTCCAAATCCAAGCCGTGCAGCACCCGAACGTCCAAACCGCCGTCCCGATAG TTGGGTTTTTGACGCGCCGCCCGGCTCGGGTAGAGCGTGGCAACGAAAGACAGTCCCAAAGA AATGCAGGCAATCAGGGCAACGTCGCCCATATCGACATCGCTGGGCAGGTAGTCGATAAA ATAAACCTGCGAATTGATGAGGTGGACACCGAGCAGGTTTTCAAAAAACGCCACGACCCT GCCGACGTTCCAACCCAAAAGCACGCCGCAGACCACACCCGCCAGCGTGCCGAAAAAAGCC TGAAAACGCGCCCTGCACCATAAAAATCTTCATCACGCCAGCAGGGGAAAGACCCAAAGT CCGCAAAATCGCAATGTCCGCCTGCTTTTCCGTAACCGCCATCACCAGGGAAGAGACAAG GTTGAACGCCGCCACAGCGATAATCAGCGTCAGGATGAACATCATCCGTTTTTCCAG TTCGACCGCTTCAAAATAGCTGCGGTTGCTGTACGTCCAATCGCGCACCCAAACCGCGTC CCTTTGCGCCTCCGGAATCAGTGTTGCCGTCAAGGCGGGAGCGTTTTGCGGATCGGCGAG GGTAAACTGTTTCAACCTCGGTACGACTCCGGCGGGCGTAACATTGCCCTCCGGCGTGAT GACGGTAACTTTATTGCCGACTTCCGCCCCAAAGCCTCCGCCAAGCCGACACCGAGGAT TTCCACCACTTTGCGTTCTTCAGACGGCAAAATGCCGCGCATCTGCACGCCCCTGATTTC GCCCGCATTGGCCAGCAATGCCTGATTGGAAACATAGGGCGCGGCGGCCAAAATACCTTT GCGGTTTTCGGTAAACCGAAGCAGGTTGCGCCAATCCGTATCCGTATTATCGATATAGCC CATAACCGACAAGACGACAATCAGCGCGGTTACGCCCAAGGCGATTCCGGCAATCGAAAC CATCGTGATAAACGACATAAAGCCGTTGCGCTTTTTCGCCCTGAGATACCTCAAGCCTAT CCAAGCCTCTAGAGAAAACATAACGCTACCTTAAAAATGTCTGCAAACGTGCCGCCCCGG ACGGCGGTTTGGGGGCGGCGAAAAGTTTATTGTACCGTAAAACCCAGGCAGCGTCCGA ACGCCCGAGTGCGGGGGGGGGGGGGGGAGAGCGGGGGGGAAAACTTGCACAACGCGTCAAA CTGCCCTATCCTTCCGAAAAACCGTTTCTTGAGGAAAACAATGAATATCCGAACT GCTTTTGCTTTGTGCGCCATCGCCTTATCCGCCGCTGCGGCTGCCTACGCCAAAGAAATC AAAATCGATGCCAACAACACGCCTTATTCCGAAGCCGACGCGCAAAAGCTGGCGGCAACG GCAGTCGGTATGGGTGTTAAGGAACCTATCAGCCTGAACGGCGGCAGCAGCATTACC GTGTCCGGCAGCAGCGCGCGCGCGTGTTCAAAGTCGGCAACGGAGGCGCATTGCAG ATTCAAGGGCTAAACTGCAAGTAAACCGCCCGGAAAAATGCCGTCTGAAGGCTTCAGACG GCATTTTGCATTGGCGGCGTTATGCCCCGCCTTCTTTAATCAGGCGGCGTTCGTACACCG CCTGCGCCAGCGTTCCCGCATCGACATATTCCAATTCGCCGCCCAAGGGAATGCCCTGCG ACAGCCTGCTGACTTTGTAAGGCAGGTTTTTAAAAAACTCGGACAGGACATACGCCGTCG CATTGCCTTCTGCGGTAAAAGCGGTTGCAATAATGATTTCTTCGACTTCCCCGCCGCCCA GCCGTTGCGCCAGCCTGTCCAATGCGATGGCGGATACGTCCATTCCCAATGCCGTATTGA TTTGCCCCATCAGGACGAAATACAGCCCGTCGTGGCAGTTTGCCGCTTCCATATTCGACA CGTCGGCAGGCATATGCACCACCATCAGCCGCCGCCGTCGCGTGTTTCATCGGCACAAA TATCGCACAATCCGCCTTCGCAAAACGTGTTGCACATCGCGCAATGGTAAACCTGCTTCA ATGCCGTCTGCAAGGCATCCACCAGTTTTTCAGCCTCTTTGCGCTTGTGTTGGAGCAAAT GATACGCTATCCGCTGTGCCGATTTCGGCCCGACGTTGGGTAAAACCTTCAGCGCGTCGA TCAATCCTTGGAAGGCATCTTGTTTTTTGTGGCTCATCATATTCCGCCGTATGGGAAAAC GGCCGGAATATTCCGACCGTTATTTTGTCAACAAAAGTGTCAATTACTGACCGTCGCCGT TGTCGACCGATTGCGCTCCTTTGGTCTGTTTGATTTTGCCGTTGAAATAACGTATCAACA AGTCGAAAGTATTGGCAGACTGCTGTTGCGCCAAAGCCTGTTTTGCAAGCGGAAGCTGTG CGGCGATATCATCCGGCGGGGTTACAGCCTGTACTTCGACAATCACGGGTGCCGGCAGAC CGATCAGCCTGACGTAGGCGGGTTTGCCGGTTTTGCCTTTCAGCAGTTCCGCAT AAGCCTCGGGCGGCATGGACTGCCTTGCCTGTGCGCCCAAAACGGACACTTCCGACC **ATTTCACGTCAACAGCCTTGCCGCCGTTCAGTTGGGTAAGCACGTCTTTTGCCTTGTTTT** CGGCAAGTTTGGCGGCTTCGGTACGGATATAAGCCTGACGTACCGCGTCTTTGGCTTCGG CAAACGGCAGGGTTTTCTCTTCGCGGACTTCTTTGGCGCGCGACGACCCACGCGGTTTCGC TGTTGATGGTCAGCACTTCGGAATTGTGTTTTTTTTTCTTCAATACGTCGTCGCTGAATACGG CATTGATCAGGTTTTCGGGCATACCGGACATTTGCGCGTCCTGCCTACTCAGCCAAGTTT TGAACGCATCGTCGCCCAATTTTTCTTTTGCCTTGTTGAAGTCGGCAACCGCCTTTTTCA TTTTCAATTCGTTTTCGACGGCGGCTTTTTCCTGCTCGAAAGAAGATTTGGCTTCATTTG CCGGCAAACGCGCCACGCGCTCTTCAAATGCATTTTTCACTTCCGTTTCACTGACGGTCT GCTTGTCTGCAAAATCCTTCAGATTCAAGGCGACATATTCCAATTTGACCGCCTGCGGCA GCAGATAGTCTTTTTTGTTCGCATTATAAAATTTCTGCAAATCGGCTTCAGACACTTTGA ${\tt CTTGGGCGATGAACTCGTCGGGGTTGAAAGTGTGCGAACGGATGGTGCGGTTGACCTGTG}$ TCAGCCTGATCAGCTGTTCCGCCTGCGCGTCGCCGACCAATACGCCGTTTTGGACGAGGT TTACCAAATTCTGCAAGGCAAACTGATCGCGGATTTCTTCGACAAACTGGTCTTCAGACA TATGGCGTTGGGAAAGGTAGCGGTTTAAAAGCGCGTGGTCGAATTTGCCGTTTGCGTCGT GGAAATTGGGATCGTCCACGATAATTTGCTTGATTTGTTCGGAAGAAACCGAAATGCCCA TCAGCTTCGCGCCCTGTTTCAGGTAGGCGCGTTGCAGCAGGGATTGGAACACCGCGTCGC GCGAAGGGCCGCCGTCCGCCTGTTCGTTCTGTATGGCGTTGTTGATGGAGTGGTCGC TGATTTTTCGTCGCCCACTTGGACGATGTAGTCGGCACCCGGATGGGATACCGTGCTGA **ATTTTTCGATGGAATGGAACATATTTTAAATCGGGATATAGAATGGGAACGGGAAATTCA** AGTEGGGTATTGTAACGGTTTTTATCCCTGTETGCACGGGGCTTGCCGGTTGAAGATGCC GTCGTAGGTTTCTTCGCTGAAGCCGGCGTAAACCTTGCCGCCGCACTCCAATACGGGACG

CTTGATCAGGCTCGGCATTTCGGACATCAGTTTGACGGCCTCCGCCGTCGAGGACAGCAC TTTTTGCTGTGTTTCGGCATCGAGTTTGCGCCAGCTTGTCCCGCGTTTGTTGAGCAGGGT TGCCAAAGGCACTTGTTCCAGCCACGAGCAGATTTCCGCTTCAGACGGCCTCTGTTTTTT AAAATCCCGAAATTCAAACTCCAAGCCGTATCCGGCAAGCCGGTTTTTTGGCTTTTTTGAC CGTATCGCAATTTGGGATGCCGTGAAGGACTATCATTTGGAAACCTTTTGTCTGAAATAA TAAAACGGATATTTTACTATAAGTGTCTGAAAATTTGCCCGTCTGTTTCAGACGGCGGGG CGGTTATGTTACAATCCGAAAATTCGAAAAATTTAATCTCTTGTTCAATAAAGGCTTTAC CAATCATGATTTCTACCAACGGCATCACCATGCAGTTCGGCGCAAAGCCGCTGTTTGAAA ACGTATCCGTCAAATTCGGCGAAGGCAACCGTTACGGCTTGATCGGCGCCAACGGCTCAG CGATTGAAAACGGCGTGCGTTTGGGTAAATTGCGCCAAGACCAGTTTGCCTACGAAGACA TGCGCGTGCTGGACGTGGTGATGATGGGGCCATACCGAAATGTGGGCGGCGATGACCGAAC GTGATGCGATTTACGCCAATCCCGAAGCCACCGAAGACGACTACATGAAAGCCGCCGAAC TGGAAGCCAAGTTCGCCGAATACGACGGCTACACCGCCGAAGCGCGTGCCGCCGAACTGT TGAGCGGCGTGGGCATTTCCGAAGATTTGCACAATGCGAAAATGGCGGAAGTCGCCCCGG GCTTCAAACTGCGCGTATTGCTGGCGCAGGCGCTGTTCTCCAAGCCGGATGTATTGCTCT TGGACGAACCGACCAATAACTTGGACATTAATACCATCCGCTGGTTGGAAGGCGTGTTGA ACCAATACGACTCCACGATGATTATCATCAGCCACGACCGCCACTTTTTGAACGAAGTCT GCACGCATATGGCGGATTTGGACTACAACACCATCACCATCTATCCGGGCAACTACGACG ACTACATGCTCGCCCCCAATCGCGCGAACGCGCCCTGAAAGACAATGCCAAAGCCA AAGAGAAACTGCAAGAGCTGCAAGAGTTCGTCGCCCGCTTCTCTGCCAACAAATCCAAAG CCCGTCAGGCAACCAGCCGTCTGAAACAGGCCGACAAAATCAAATCGGAGATGGTCGAAG TCAAACCTTCCACCCGTCAAAACCCGTATATCCGTTTTGAAGCCGATGAAAAAGCCAAGC TGCACCGTCAGGCTGTGGAAGTTGAAAAACTGGCGAAACGCTTTGAAACCCAGTTGTTTA AAAACCTGAACTTCATCCTTGAAGCGGGACAACGCCTCGCCATCATCGGCCCGAACGGCG CGGGCAAATCCACCCTGCTGAAACTCTTGGCCGGCGCGTACAACCCCGAATATTCAGACG GCCTGTTGCCGGACGAAGGCACCATCAAATGGGCGGAAAAAGCCAGTGTCGGCTACTATC CGCAAGACCATGAAAACGACTTCGACGTCGATATGGACCTGAGCGAATGGATGCGCCAAT GGGGGCAGGAAGGCGACGAACAAGTCATCCGCGGCACTTTGGGGCGTTTGCTCTTCG GCAGTAACGATGTCGTGAAAAAAGTGAAGGTTCTCTCCGGTGGTGAAAAAGGCCGTATGC TTTACGGCAAACTGTTGCTGTTGAAACCCAATGTCTTAGTCATGGACGAACCGACCAACC ATATGGACATGGAAAGCATCGAATCCTTGAACATGGCACTGGAAAAATACAACGGCACGC TGATTTTTGTCTCCCACGACCGTCAGTTCGTTTCCTCCTTGGCAACCCAAATCATCGAAC TGGACGGCAAAGGCGGATATGAACACTACTTGGGCGATTACGAAAGTTACTTGGAGAAAA AAGGCGTAGCATAACCGCCGGTTGGAACAATGCCGTCTGAAGCCGCTTCAGACGGCATTG TTGATAACTTTAAAATAGGAAGCATATGCAGACTTATCTCGTCGGCGGTGCCGTCCGCGA TTATCTTTTGGGCTTGCCCGTCAAAGACCGCGATTGGGTGGTCGTCGGCGCAGACGCACA AACCATGCTGGCGCAAGGCTTCCAGCCGGTCGGCAAAGATTTTCCCGTGTTTCTCCATCC CGAAACACACGAAGAATACGCCCTCGCCCGCACCGAGCGCAAAACCGCCAAAGGTTACGT CGGTTTCAGTTTCCACGCCGACAAAGACGTTACGCTGGAGCAGGATTTGATGCGCCGCGA CCTGACCATCAACGCGATGGCGCAAGATGCGGACGGCAAGATTATCGACCCTTTCGGCGG ACAACGGGATTTGGCGGCAGGCATTTTGCGCCACGTTTCCCCAGCCTTTGCCGAAGACCC CGTCCGCATCCTGCGTACTGCCCGCTTTGCCGCGCGTTACAAGTTTGAAATCGCCGAAGA **AACCATAAAGCTGATGCGGCAGATGGTGGAAAACGGCGAAGCGGACGCATTGGTTGCCGA** ACGCGTCTGGCAGGAGTTTGCGAAAGGTTTGATGGAAAAAAATCCGCGCAAAATGATTGA AGTGTTGCGCGAATGCGGCGCGCTCAAAGTCTTGCTGCCCGAAGTCAATGCCCTCTTCGG CGTGCCGCAACGCCCGACTACCATCCCGAAATCGACAGCGGCATCCATACCCTGATGAC GCTGCAACGCGCCGCCGATATGGGCTTGAGCCTGCCCGAACGCTATGCCGCCCTGCTGCA CGACTTGGGCAAAGCCAAAACACCGTCCGACATCCTGCCGCGCCACCACGGACACGACCT CGAGCTTGCCGAATTGGTTTGCCGTTGGCACATTATTTTCCACCAAGTCGGACAGCTTAA AAGCCAAACCATTCTGAACGTTTTGAAAAAAACCGACGCTTTCAGACGACCCGAACGCTT TCAGACGGCATTGAACGTCTGCATTGCCGACACGCAAGGCCGTCTGAACCGCGAACACAC GCCCTACCCGCAACGCGCGCACTGGCTCGCCTTACTCGAAGCCGCCAATCAGGCGGATTC GGGCAAAATCGCCGCCGAATGCCGCGCACAGGGAAAAGCGCACCTTATCGCCGAACAAAT CGACCGGGCGCGCTGGCACAAATCGCCCCATTGCAAAAAGCGTTTCGAGCGGCGCAAGA CAAAACAGAAAAACATTAAAACGTCCAATGCAGCCACTTTTATAGTGGATTAACAAAAAT CAGGACAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGCAAGGCGAGGCAACGCTG TACTGGTTTTTGTTAATCCACTATAAAGTTTTGAGGACGATACCCAATCCAAGCTTTGCA ACAGCCGCCGCCATATCCGCTATAATTCACGCTTCAGCCATTCCGCCCCCGACATAAAAT CATGACCCTGAAAACCGATTTATTGCCTAAAATCAACAACGAAGATTATCAACGCCTCAT CCTCAAACACAGTGCGGAATTTAGCGGTGGCGAAATCCGCCTGTTGAACGAAATCCTCGA AAAATTCAATTTCGACGTTGTTCAGGCGCAGGCATTGGCGCAAGCCGTCATGCAGCAAAT CCGCTTCGACCCCAACGCCTACCACATCGACAGCGACGACGAGAGACACCACCGGCATCTG CCCCACTGCATCAACCCGCCTATGCCGCCCCTGCGCGACTATCTCGTTTGGCGCGAAAC CCGCGGATAAAACGCTTTTGACCGTTATCTTTTCAATGCCGTCTGAAACGCCGCCGACCG TTCGGACGGCATACCCGACAAAGGGAACACTATGCTGCAAACCGACAACCTGACCGCCGC GCAACCGCAACGCATCGTTGCCGCCCAAACCGCCTCCGCACAGGAAGAACTGCTCGAACG CGCCTCCGCCCAAAACGCTGGACGACTACATCGGGCAAGACAAGCCAAAGAACAGCT TGCCATTTCATCCAAGCCGCCAAAAAACGCGGCGAAGCACTCGACCACGTTTTGCTCTT CGGCCCGCCCGGACTGGGCAAAACCACACTGGCGCACATCATCGCCAAAGAATTGGGCGT AAATTTGCGCCAAACCAGCGGCCCCGTCCTCGAACGCGCAGGCGACCTCGCCGCCCTTTT GACCAACCTTGATCCGCACGATGTATTGTTCATCGACGAAATCCACCGCCTCAGCCCTGT TGTCGAAGAAATCCTCTATCCCGCGCTCGAAGACTACCGGCTCGACATTATGATAGGCGA AGGACCCGCCGCCCGTTCCGTCAAAATCGACCTGCCGCCCTTCACGCTCATCGGCGCGAC

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CACCCGCGCCGGTATGCTGACCAATCCGTTGCGCGACCGCTTCGGCATCGTCTCCCGCCT TGAGTTTTACGAAAACCGAGACCTTACCACCATCGTCAGCCGTTCGGCACAACTGTTGCA GCTCGATATGTCCGAAGAAGGCGCGGAAGAAATCGCCAAACGCAGCCGCGGTACGCCGCG CATCGCCAACCGCCTGTTGCGACGCGTGCGCGATTTCGCCGACGTGAAAAACAACGGCAC AATCGACGGCGCATCGCCGATGCCGCTTTAAGTATGCTGGACGTGGACGCGCAGGGGCT GGACGTGATGGACAGGAAATTTCTCGAAGCCGTTTTGCACAAATTCGGCGGCGGCCCGGT CGGTTTGGACAATGTTGCCGCCGCCATCGGCGAATCTACAGACACCATCGAAGACGTTAT CGAACCCTACCTTATCCAACAAGGCTTCCTGCAACGCACCCCGCGCGGCAGGATGGCGAC CGAACGCGCCTACCTGCATTTCGGGCTGCCCGTCGAAAAATAACGCAATGCCGTCTGAAA CAGAGCTAATTTTCAGACGGCATTTCTATTTCAATCATTGGCGCAAGGTTCAGCCTGCCG CTTTTTTCCAGTTCCGCCCTCATCGCATCAATCACCGCCTTATAGTCTGGTTTGCCGAAA ATCGCAGAACCGGCAACAAAGGTATCCGCACCAGCTCGGGCAACGGCGGCAATATTGTCG TCCAGCATCGCCCGCACCCGGCGGATTTTTTCAAGGGTGTGCGGGATGAAGCTTTGTCCG CCGAATCCGGGGTTGACCGACATCAGCAAAACCATATCCAGCCTGTCCAATACGTTTTCC AACAGATATACGGGCGTTGCCGGATTCAACACCAGCCCCGCCTGACAGCCCATATCACGA GCTCCTGCTTTGGCAAACGACTGAATCAGGTCGTCAACGGGTTCGACCATCAGATGCACA TCAATCGGCACGCTTGCATAAGGCTTCAACGCCGCGCAAACCATAGGGCCGAAGGTCAGG TTCGGCACATAATGGTTGTCCATCACGTCAAAATGGATCAGATCTGCACCTGCCGCAATG ACGCTTTCCACCTCTTCTCCGAGGCGGCAAAGTCTGCCGATAAAATGCTGGGTGCGATA CGGTAAGTAGTCATGTTTTTTCCTTCAATATCCTTTTATAGTGGATTAACAAAAATCAGG ACAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGTGCTTCA GCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCTGTACTGGTTTTTGTT TTAACAAAAGTTAACCGCGATAATACCATCTTTCACACGTCAATCTAGTATATTTCCTAA AATTTCCAACAAGAGGAAAAGCCGTGCCACTGCCTGCCCTGCCGTTTTGCCAAACCTG CCGCCTCTTTTTTAAGTATGGCTTTGCTTTCCTGTCAGCTTTCCCACGCCGCCACGGCTT ATATCCCCCGAACGATTTCAACCGAACTGCGACATACGCCGACTCGGGCTGACCCAAA GTCAGCACAATGAGCTGCGTAAAATCCGCACCGCCTTCAAAATGGCGGGGGACAGGGCGC GTTTGAAGGTTATGCATTCCGAACACAGCCGCCGCCGGTCTGTCGTCGAAATCATTTCCT CGGATGTTTTTAATCGGAACGAGGCGCGCGATTATGTCGAAAGCCGCTATTTGTCCGGTA TGGATTTTGCGGTGGACGAATTGGAAATCCAACACCGGTTCTTCCATATCCTCACACCGC AACAGCAGCAAATGTGGCTTTCTTCCTGCCTCAAATAATCCCCGAAACGCTCACAACGCC CGTTGTTTCGGCAGCCTGCCCGCCCAGTCGCAGGCAAACTGCCACGCGGAACGTCCCGAA CGGCTGCCCCGCGTCTGCGCCCACTGCAATGCCGCCATCTGTGCGGTTTCATCATACGGC ACGCCGAAATCTTCCAGCCAATTTTGCACCGCCGCCAGATAATCGTTTTGATCGAACGGA TAAAAACTGAGCCACAATCCGAATCGGTCGGACAGGGATATTTTTTCTTCCACCGCTTCT TTCTGATGGATTTCCCCCCGCATCCCCGTCGTACCGGCATTCTCGTCAAAATATTCGGGC ATCAGGTGCCGTCTGTTGGAAGTCGCGTAAACCAAAACGTTGGCGCAACGTTGAGACAGA CCGCCGTCTAACGCGGTTTTCAATGCCTTATAGGTTTCATCGCCGCTTTCAAACGACAAA TCGTCGCAAAATACGATAAATTTTTCCGGACATTCCTTCAAAAGCGTCAACAGGTAAGGC AGGCCGATTAAATCGCTTTTATCGACTTCGATCAGGCGCAATCCCTTATCCGCATATTCG TTGTTCGCGGGTCTGCCGACAATGAACTGTTCGGTATTACGCACCAGCAATTCGGTTTGC CTGCCGACTCCCGCCAGCCTTACCAAGGGAAAGGTGTGCGGATCGGGCAAGTGTTCCAAA AAACCTTTTTTGCCCGCACTCTGCCAGCGGAAGGCAAGCGCGTTCCAATCCGTATGCCCG GGTTCGGGCGGAAGCACGGCATCCAAACGCCGCAAAACGGCATAGGCTTTATCGAGAAAT TCGTTCAATTCCATCTCTGCCTCACTTTGCATATCTTTGCGCCATCAGCCGTTCGACGGT ATCGACGATTGCCTGCGTATTCGGATCGATTTCGATGTTGATCCTGTCGCCGACCTTTCT GCTGCCGAACAGCGTCCGTTCCAAAGTTTCGGGAATCAGATGGACATTGAAACGGCCGTC TTCGACTTTGCCTATGGTCAGGCTGCAACCGTCCAAGCCGACGAACCCTTTGGTCAGGAT ATAGGGTTTGAGTTCATGCGGGAGCGAAAACCAAACCGTGCGGTTGAACCCGTCCCGTTC GATTTCGACAATAGGCACGGTTGCCATAATGTGTCCGCTCATGACGTGTCCGCCGATTTC ATTGGTTTTTGCCAAAGTTTCCGCCATTAAATCGAAACTGACGCGGTTTCCTTCGATTTC GGTAATCGTCAGGCAGCAGCCGTTATTGGCGACCGATGCGCCGCGTTGCAGATTGTCCGC CGCCTCTTGCGGAAGCTCGACGACATAAGTGTGAAATGCCTCCGACGGGCGGTGGATTGC CGTCAGTTTTCCCAATCCTTGAACAATGCCTGTAAACATAATCCTGTTTCCCTGTGTCGG TAAAAATGGTGCAAATTGTAGCATCTCCCCGCGAAAAATGCCGTCTGAAATGCCTTCAGA CAGCATTATGCCTCCGATTCGGGCAAAAACCGCCCGGTATGGCTTGACCTTTCCTTTCCA CGCCGGTCGGCGGTCTTGCCCTTATCCCTCCTGCAAATCGATTTGCGTGTTCAAGTCGGC AAAATGCCCGTCAAACTCGAATCTGACCGGCCGCCCCTTTGCTGCTGCAACCAGCTTCT ATACATAATGTTGTAGTGCATCGTTATCGGCGTTTCCACATAATACGCATTGCACAACGG TGTGCGTTTCGACACGGTTTCAAACCTCGCCACCAAATCGTCCGGCAGATACGGCATATC GCACGCACAACCAAAAGCCAGTCAGCAGCCGCCAACTGCAAATCGTTGGCTGCGGTACA CAATGCCGAAAGCGGGCCGAAATGCTGCCACTGCCGCGCATCGGGAAAAATATGCGGACT TCTTCGAGCATATTCTTCCAAATTCCGGTTGGTGCTGATGGCGATATGGCTGACCTGCGG CCTGACCCTGTCGATGACATGGTCTATCAGTGCCTTACCCCCAAAAGAGCAAGCCCTTTG TCCTCGCCTCCCATACGGCTCGCCTGACCGCCGGCCAGTATCAGGGCAAAAGTTTTCATT GCGGATGTTCTCTTGGAAAAGTTCGAGGTTTTCATGATTGCAGTCTGCCGTTCCCAATGA CTCAAAATGCCGTCTGAAGCAGACGGCAAATAAATTCATATTATCTGAATTTATCATAA TTGTATCTAATTCCAAAGAATGATATTGTTTGCATTATTTGGAACAATTTTTCGCCGAGC

ATGATACTGCCAGCCCGTTTTTCAGACGCCATCAGCCTTTCCCTGCGCCTGAAACTCCTG ACCGGACTGTGGGTCGGGTTGGCGGCATTGTCTGTCGTTTTGACACTGCTGCTCTTTG CGTCTGGAAAACGCGGCCTCCGTCATCGAAGAGGCGGGCAACTTGAGAATGCAGGCATAC CGTCTGGCATACATGGCGGGTGAAGGCTCGCCCCGTGCGCAAATTGACAATCAGGTTGCC CACATCCTCCCCCCGCTCCAGTCCTACCGGCGACCGACTCAGGTCGATCTCTACCGCTTT GCCGGAAACATCGAACTGTTTTTGCAGGCATTGGAAAATGCCAACGAAAAAAACACATGG TGGCTCAGGCGTTTTCAATGGCCAATTATGTTGATGACGCTGGTGTCGTCTGTACTGATG CTGTTTTGGCACCAGATTTGGGTTATCCGGCCGCTGCAGGCGTTAAGGGAAGGTGCGGAA CGCATCGGACGGAGGTGTTTCGATATTCCGGTTCCCGAAGGCGGTACGCCGGAATTCAAA CAGGTCGGGCGTTGTTTCAATCAAATGGGCGGCAGGTTGAAAATTTTATATGATGATTTG GAAGGACAAGTCGCCGAGCAGACACGCAGTCTCGAAAAACAAAATCAAAACCTGACCCTG CTGTACCAAACTACACGGGACCTGCACCAATCCTACATACCGCAACAGGCTGCAGAACAT GGATCCGATGTTTATGTTTCCATTCATCATGCGGATTGCGGCACAGCAGCTTCGGATTTG GGGAAGTACCATGAGGAAATCTTCCCCATTGAGTACCAGAACGAAACATTGGGCAGGCTG TTGCTCAGCTTTCCAAACGGCATTTCTCTTGATGAAGACGACCGCATCCTGCTTCAAACA CTAGGCAGGCAATTGGGCGTATCGCTTGCCGGCGCAAAACAGGAGGAAGAAAACGCCTG CTTGCAGTATTGCAGGAACGCAACCTGATTGCGCAAGGATTACATGACAGCATCGCACAA GCATTAACGTTCCTAAACCTACAGGTACAGATGCTGGAAACCGCCTTTGCCGAAAACAAA CGGGAGGAAGCCGCAGAAAACATCAGCTTTATCAAAACAGGCGTGCAGGAATGTTATGAA GATGTCCGCGAACTGCTGCTCAACTTCCGTACCAAAATCAGCAATAAAGAATTTCCCGAA GCCGTTGCCGACCTATTCGCCCGCTTTACGCAACAAACCGGGATAACGGTCGAAACCGCC TGGGAAAACGGTTCGTTCCTGCCGCCTCAGGAAGCGCAGCTCCAAATGATTTTTATCCTG CAGGAAAGCCTGTCCAACATCCGCAAACACGCCCGCGCCACCCATGTAAAATTCACCCTT TCCGAACACGGCGGACGCTTTACCATGACCATCCAAGACAACGGACAAGGTTTCGACACG GAGAAAATAGGAGAACCCACGGGCAGCCATGTCGGACTGCACATCATGCAGGAGCGTGCC **AAACGCATCCATGCCGTTTTAGAAATCCGTTCCCAAGCTCAACAGGGAACCACCGTCTCA** TTGACGGTTGCATCTGAAGAAAGCTTGAAATGACTATTAAAATTATTCTGATAGACGACC **ATACCCTCTTCCGCAGCGCATTAAAGCCCTTTTGTCGCGCCAACACGGTTTTGAAGTCA** TCGGCGAAGCCGCAGACGGCCTCTCGGGTATCAAAATGATCAGTCGGCTGCAACCCGATG TCGTCCTGCTTGACCTTGATATGCCCGGTATGAACGGACGCGAAGCACTCTCCCAAATCA TCAGCATCAATCCGCAGCAGGCAGTGATTATGCTGACCGTTTCCGAAGACAGCGACGATT TGACCGAATGTATGCGCATCGGCGCGCGCGCTACCTGCTGAAAAACATCAACGCCGACT TTCTGCTCGAAAGCATACGCAAAGCCGCTGAAGGCGATAATGTATTCTCGCCCGAGATGA CCGCCAAACTCGTCAAAAGCCTGATTTCCCCCCAACCTGCCCAAGGGACGCAGGCACTCT CCTCACTTACCCCTCGTGAACTGGAAATCTTGGGCTATCTCGCCGCAGGACACAGCAACA AAATCATCGCCCGCCACCTCGATCTTGCCGAATCCACCGTCAAAGTCCACGTTCAAAACC TGCTCCGCAAACTCAACCTCAGCAGCCGGGTGCAGGCCGCCGTTTACGCCATCCGGCACA ACGTCCCCCAACCTGTGCCGGAATAGGCGTTCAGACGGCATATTAGGGGTTTTAATCCCC GTACGGTCATTCGGATAACAGACCAAGCATGTAAGTTTATGCCCCCATAAGTACGCTTGG CATAGCAGTAATATTGTTCGGTTTAGTGTTTTCCGTTTGCCCCTATCTGATACTGCAATA TCAGCTATGCCGTCTGAAAACGCATCATCATGATATTTTCAGACGGCATAATAAAAAGCG GAAATACTAATGCAGGGTAAAATGTTCCATTCCGAATCCCATAAATATACAATGGCTTAT CCGGTACGGCGTTGCCTTGCCGTACTATCTGTACTGTCTGCGGCTTCGTCGCCTT GTCCTGATTTTTGTTAATCCTTGGATTCGGATTTCAAGTGCAACACTAGTGTATTAGTGG TTGGAACAGATTCAAGAATAAAACACTTGGCGTTTCGTAGCCAAGTGTTTTTCTTGGTCG GTGGTTCAACTCATCTTGAACCCTGCGTATCTCCCGATCACTGATGTTACGGAAATCGGT TTGTTTGGGGAAGTATTGCCGGATGAGTCCGTTGGTGTTCTCATTCAGCCCTTTCTCCCA AGAATGGTAAGGGCGACAAAAATAAGTCTCCGCTTTCAATGCTTTGGTTATTTTGGTGTG TTGGTAGAACTCTTTGCCGTTATCCATGGTAATGGTGTGCACCCTGTCTTTATGTGCCTT TAATGCCCTAACAGCTGCCCGGGCAGTGTCTTCGGCTTTGAGGCTATCCAATTTGCAGAT GATGGTGTAGCGGGTAACGCGTTCGACCAAGGTCAATAATGCGCTTTTCTGTCCTTTGCC GACAATGGTGTCGGCTTCCCAATCGCCGATACGGGATTTCTGGTCGACGATAGCGGGTCG GTTTTCTATGCCGACACGGTTGGGTACTTTGCCTCTGGTCCATGTGCTGCCGTAGCGTTT GCGGTAGGGTTTGCTGCATATTCTGAGATGTTGCCACAACGTGCTGCCGTTGCTTTTGTC TTGGCGAAGGTAGCGGTAAATGGTGCTGTGGTGGAGCGTGATCTGGTGGTGTTTTGCACAG GTAGGCGCATACTTGTTCGGGACTGAGTTTGCGGCGGATAAAGGGGTCGATGTGCTGAAT CAGCTGCGAATCGAGCTTATAGGGTTGTCGCTTACGCTGTTTGATAGTCCGGCTTTGCCG CTGGGCTTTTTCGGCGCTGTATTGCTGCCCTTGGGTGCGGTGCCGTCTGATTTCGCGGCT GATGGTGCTTTTGTGGCGGTTCAGCTGTTTTGGCGATTTCGGTGACGGTGCAGTGGCGGGA CAGGTATTGGATGTGGTATCGTTCGCCCTGGGTCAGTTGCGTGTAGCTCATGGCAATCTT TCTTGCAGGAAAGGCCGTATGCTACCGCATACTGGCCTTTTTCTGTTAGGGAAAGTTGCA CTTCAAATGCGAATCCGCCATCCTCTATAAAAATGCCGTCCAAACCCATGTTTGAGACGG CATTTCGCTATAGAAGCAATCAGGCAACCTGGGTTTGATGCTCGTCTCCCTGACGCTCAC GGATCAAACCTAAACGGTAAACTGTTTCACCTTGTTCACCCAAGAGACCCTGAACCGCAT CGGCATCTTCGGCAGCAACAATAACGACCATGCCGATGCCGCAGTTAAAGGTTCGGTACA TTTCTTGGGTTTCCACATTGCCCGCCTTTTGAAGCCATTGGAAGAGCTTGGGCAATTCCC ACGATTTAGCATCGATTTGTGCAACCGTGTTTTCAGGCAACACGCGCGCCACGTTTTCGG TAATGCCGCCGCCGTAATGTGTGCCATACCTTTAATGGTAAATTTTTCCAAAGCGGCAA GAATCGGTTTCACATACAGACGGGTCGGCGCAATAACAGCCTCCCGCAAGGTTTTGCCAT .TATCAAACTCGGCATCCAGATCGGGATTGTCGCGTTCGATGATTTTACGGATAAGGGAAT AGCCGTTTGAATGTGCGCCGTTGGAAGCCAAACCCAATACCACATCGCCTACGCCGATGC

TGCGGCCGGTAATGACATTCTCTTTTTCCACCACGCCGACGGCAAAACCCGCCAAATCGT ATTCTCCGACGGGATACATACCCGGCATTTCGGCAGTTTCCCCGCCAATCAGGGCGCAAC CGGATTCTTCGC AACCTTGGGCAATGCCTTTAATAACATCGGTCGCGCGCGGAACATCCA ATTTACCGCAGGCAAAATAGTCCAAGAAAAACAAGGGCTCAGCCCCTTGAACCAAAATAT CGTTGACACTCATTGCAACAAGGTCGATGCCGACCGTATCATGTTTATCCCAATCAAAGG CAAGCTTGAGCTTGGTACCCACGCCGTCCGTACCGCTGACCAATACGGGATTTTGATATT TCTTGCCGATTTCGACCAATGCGCCCAAAACCGCCCAAATCCCCCAATACTTCCGGGCGCA TCGTGCGTTTGGCAAACGGTTTGATGTTTTCGACCAGTTGGTCGCCTGCGTCGATATCGA CACCTGCATCGCGGTAACTCAATGAAGTACTCATCGTTTTTCCTTGGTAAATGGGGATTG GACGGTAAAATAACGGGGCGTATTCTACCTTATTTCACGTTTGCAGGTTCAGATTTTTAG ACAATATTGTAAACAGTCCGCCATATGCCCGCGCGTGTCGGGTTTGGCGGGACCGTCCGC AGGATTAACGGGCAGAAACCCGCCTGCCCTTCCCCTCAATTCCTTATATATCGCGTTCCA TCAAAAGACGCATTGCTTTTCTTAACCATTCCTTTTGGCAGACGAGCGGAAGGGGTTTTT TGATGCCATCAAAATCAATATTTTCTTCTTTCCGGTTGAAACCCCGGCATTAGGGGT GGTGAATCTGATTGCGTGCGGAAGCACCCGTTTCCGATTCGGTGCGGAACAAATGGCGGC AAGCAGACGACTTATGTTTTGTGGCACTAATTTGTCCCGATAAGCATTAACTATAATT TATTTATCATTATTGGTGCGGACGGAGAGACTCGAACTCTCACACCTCTCGGCGCCAGAA CCTAAATCTGGTGCGTCTACCAATTTCGCCACGTCCGCATGGGAATTGGACGATTATACA GATTTTGTTTTTTTGTGCAAGGTTTTCGGCGGGGCTGTTGATGGCTTTGGGGGCT GGAATTTGGGTATGCCTGCTTGGTTAAGGATTTTCTGCTGACTCAGGGTTTGAAGC TGCCGCTTGACGAGGTTCGGGCGCGTATCTGACGCGCAGACGGTAATGGATATGGGGA CGGCTTCGATAGACCGTTCGGTTTTGTGGCGCAGTGATGAGGGTTGGAAACTTGCCGATT ACCTGTCGTGCGACAATGTCCGCGAAGATGCACTGAAACGGCTTTTCATGGCTTTGGATT CGGTGTTTTCGCGCTCGACAGGCGTGCGGAGTGCGGCGGTCTATGCCTTGATGCCATCTG AAAACCAGGCTTTCCAACTGATATGCCTGTCCCGACAGGGCGAGGTTTTGGAAAACCTGT GGGATTTGGATGAAGCGGCAGGCAAGGTTTCGCTGGCTTCGCCGCTCGGCGCAAAGCGGTT GGATGAATGTTGCCTCGGATGTACGCCGTTGGTTGGATTTGGGGGAGCTTTCGGGAGAAC GCAATCATGCTTCGGCGCGCAAATTTCCATTCCGGTCTGCACGGAAAGTGGCGGTGTGT TGGGCGTGGTTCATGTGGAATTTGAATGCGCAGAGTGTGCGGGTACGGCAGCACAGGTGG AATGGGTGGCTCTTGCCTTGGCTTTGTCCGAACCTTTGAAACTGCTGTTGGGTATGTCTG CCGGAAAAGATGGGAGTGAAGATGTCTGAAATGTTGAACCATGTGGCATCCTGCCGCCTG CCGACCGAATGGGGCGTATTTACGATGCACGGCTTTGAAGAGGCAAACGGGCAGGAACAC GTCGCGCTGACCGTCGGTAATTTTTCAGACGCCAATCCGGTTCTGACGCGCATCCACTCC GAATGCCTGACGGGCGATGCGCTGTTCTCGAGAAAATGCGACTGCGGACCTCAACTTGAA GCGGCCATGAGGGCGGTACAGACAGAGGGGCGCGCATCATCGTCTATCTGCGTCAGGAA GGACGCGGCATCGGGCTGATTAACAAAATCCGCGCCTATCATCTGCAAGACCAAGGTATG GATACGGTTGAAGCCAATTTGGCACTCGGGCTGCCCGTCGATGCCCGCGATTTCCGTTTG GCGCAATCTATCTACGAATATCTGGGCATCCGCTCGGTCAAACTGCTGACCAACAACCCC GAAAAATCCAAACCCTGAAAGATGCGGGGATTAACGTGGTCGAACGCATCCCCCTGCAC GTCGGGGAAAACCTTGAAAACAAACGCTACCTCCAAACCAAAGCAGACAAGCTGGGACAT CTGATGTCGGAATAAGGCAAAGTTGCAGGGAACGGGCATCCTGCGCCGCCTTTCGGGAAA CAGGTTTCCATACCTTGATAAAGCAATAAGTTTTATAGTGGATTAACAAAAACCAGTACA GCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAA TCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAAT CCACTATATAAAGTTACAGGGTGCGGATGCAAACGCATTGCGAGCGCGGGTTTGAGGCAT **ACGCGCAAACATCTTAATATAATGGATTGATATTTATGATTTTCTCCATCATCGTCCCTA** TTTACAATGTGGAAAATACCTCCGCTGCTGCGTGGATTCCGTGCTTGCCGAAAATTTTGC CGATTATGAAATGATTTTGGTCGATGACGGTTCGCCGGGACGCTGCGGGAAGATTTGCGA CGAATATGCAGGCAAATATCCGCATATAAAAGTGATTCATCAAGAAAACGGCGGGCTGTC GGATGCCCGCAACGCCGGTATCCGGGCGGCAAAAGGCGATTACCTAATCTTTTTGGACAG TACAACAACTTGCAGACAAAAAGGTTGATTTGATCCTGCATCCCTCGTCCTTCAATTACC GCGACATCCCCAAAGGGGCGGACTTTTCGGATAATGATTTTGTCCGCCATTTTGAAACGC TGGTGGAGGGGGGGTACTATATCGCCAACGCGTGGACAAAGATTGTCAGGCGGGAAATCA TCATTAAAAACAATCTGTTTTTCCCAAAAGGATACATTCACGAGGATTTCCCGTACAGTT TGCAATTGGCGCGTTTTATCAAGACTTTTGCCTTTTACGATAACCCTTTTTACCAGTACC GCGTTCTCGGCGGCTCTATCAGCCACAACATCAAAAAATTTCAGCGATGTGCTGA CGCATCTCGACTGGGGTGTGGATTTTTTAGTCGAAAACAAAAATTCCCCCATCTACGGCG GTTTGCAAAATTTGTCTTCGACAATATCGGCTATCTGAGGTCTATATTGGTAAGGCTTT ATTTTTCCAAAAACATTATCCTCATCTACCGGAAATATTTTTCATTTAAAGAAAAATGCA GAAAGATATTCGGCGCGAAGGCAATCCGTCCGGTTTTTATCGGGAAGACCGCATTCATCA TAGGATTGCCGATATTGCGCCTGCTCGTACCGCCTATGCTGTACCCGGCAATCAAGGCCG AAGAAACAGCCGCCCGCCGGCGGGGATTGCGGCAATGCCGTCTGAAGCCACGAATCCGG TGCTTTTTGGTAAATACGCGATTACAATCCGCTACATCCGATTTCTACAAAGGATGAAAC GATGACCGACACAGCCGGTCTGCGCCGCCACAACCTGCGGCAGTGGATAGAAAAATACTA CGGCGGTTTGCAAACTCGTTTTGCTGAAGCCGTTGCCCTCAACACAGGCGAACTCTCCGC CCTTTTGAAAAACAAATCCTTCGGCGAGAAAAAAGCCCGTAAAATCGAACAGGCGGCAAA ACACACCATGTCCCATATCTCCCCCATCCCCGAAATCCTAGCCGACATCAAAGCCGGCAA ANTGGTCATCACCGATGCCGAAGACCGAGAAAACGAAGGCGACCTGCTGATGGCGGC

CCTGCCGATGGACGGCGAAATGGTCGAAAAAACTCGGGCTGCCGATGATGACCCAAAAAAA CGGCGCGCAATACGGCACCAACTTTACCGTCTCCATCGAAGCCGCACACGGCATTACCAC CGGCATTTCCGCCGCCGACCGCCCTGACTATTCAAACCGCCGTTTCCCCGACCGCTAA ACCCGAAGACATCGTCCAACCCGGTCATATCTTTCCGCTTCGCGCCCAAAAAGGCGGCGT ACTCGTCCGCGCGGACACACCGAAGCCGGCGTCGACCTGGCGCAAATGAACGGGCTGAT TCCTGCCTCCGTTATTTGCGAAATCATCAACGACGACGGCACGATGGCGCGTATGCCCGA ACTGATGAAATTCGCCGAAGAACACAAGCTCAAAATCGGCACGATTGCCGACCTCATCGA ATACCGCAGCCGTACCGAAAGCCTGCTTGAAGACATGGGCAATGCGCCTGTACAAACCCC GTGGGGCGAGTTCCAACAACACGTTTACGTCGACAAACTCTCCGGCGAAACCCACCTCGC CCTCGTCAAAGGCACGCCGCCGCCGACACCGAAACCCTCGTCCGCGTCCACGAACCCTT CAGTGTGATGGACTTCATTCAAGCCAACCCGCGCCATTCATGGTCGCTGCCCAAAGCCCT TGAGCACATCCAACAAGCCGAAAGCGGCGTCGTCATCCTCTTACACCGCACCGAAGACGG CGCATCCCTGCTCGACCGAACCCTACCCAAAGGCGCAAACCAAGCCTACAAATGGGACAG CAAAAGCTACGGCATCGGCGCACAAATCCTCGCCGGCCTCAACGTCAAAAAACTGCGCGT CCTCGGGCAGCCCTCATCTTTCACCGGCCTGACCGGCTTCGGTTTGGAAGTCGTCGGCTT ATTATTTCCGTGCAAACGAAAACCCGGTCTGTTGGGTTGGATTTTGTTTTTCAAATTTC GGGTAACTTCTAATTCGTCATTCCCGCGCTGGCGGGAATCCGGTTCGTCGGGTTTTTGTC ATTTCCGATAAATTCCTGTGGCTTTGGTTTTTTGGATTCTCTCTTTCAGGGAAAGAACGG CATAAGTATTTTCCAAACCAAACAAAATGCCGTCTGAAAGGCTTTCAGACGGCATTTTAA GTTTGACCGGTTTCATCGGTATTTATGAATTGAATTTCAACATCGCCAATCTATCC TTAATCTCTTTTTCCAATTCGGCAGATTCGGCGAAAAGTTTATCCAAATCCGCTGAAAAT AAATACTGCCCCGCCGACAAGCTGTGATTCTTCGCTTTGATTTCATCGTAGCCGATTACC TTCGCGGGAAAGTACGGTTTTTTTGCCGTCTTTAATTTTTTCGCCCAAGCCCGATGCGTC GATTAATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAA TAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTA AGGCGAGGCAACGCCGTACTGGTTTAAACTTAATCCACTATACCACGTTGTCTTTATTGG CTTTATCAATAAACAGGATAAGACCTGAAAAAAAGCCGATACGCCTTTTTGGTGTACCGG CTTTGCCATACTGTTCTGCTTCAGACAGCATTGCTTCATTTTTGCCTTTAATACTTCTTCG TCCAGCGATTTCAACCATTCCAGCTTTTCGCCGATTTTGATTTCCAACCCGCGCGGGACG ${\tt GGTTGGTAGAAGTCCGGTTCGTCCAAGCCGTCGGCGATATAGCTTTCGCCGGCGGAGTAG}$ GCGTTCGGTTCGTCGTGGGCGTAGCGGTATTCGCGTCCGTAGCCCAATTCCTTCATCAGC TTGGTCGGGGCGTTGCGCAGGTGGACGGGCACTTCGTCGCTAGCGTTTTCTTTGACGAAG TGGCGCATTTGGTTGTATGCCTTGTAGCCCGCGTTGGATTTCGCGGCGGCGCAAGATAC AATACCGCTTGCGCCAAAGCCAGTTCGCCTTCGGGCGAGCCTAAGCGTTCGAAGGTGGCG GCGGCATCGTTGGCGATTTGGAAGGCGCGCGGGTCGGCAAGCCCGATGTCTTCCCAAGCG ATACGCACGATGCGGCGGGCGAGGTAGCGCGGTCGGTGCCCGTCGAGCATACGGCAG AACCAATACAGCGCGGCGTTCGGATGCGAACCGCGCACGGATTTGTGCAGGGCGGAGATT TGGTTGTAGAAACTCTCGCCGCCTTTGTCGAAACGGCGGATTTGCGCCCCGAGACTGTCG GCGAGAAATTCGGCGGTTAAGTTTTTCAGACGACGTGTATCGGCGGCGCGTAAAAGTTGT TCCAACAAATTCAACAATCTGCGCGCATCACCGTCGGCGGTATTCACGAGTAATTTTTGC GCATCCGTTTCAATCGTAAACTCTTGGTATTCAGGCAAAGCCAATACCTTGGCAATCAGC TTTTTCAGGTCGTCTGAAGACAAGGGTTGCAAAACATACACCTGAGCGCGGCTCAACAGC GCGGGATTGACTTCAAACGACGGATTTTCCGTCGTCGCACCAATAAAGGTTAGCAAACCG $\tt CTTTCGACATGCGGCAAAAACGCGTCCTGCTGCGCCTTGTTGAAGCGGTGGACTTCATCG$ ACAAACAAAATCGTCGCGCGTCCCTGCTGCAAAGCGATTTCGGCTTTATCGATTGCCTCG CGGATGTCCTTCACGCCGGAAAATACGGCGGAAACAGGCAAAAACTGGGCGTTGAAACTC TGCGCCAAAATCCGCGCCAACGTCGTCTTGCCCACGCCCGGCGGCCCCCACAGCAACATA GAATGCGGCTTGCCGCCTTCTACCGCCACGCGCAAAGGTTTACCTTCGCCGATGAGGTGT TCCTGCCCCACCACGTCGTCAAGCGTATGCGGACGCAATCGTTCGGCAAGCGGCGCGTCG GGTTCTCGGGCAAACAAATCGGTCATAACGGCTCCGTCAACAGGTTTTCAAACAATATGA TTATACGGCAGGGAACGGCGGCGTGCCGCATACGGATTCCGCCCCTCCGTTTGCCTTAAG CCGATATTAGGCGCATACTGGAAAAGACGAGAGACTTCACACAATATATCCGGCACGGAG ACCGATTCCGCATCGCCATGACAATACCCAAATCAGCGTTTCAATTAAACATTAAGGAGA CTAAAATAGAAAATTTGCTTTATCTACCATTGCTTTGTTGATTTAATCGGCATTATGTTT TGAGGCGGAAGCCCATGAATATACTAATATTCAAGAGATGGAATGGGTGTCTTTATTTTC TGATCCGCAAAGAGACGATGATAGTCTTATAACCCTTAAAGATGAAAAAATCACTGTAAA AAACTATATTGTGCCTTGGTGGAAAAAAGGTGAAAACTTTAGAAAATTAGAACTTGGCGG ATTCGCATTTGAAGTGCAACTTTCCCTAACAGAAAAAGGCCAGTATGCGGTAGCATACGG CCTTTCCTGCAAGAAAGATTGCCATGAGCTACACGCAACTGACCCAGGGCGAACGATACC ACATCCAATACCTGTCCCGCCACTGCACCGTCACCGAAATCGCCAAACAGCTGAACCGCC ACAAAAGCACCATCAGCCGCGAAATCAGACGGCACCGCACCCAAGGGCAGCAATACAGCG CCGAAAAAGCCCAGCGGCAAAGCCGGACTATCAAACAGCGTAAGCGACAACCCTATAAGC TCGATTCGCAGCTGATTCAGCACATCGACCCCTTTATCCGCCGCAAACTCAGTCCCGAAC AAGTATGCGCCTACCTGTGCAAACACCACCAGATCACGCTCCACCACCAGCACCATTTACC GCTACCTTCGCCAAGACAAAAGCAACGGCAGCACGTTGTGGCAACATCTCAGAATATGCA GCAAACCCTACCGCAAACGCTACGGCAGCACATGGACCAGAGGCAAAGTACCCAACCGTG TCGGCATAGAAAACCGACCCGCTATCGTCGACCAGAAATCCCGTATCGGCGATTGGGAAG CCGACACCATTGTCGGCAAAGGACAGAAAAGCGCATTATTGACCTTGGTCGAACGCGTTA CCCGCTACACCATCATCTGCAAATTGGATAGCCTCAAAGCCGAAGACACTGCCCGGGCAG CTGTTAGGGCATTAAAGGCACATAAAGACAGGGTGCACACCATTACCATGGATAACGGCA AAGAGTTGTAGCAACACCAAAATAACGAAAGCATTGAAAGCGGAGACTTATTTTTGTC GCCCTTACCATTCTTGGGAGAAAGGGCTGAATGAGAACACCAACGGACTCATCCGGCAAT

ACTTCCCCAAACAACCGATTTCCGTAACATCAGTGATCGGGAGATACGCAGGGTTCAAG ATGAGTTGAACCACCGACCAAGAAAAACACTTGGCTACGAAACGCCAAGTGTTTTATTCT TGAATCTGTTCCAACCACTAATACACTAGTGTTGCACTTGAAATCCGAATCCAAGGGCAT TTTAAAATCCCGAAGCAGACGCCACGCCCCGAACATTCGTTCTTTAACGCCCGTTTTC AGAATGCCCGCCTGCGGCCATATTTTGCCCGATCAGTTCGGCCTATCCTCTCGCCGTCAAA CTGCGTTTTGAACACCACCTTGATTTCTTTGGAAATCTCGGCAAACAGCTTTTCGGCATG TTTGATTTTCCGCTCTTCGCTTTTTCGCAAATCTTCCGCCCCGTCAGTCCCTTTGGCTTC AATCACAAAGTTCAGGATCTCGCCGCTTTTGGTTTTCACGATATAGGCAAAATCGGGCGA ATACGTGCCGCCGCCAACAGGGATTTTGATGGAGTTTCTCGGTATTTTGGTAAATAC GATTACGCCTTCAATTTGGTTGTTGGCGACATTTTCATGTTCTATATCCGAATCGTAGAA AATCTCGCCGAAGAGATAGCCGGCGGCAGGCCGGTGCTCCGTATCTTCAAATCTGCCCAA CCGGTTGAAGCCGTTTTTGATTTGGGCGATGGTTTGCATATTCAAAAAATCGCCAATGTT CAGTTCGTTGCGGATGCAGTAAAACGCCTGATGCAAAGTCTGCATACGGATTTTTGCCGT TTGTGCCAGTTTTTCCAGAAACTCTCGGTAAGTCATTGTGTTGAAACGGATAAAATCTTC ATCTTCAAAACTGTCTATGCGGCGGGAAAGCATAAGCCCGTTGTTGATATAAGCTTCGTT TACCGCCGTGCGTATGCCTGCCTGTGGGAATTTGGCAGCGTTTTCATGCAAATAGGCGGT AAATAAATCGGCAAATTCGGCTTCATCCTTGATTTTATACTGCAAAACGGCTTTATGGTG AATCAGCTCCCACAAGGCTTTGAGTTCTTCATATTTGCCTTCGCGCATGATGATGGTGTC TTTGCCTTCGTCTTTGGCGTTGCTGACTTTGCCTTTGTCCAAACCTTTGGGGAAGGCTTC GGGATAGGCGGCTTTTAATTTGTCATAGCCGTCTTCGGCAAAGTTTTCATTGTCGTCAAT GATGCCATCTAAAAACAGTTGGTTTACCAATACCAGCGGTTTGATATCGGGGTATTTTTG CAATATTTTTTTTTCAGCTCTTCGGTAAACTTTTTGGAGATTTCTTCCTGAAAAGAATT GTCGTTGATTTCGCCGACAAGCTGCTTCACAAAGTCTTTTTCGCTGCTATCGACAAAATA ATTCAGTTTGTACGGTACATCGCGCACCCGCGCCATCAGCTCGTTTACCGGCAGGCGCAG GCCGCGTCCGACTTCTTGCAGCTTGGAAGTCGTGCTGCCGCTGGAACGCAGTTTGCAAAT CTGGAAAACGTTGGGATTGTCCCAGCCTTCGCGCAGCGTCCATTTGGAAAAAATAAAGCG GCGCGGGTTGTCCAAAGACAGCAGTTTTTCCTTATCGTGCAGGATTTCATTGATTTCCTG CTCGATTCTATCGTCGCTGTCTGTATTGTCTTTGGAAAAATAGCCGCCGTGGCAGGCGGA TACATCGTCCAACGTCTTTTGCAGGTAATCGCGGTAAAACGGGTCGCTTTCCGTTTTCAG ACGGCGTGCCGCTTCCGCGCGAATCCAGCTTTCAAATTTATCTTTCAGGCTGCCTGAAAG CTCGTTGCCGCTGCGGTAGCCCGCGATATCGTCAATAAAAAACAGCGTCAGCGGCTTGAT TTTGGGCTGTGGCGCGCTTCTGCCAAAAGCGCGCGTTCCAGCTTGAAATGTTCGGCAAC CGCCCGCTGCATCATCGCATCCTGCACCGTTTGCGAATAGGAATAAGGGTTGATGACGGC ACCCGTTTTCAACTCCAAGCCGTTGCTTAACACCACCACGGTTTTATTCATTTTGTCGAT TTTCAAATCCGAAATAGCCGGATGGATTTGCGCCAAATCTTCGCCTTTTGCCAGTTTGAA CGTCTGCTTTTTGTCCTTTTCGTTTAATTCAAATTTCGCTTCTTTGCCGTCCGACGACAC CAGTTTTACCGCCGCATCCATGCCGCCCTGCATTCTTCCTGAAACACGCGCACGCCTTT GACCAGCCCGTCGTTAAACGCGTCTACTGCCGTCAAACGGTAAAGCAAGTTGTAATATTC ATCGTTAAATGTTGCACCGTAGCGCAAAATATATTGCGGTTTTAAGCGTTTGATATTGCC CCACGTTTTCGCGCTATCTCGGGTCGGGAATTTATGCGGTTCGTCCACAATCATAAACGG CGTATCGTTCATGGACGACGAATTAACCATGCCCGCGTTAATCAGCAGCACATGAATTTC CTTTTTGTTTTCCGCTTTGACAAATTGCTCAATCGTTATGGGCGCATTGGACTTTTTGCC CTTATTCTTTTTCGCGCTTTCCACCACATAGGTTTTCAGGCGTACGCCTTCATAATCGCC GCCGAAATCCTGTTCAAAATGCTCTGCCAAAGCCTTGCTTTGCAAAAACTGCTGTGTTCC CGCCTTAATGGACAAAGTCGGCACGACCACGATAAATTTGAACACGCCCAGCCAACGGTG CAGCTCGAACATGGTTTGTGTGTAGGTATAGGTTTTGCCCGTTGCCCGTTTCCATGGAAAT ATCAAGGATATTTTGGTCGTCCGAACGGTCGGGGAATCGGCCGTCTATACCGTTTTGGCT GTCTGCCGTCCGATATTTGGGCGTTGCCCCGTCAAACACGCCCAAAACCGCCGAAACCGC CCGCATTTGGTGCGGCTGGTTTTTCTCGTAATTAAAACCGCTCATGAATTGCCTCCGTCA GTCAAGTTCGTGCTGCATGGCGCTTGCCATATTGCTGCCGAATACAATCACGCGGTTGGG ATTGAAATCCGCATCGTCCTCCAGCTTGCGGATAAACGCCAACAAATCGGCGGAAGTAAA ACCGGCATTCATCAGATACAGCCGTTTTTCGCACAGATACGCCGTGTAAGCCCCTAACCG CACAGGCTCAACCGGCGTGGTCAGTGCCGCCCCGTCATACAGCGTCCAGGTGGTCAGAAG CGTTTGCAGCTGTTCTTCGCTTAATTCATCGTTAAGCGGCAAATCCGGTTGTTCGGGCGA AAAATCCTTGTCCGGATGCTGCCTGAAATTGTCTGCCGTTTGAAAGATTTTGAAGCCCGA ATCGCCCGTGTAATCGGGATGTTCGACGCGGATTTTTGGCGGCGCTTTTTCTATGCGGGC TTTGGTGATGTCGAAGATGGTCGGGTAGCCTGCTTTACGGGCTTCGGATTTTTCAGCGGT TTTTTCGGGAAGCTGTACACAGATATAGCGGCGGTTACCGTTTTGTCCTTCGGCGTTAAG CTGCATCACGGCGTGGGCGGTTGTGCCGCTGCCTGCGAAGAAGTCTAGGATTAGGTCATT ACTCTTTGAACTTATTGAAACTAAAAATTTAATCAATTGACTAGGCTTGGGGAAGGTAAA TATTTTGCTACCAAATAAATCTGTGATTTCTTTTGTGCCTTCTTTAGTCATTCCGATATT TTCAGGTAGCGTCCTACTAAAAATAGCCAAATATTCGGCTACTGCATCGGCTAATGTACC AACATTTTCAGGTAATCTACTGCTTACAGCTACTTTGCCAAAATCCTCGCCAGCTTTTTT CATGTCGTCATCTTTAAAGTAACGCATAACTGGATTGCTGATATTTAAGAAATCATAATC ATCAGGGAAAACGATTTTTCCTTTATTATAATAATCTTGAAATGTATCTTTGGTTACACG CCAAGTTGCATTTGGATTTGCTGGATATTTTTTTCCTGTCTTGGGATCAACCATTGTGAA AAAACTATTTGGCCTTTCCGCCGCAGTTGTTTGTTTCGTTAAGTCGTGGGTACGCCAAGG ACGATCGGGGAAATCATCAGTCTCATAATAGCGTCGTTCCTTGCCTTTAGTTGCTGCAAT .. AAATTGGCAAGATTTTGCGAATACAAATATCCATTCATAATCCTGCGAAATACCAAAAGG CACATCTGATTTAGCTGTTCTTTTTCGCCAAGGCAATTGTGCAACAAAATTCCCTTCCCC

AAACACTTCATCACACAACAATTTCAACTGCGCCGCTTCGTTATCGTCAATCGAGATAAA **AATCACACCGTCGTCCTTTAACAGTTCGCGGGCGACATACAGGCGCGGATACATAAAGGT** GAGCCATGCGCTGTGCGAGTTTGAGCCTTTGTCGGTGAAATCTAAAATCCGCGCGGCTTC GTCTTCATCAATATTGGCTAGGCGGGCAAGTTCAGCGGGTGTGAATTTGCGGTCGTCCTG ATAGACAAAGCCGTCTGATCCGGTGTTTTAGGGCGGGTCGATGTAAATCATCTTCACGCT GTTTGTGTAGGCGTTTTTTAAGTGTTTCAACACTTCTAGATTGTCGCCACGAATCAGCAG GTTTTGGCTGCCTGCATTTTCGGGCTTGGCGTTGTGCGTCTTGTCTTCACTTATCAGGGT AAATTCGCGTCCGATGTCGGTCTGCGGCGCGATTTCGGCTTGTAATCTGTCGATAAGGAA ATTTCCGTCTGCGTCAAAACAGGCGGGAAACAGTTTTTTGAGCTGTTCGAGTTGGGTAGA GTTGGCGGTAATGCCGTCTGAAGTGTAGATTGCCTCAGTGTTCGCCCCGGCTGTGTCGCT GTTGGGTTGGGTTGGGTTGGGTTGGCTTGGCAGCATTTTAAAATCCTCGGTTTGA GAAACGGGCGACGCCGTCTGAACGTCTGTCTGCGTGTTACTGCCCGACAACAACGCGACG GATTTTGACGGGCTGTACGGGTACGTTTTGATAAAAGCCGCGCGTGGCGGTTTTGACGCG GCCGATTTTGGAAACGGTGTTCATGCCGCTTTCGACCCTGCCGAAAÁCGGTATAGCCGTA TTGTCCGTTTTTGTAGTCGAGCGAAGCGTTGTCCGCCAGATTGATAAAGAATTGGCTGGT GGCGGAATCGGGGGCTGTCGTCCGCGCCATGGCGATGGTGCCGGCGGTGTTTTTCAAGCC GTTGCCGGATTCGTTGGCAACGGCCTTATCGCTTGCCTTTTGTGCCAAGTCCTCGGTCAA TCCACCGCCCTGGATAACAAAACCGTCGATAACGCGGTGAAAAACGGTGTCGTCGTAAAA GCCTTTTCGGGCATAGCGCACGAAATTAGCAACGGTTTTGGGGGCTTTGGATTCGTCCAA AACCAAACGGATATTGCCCATATCGGTTTCCATCAAAACATGGGTTGCCGCCATAGACGG CAGGGAAACCGCCAAAAGCAGCGCGGTTAAAACGGTTTTGAATTTGGGTTTCATCCCGTC CTCCTCAGACCTTCAGACAGCATTTTCATTTCCTATGCCGTCTGAAGGCTCGTTAACGCT ATTCCAATGCGTCTTTGAGTTTTTGTTCGATTAAATCCGCATCAAACGATTTGGCAATCA ATTCAAAACGCGAGTCGCGCCGCCAAGACACTTGGTTCGCACCCCATTGCCCGTCCACCC AGTTGAGCCACACCCACGTTCCCAATACTTGGAACACGCCTTTGGCACGGACGAGTCCTT CGGTCATATTGGGCAAATCATTGAAGAAGTTGGTCAATTTTTCACCGTCGAAATCGCGTC CGGCGGGAATGTGAAACCTTGCGACTGGAAGCCCATCGTGTTGTCCGGCAGGGCTTTGA GGCGGTAGCGTGATTTTTCGATGACGGGGATGTCAAGCCATTGGATATCGAGTTGTGCGT TTTGAACTTCGACCACTTTAGCCTTGGGCGGGAACAGTTTTGCGGCTTTGTCGTGAAATT CGGCAAGCTGTTCGGGGGTGCATAAATCGGTTTTGCTGGCAACCAATACGTCGCAGATGC CGATTTGGTCTTTATACAATGCCTGCTGCGCGTAATCGGGGTTGATGAACTGGCGCGGAT CGACGACGGTAAAGACTGCGCCGATTTCCAAAAGGCTGTCCAGCGGTTTGGTTTTCAGTT CATCAATGACACTGGCGGCGTGCGCCAGTCCGCTTGCTTCAATCATCAGGCGGTCGGGCT TGGCGTCGCGCAGCATTTTCTGCACGGTTACGCCCATTTGCGGGCCGGCGGTGCAACACA AACAGCCGCCGGCGATTTCTGCCACAGGGATGCCGTTGTCGCTCAATACCGCGCCGTCAA CCATCAGGCTTTTGAGCGCGGTGGTTTTGCCTGTTCCCAGAAAACCTGAAATCAGGTGGA CTTTGGTTTTTTCATTCTATGTGATGTCCCACTTTAAAATTTGAAGATAGGGTGTTTT AAATGATTAAATAATGTTAAAAGTGATGGCAGCTGTTATCATGTTCTTCATCAATTGACA ATTGTTCCAGCAAATTCGATATATCGGCTGACATCGCCGGTATGACGTTCAAAACCGTCT CCCAACGACAGACAGGTTCATTTCAAAGTAGCCATGGGCAATCCTATTGCGCAATACCC CCTCATCCCTATCCAATTCAAATATTTGGTTTCCTCGGCAAATTCCGGATACGATTTAAG TGTGTCGGCAGAAAATTGCCCATAATCCATTTTGTCGGTATATAGCCGGATATATTGCGC GCCTCAGTCAACACCTTATCTCTAAAGTGGGCCGAGATGTCATCGGGTGTCAGCAAATCG GTCCCTGTTTTTGCATCCACCAACAAATCAATGTCGCTGTTTTCCGTATCATCTCCGCGA GAAACCGAACCGAATACCCTTGGATTGCAAATCAATGGATATTTCCCGAAAACTGCCAAT ATTTCTTTCTTCTGCTTTGCAACAAAAGAGACGGTTTCATTATCTGCTCCTTTCGAAAG GCTTATTATCAATGCAAACCACCGATTACTGCTGACATTTTTTACAAATCCCGGTTAAAA CAACGTGTTCTTCTTCAGCGCAAAGCCGCTTTCGGCAACGCCTGCGCGCAGTGCCGCCC ACTCGTGGCTCAGGGTTTGCTCGTCCGCCGTGCCACATTCGGTGCAGACCAAAATAAACG CGCTGTGGTGCGCTTCGGCTTCTTCGTGGTCGTGGCAATGGTCGTCGCACTCGTGCTGCG CGTGGCTGCACAAAATATAGCCGTTGACCGCCGCCACTTTGTGCAAAACGCCCTGCTCCG CCCAAAAATCAAGGGCGGTAGGCGGTAGGCGGTGCAAGCACGCCCTCGCTTTGCTGCT GCATCTGCGACAAGACGTTGTAGGCTTTAATCACGCCGCTTTGCTGCAAGACAATATCTA ATACCTGCTCGCGCAAAGCGGTTACCTGCAAGCCTTCGCTGCGTGCCTGTTCGATAATTT **TCTGTTTGAAATTTGTTTTCATAAATTCTCTGTTTATGCCGTCTGAACAACCGATACGGC** AGGAGGCGGTTTTATATTTGTATTCAATTGCTTTATTTGGAAATCTTTTCCAACAATGCC CGACAGCCCGCATCCGCAAGCCTGAAGGTTTCTTCAAAATCGCCCGTATACCACGGATCG GGGACATGGTCGTAACCGCTTTCGGGTATCAGGTCGGTCAGCTTGAATATTTTTTCCGGC CGCCTGCCGAAGGTTCTTTCCAATTCGGACAAATTCTTGCCGTCCATCGCGATGATGCAG TCAAACGCCGCCGCATCGCTTTGGCGGATTTTGCGGCTGGTAAAGCCTGAAGCATCGATA CCGTGTTTTTTCAATATCTTTGCCGTCTCGCGGTGCATATCTTCGCCGTCGTGCCAGCCC **ATGTATTCCGCCATCGGCGAACGGCAGATGTTGCCGAGGCAGACAAAAAGGATTTTCGGT** TTTTTCATATCCCCTCCCTGTTCCGGCGCGATGCCGTCTGAAGCGGAAACCCTTTCAGAC GAAATGGTTTGGCTAAATCTTAGGCATATTTAATAAGTGTCCAATATTAGAAGCCGTATG CTCCAAATAGAGGCTGGCATTTTTCAAACTATCTTCTAAAGGTTCACTTTTCTCCAAAAT

AGAAAAGGCAGCTTGGATATTTTCAAATGGCAGGGAAGGCAAATCTTCAACGAGACTGCC

ACAAATAGCGACAACAGGAACTCCGACAGGGGTTCTTTTTGCTACACCAATAGGCGCTTT CCCTGCTAAACTTTGACGATCTAGTCTTCCTTCACCAACGATAACCAAGTCAACATCTGA CACTTTCTTATCAAAGTCAATCAAGTCCAGGCAGGTGTCAATTCCAGATACGATACTTGC CTGAGCAAAGGC GCACAAACCACCAGCGATGCCTCCACCAGCTCCTGCTCCTTTAAGTTT TAATGTTGCAGGGGAGACTTTTTCATAAAAATCTTGTATTGCCTGATCTACGGCCTCAAA CATAGTAGAATC CAACCCTTTTTGCTTGCCAAACGTATAGGTCGCACCTTGGTGTCCACA TAAGGGACTCACAACATCTGCTAAAATACGAATGTGAACATCTTCAGGAATTTCATAGCG ATTTTCTGTTGAAACAGAAGCTAGGTTTAGTAAGGATTGACCGCAAACGGGTAAGGCATT TCCATCCTCATCATAAAATTGATAACCTAAACCAGCAGCAATCCCAATACCTCCATCATT ACTGGCCGTACCGCCAACGCCAATATAGATTTCTTTAATTTCTTGACTAATGAGGTGGCG **AATCAATTCTCCAATACCACGAGTTTGGATTTGTAATGGATTTCGTTTCTCTAGCGGGAT** TTTTCCAAGACCAACCAAATCAGCAACTTCGAATAGGGCTAGTTGTTCTTTTTGAAAATA GCGCATGACTTCTTTTTGTCCAAAAGGTCCTGTCACTTGGAGACATTTTTCTTCTAGGTC AAGAGAATGTCGGATAGCATCTACAGTGCCTTCTCCCCCATCACCGACAGGACAGAGGAG ACATTCCACATCTGCTATCGATTGTTGGAAGCCTCTTTTTATTGCTTCAGCTACCTGTTG AGCTGTCAAGCTTTCCTTAAACGAATCCGGTGCAATTACAATCTTCATATTTATAATTCA TCCTTTCGTTTCACTCAAGGCACAACACAGAATGAAAAAGTGTTGTGCTCTTTATTTTGA TTTATTATATAAATGAGAAAGCCTATCACTACAAATCACTATGCGCTGAAAAACGGA TTGTGCCCTTCCCGTTTCAATGCTTCCGCATAGCTCGGGATGCTTTCCTGTTCGCCCAAG GGATTGTGCAACAGGTAAACGTGTTCCACGCGGCACTCCGCCATCAGGTCGAGGAAATTT TGCTGGATGACGGCGATGTTGTCGGTAAAGGAAAGCTGCCACGAAAACACCTGCGGCACG GCAGCGACCACGCCGACGCGCGGACTCTGCATACGGACGCGCGTATCGCGTTTGCCGCA AACACATCCATCGCCATACGTTGGCGCGTGTGGCTGCCGTCTGAAAGCGCGCGTACCGGA GAATCCGGGGAAAGCGGATTGGCAAACAGCGTAACGCCTTCCGATGCAAGATTTTCCTGC CATACCTGCATCAGGGGCAGACCTGCCTGAAGAAGGTTCTGACCCAATGCCGTCTGAACT CGCCACCACTCATCCGGCGCGCGCCCCCCAAATCGGAAGAATGCACAAGATAAGGCAGC GCCTCCGTCGGCAGCTTCATCTCGATTGCACGTTCTTTTTTGCAGCCGGACACCAGCACG ACCGGCAGGGCGAACCACTGCACTTCGCCTTCTTTCTCGCAATCGAGTACCGCGTTCACA CTGGAAAGCAGCGCGCATAAGTTCCGGCATCGGGCGACATCGTCAGCGCGAGGGAAAGG TTGATATAGTGGTTTTGCTCAAGCATTCCCCTGATTTCGGTTTGAAGTTGGCCGGACGAG AGTTTGCGCGAAGCCTGGGAAGAATTATGCGCCAACTGGTAGGCATTGAGCAGCAGGTGG TTTTTAATCGGATTTTGGGGATACGGGCGCGTATCGGGCAAGGTAAATGTCTGGTTCATA TTGCCGCCGGGACTTGCCCGTCAATCCGCCGAAACGAGAAAATGCCTGTCTGCCAAGTCT GCCAATATTTCTTCCACATACACTTCGGCAGGCGGATGGAATGTCAAACCGTCGGGCGTG CGCGACAATTGGCGCATAATGTACAAATGCCCGTATCCGAATGAGGGGGTGCTTTCGTTG TAACGGTTGGCAGGCCGGACAAACGCTTCCGCGCCGTGTTCCACAAAGGCGGCGGCATAG TTTGTAAAGCGCGCCGGCACATAGGTTTTATGGTCTTCAAAAAATGGTTTGCCCGCATTG TCTGATGAAACAGAAAAACGCCCGAGAATGGTTTGCAATAAAAGCTGGGAATTGATTTTC ATGCGGTCAAATTCCAAACCGGGAAATCGGCGGGCGAGATTTTCCGCAACATCTTCCGTT TTAAACGCCTCTCCGGTTTTCATCACATCGCGTATGCCCGAAAGCAGGATATCGTTTTCA TCAAAGTTGATTGTTTCCCCTCTTGCCGGGCGGAAATTCAAACTTTCTATCACTTCGACG GCAACCGACTCATCACGCCTGACAGTATCCCCGACTTCCTCACGGCATAAAAGCGAACGG CGGAATTGGCGGTCGGATAAAATATCACTGTAAAATTCTTTGGCAATATAATCGTCCCCT GCCAATGCCAGAATCCGCTCCCGCGTATGCTCCGCCATCCAAGAAACAAAAGACACGTGC AAATTGGTATCCCCGATATATGCGAGCCTGTGGCGGTTAGCCCATTCGATGAAGCCGTTG ACGTAAATCGGGTCGTTAAACGCCTCCATATATTCGTGTGCGATGTAATAAAAATTATGA TTCAATATTTTTTGAATCGCCGGAAGTTTGCCGCCGCCGTCCAAGCCCTTGTCGTTTTCC AAAATTTCCGCCAGCGCCTTGAGCGCGTCCAAGCCTTTCCGCGTCCGCGCTTCCAAGGGT TCTTCAAGCACATCCCTGCCGGCAAAGTACATAATTTCGCGCAACTGCTCCTGCCGTTTC CAGCCGGGGTAAACATTGTATGAAATATAGGCAATGCCGTGTTTGGTCAGGTTGTTCCAG CAAATCGAAAAAATTTTGTCTTTAACTGCGTCAGGCACCCACGACCAAATGCCGTGGACG ATGATATAGTCAAACTTCCCGAATGACTCATCGATGGTCAAAATATCTTTTTCTTCCAGA GACAGGTCGATACCGACAAATTCCGCATCCGGGTAATAAAGTGCCTGCGTGATGATGTTT CCGCCCATCGAACAGCCCAGCTCCAAGACCTTGGCATTGGCGGCGGGGCGCGGGCTGCAAA CCCATCAGGCGGGCGCGCCCCCAAATTATTGATGGCGGTTTGAGAGAATGCGCCGGAT TCGTACATCAAATCATCATATGAATTTTTGATGTTGGACACGTCCGGCACACCGTTCTCC GGCACTATTGCCCGCAAGTTTAACCAATTCATCCTACCCGTTCAACTAAATCAAATGCCA TCTGAAGGCGCGGAGCGTACTTCAGACGGCATCTGGGAGGCGCGAAGGCTTCAGACGGCA GCCCTGCATCGGTTTGCGCGGGGTCGTATCCGACGGTCGCACTTTTGTTTTCAAGGCTG ACTTCGACGCTTGCCACGCCTTTTACGCCTTCCAATATCCGGGTAACGCTTTTGACGCAG CCGCCGCAGCTCATGCCGCCGATGTCGAGGATAAGGGTTTCCATGATTTTTCCTTTCGTT GGTACTGCATTCTGACGGGCGTTATTGTAAGTCGGGGCGTGAACTTGGGCAAACGCGGAA ACGGTGCGGCGGTTTGAAAAAATACGGACGCTTGCGCATAATGGCGGCAATTCCCATCAG GACAACAACAATGAACGCTTCGCAAAAACCCTGGTTGAGCATCATTGCCTTGGCAATCGG CGCATTTATAGTGGATTAACAAAAACCAGTACGTCGTTGGCTCGCCTTAGCTCAAAGAGA ACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTG

CGGCTTCGTTGCCTTGTCCTGATTTTTGTTAATCCACTATACAACGTCGGTATCGGCGGC GGCGCGCTGCTGGGGCATTGGGTTACGCAATACTCGGGCATTTCCTGCATCGGCGTTGCG GGTATGCTGACGGCGGCGGCAGGTTTGTGGGTCTGCCTGAACCTGAACCGCCATATCCGA GAAATATCCACCCCTGCTTAAAATAACGGGCTTTGCCGTGTTTTAACGCCTATTTTTTGT TGCCGATTTACTGGGGCTTGGCGAAATACCCGTCCGTCCAAAACCTGCTGCTTTTGGCTG CCGGTATGGGCTGGCTCTACCATATCGGCCCTGTATTTGCGGCCAATCATCGTCCTTTATT CCTCCTGCGTGTACCTTTTGGGCGAACTGCTCCGTTCCGATCGCGAAAATACGCGCCGTT TCTGGCTGGGGTGCGGCATTGCCGCCTCGCTGACCGTCTTGGGCTTTTTCAAATATTTCG ACTTTTCCGCCCGATGATTGCCCAATATGCCGGAAAAGGCGGCGCAATCGACATCCTGA GCGCCCGCACGCCGCGTTTCAGCTGGCACGAGCTGCTGCACCTGAGTTTTTTCC CCACCGTTACCTCCGGCCCGATTATCCGCGCCGCCGCATTCAAAAGCGCAGACGGCGAGC AGGCAGGCGCATTGGCGCAAATCCGTACCCGCCGAGCGCGTTCGCCCGTCCGCCCCGCAC CGGAAAACTGGGTGTCGCCCGTATTTGAAAATCCCGCCCAATTCGACGGCTGGGGCGTAT TGGGCGGCGTGTACGGCTATACCTTCCAACTCTTTTTAGACTTTTCCGGATATTCCGATT TGGTTATCGGCATGGCGATGCTGCTGGGCTTTAGGCTGCCCAAAAATTTCTCCGCACCGC TTCGTGCTTTAAACATCCGCGCATTTTGGGACAAATGGCACATCAGCCTTTCCACCTGGA TACGCGACTACATCTACATCCCCTTGGGCGGCAGCAAAAAAGGCTTTTTACGGACACAGC TCAACCTGATGGCGGCAATGGTGCTCTCAGGCATCTGGCACGGCTACGGCTGGAACTTCC TCATTTGGGGCGCGCTGCACGGCACGGCACTGGTGCTCCAACACGGGCGACCGCTATT TCGGACGCGACGCGCTATGCCGTCTGAAATACTTCGCGCCGCTCTCATGGCTCATTACCT TCCATTTCGTCTGCCTTAGCTTTGTCGTCTTCAATACCGCAAATCCCGACGATGCAGGCG CAGTTTTCAGTGCCCTCTTTGCCAATGCCAACGGCTGGAATGCGCCGCAACAGGCAAACA TGCTGTTGCCTCGTTTGCATCCGTGATGCTGCTCTACCCTTACCTGCAACGCGCTT TCGACGGCGCGGTCAAAGGTTTGGAAAAAATCCCGATGTGGCTGTGGTTTATCCCCGTTT CCAATTTTTAAGGGTTTGGACATGAAAAACTTTCTTTCCCTTTTCTCCCCATACTGATG TCTGCCCTGATTGCCGTGTGGTTCAGCCAAAACCCCATCAACGCCTACTGGCAGCAGACC TACCACCGCAACAGCCCGCTCGAACCGCTTGCCGCCTACGGATGGTGGCGGAGCGGTGCG GCGTTGCAAGAAAACGCCTACGCCCTTTCAGACGGCATCAAAGCCTTCCTGTCCGGCGAA ACGCCGCCGACGGCTCAAGACGGCGGTTCGGCAGATATGCCGTCTGAAGCCGCCGCATCC GAAGCCGTCCCTCAAACCGGTGAAACAGAATGGAAACAAGACACCGAAGCCGCCGCCGTC CGCAGCGGCGACAAAGTCTTTTTTGTCGGCGACTCGCTGATGCAGGGCGTTGCCCCCTTC ACGGGGCTGTCCTACCCCTCATTCTTCGACTGGCCGAAAACGATTGAAGAAACCCTGCAA AAACATCCCGAAATCAGCGTACTCGCCGTCTTCCTCGGACCGAACGACCCCGTGGGATTTC CCCGTCGGCAAACTCTATCTCAAATTCGCTTCCGACGAATGGGCGCAAGAATACCTGAAA CGTGTCGACCGCATCCTTGAAGCCGCACACACGCACCGCGTCCAAGTCGTCTGGCTCGGC **ATCCCCTACATGAAAAAAGCCAAGCTCGACGGACAGATGCGCTACCTAGACAAACTGCTT** TCGGAACATTTGAAAGGCAAAATCATCCTGATTCCCACCACGCACACCCTGAGCGGCGGG ANAGACCGCTACACCGACTCCGTCAACGTCAACGCCAAACCCGTCCGCTACCGCAGCAAG GACGGCATACACTTTACCGCCGAAGGACAAAAACTGCTGGCGGCAAAAATAATGGAAAAA ATCGTTTTTGAACCAAGTACGCAACCATCAAGTACACAGCCATGAACCCCAAACACCTCA TCGCATTTTCCGCCCTATTCGCCGCCACGCAGGCAGAAGCCCTACCTGTCGCCTCCGTCA GCCTCGACACCGTTACCGTTTCCCCGTCCGCCCCCTACACCGATACAAACGGGCTGCTGA CCGACTACGGCAACGCCTCCGCCTCGCCTTGGATGAAAAACTCCAATCCGTCGCACAAG GCAGCGGCGAGACCTTCCGTATCCTGCAAATCGGCGACTCGCATACCGCCGGCGACTTCT TTACCGACAGCCTGCGCAAACGCCTGCAAAAAACTTGGGGCGACGGCGGCATAGGCTGGG TTTACCCCGCCAACGTCAAAGGGCAGCGCATGGCGGCCGTCCGGCACAACGGTAACTGGC **AAAGCCTCACCAGCAGGAACAACACCGGAGACTTCCCGCTCGGCGGCATCCTCGCCCACA** TTTCCCTGTTTGCCAAACCCCTGCTTGCCGAACAACCCTGACCGTCAACGGCAACACCG TACACACCGAAATGCCGTGGGACATCGGCTTCATCAACATCGAAAATCCCGCCGGCGGCA TTACCGTTTCCGCGATGGGCATCAACGGCGCACAATTAACCCAGTGGTCGAAATGGCGTG CCGACCGTATGAACGACCTCGCCCAAACCGGCGCCGATTTGGTTATCCTTTCCTACGGCA CCAACGAAGCTTTCAACAACACATCGACATTGCCGACACCGAACAAAAATGGCTGGATA CCGTCCGCCAAATCCGCGACAGCCTGCCTGCCGCCGCATCCTCATCATCGGCGCACCCG **AATCCCTGAAAAACACGCTCGGCGTATGCGGCACACGCCCCGTCCGCCTGACCGAAGTCC** AACAGATGCAGCGGCGCGTCGCCCGTCAGGGGCAGACGATGTTCTGGTCTTGGCAAAACG CCATGGGCGGCATATGCAGCATGAAAAACTGGCTCAACCAAGGATGGGCCGCCAAAGACG GCGTACACTTCTCCGCCAAAGGCTACCGGCGCGCGCGGAAATGCTCGCCGACAGCCTCG AAGAACTCGTCCGCTCCGCTGCAATCAGGCAATAATCGGACAGGAGGCGGACGGTATTTC CGCAACAGGGGGATGCCGTCTGAAACGCATACCTTCATATTGCTTCAGACGGCATAGCCA CCCGCGCACGGTTTGCCGGACGCAACCGGCATTCGCCTCAGGCATCGGAAGGACGCAGG CGAACCTCCGGCATACGGCGCAAAGGCGGCGTTTGATATGCCGTCTGAAGGCAAAGATGA TARACTGCCGCCTTCCGTTTTCAGACGGCATATTGTTTTCAAATGAGGGCGTTCTCCGTC CGCAACCATAAAGGAAGTTTCATGAACCGGACTTATGCCAATTTCTACGAAATGCTCGCC GCCGCCTGCCGCAAAAACGGAAACGGCACGGCAGTGTTCGACGGCAAGGAAAAAACCGCC TACCGCGCGCTCAAGCAGGAGGCCGAAGCCGTCGCGGCGTATCTGCAAAATATCGGCGTG **AAGTTCGGCGACACGGTCGCGCTGGCGGTTTCCAATTCGACAGAATTTATTACCGCCTAT** TTCGCCATCTCCGCCATCGGCGCGGTCGCCGTACCGATGAACACATTTTTGAAAAACAGC

AAAAGCCGTCCGACCGGCGAAACGGCGGAAGGCGATGCCTTTTTTGAAGACGTGCGCCGC TTCCCCGAAAACCCGACTTGGGCCGCCAACCCCGGATAAATGATTTGGCACACATCATC TACACCTCCGGCACGACGGGCATCCCAAAGGCGCGCTAATCAGTTACGCCAACCTGTTC GCCAACCTGAACGGCATCGAACGCATCTTTAAAATTTCCAAGCGCGACCGCTTTATCGTT TTCCTGCCGATGTTCCACAGCTTCACGCTGACGGCTATGGTGCTGCCGATTTATATG GCGTGTTCGATTATTTTGGTCAAATCCGTTTTTCCGTTTTCCAACGTTTTGAAACAGACA CTGCTCAAACGCGCGACCGTGTTTTTGGGCGTACCCGCGATTTACACCGCGATGAGCAAG GCGAAAATCCCTTGGTATTTCAGATGGTTCAACCGCATTCGCCTGTTTATCAGCGGCGGC GCGCCTTTGGCGGAACAAACCATCCTCGATTTCAAAGCCAAGTTCCCCCGCGCCAAATTG CTGGAAGGCTACGGACTGAGCGAAGCCTCTCCCGTCGTCGCCGTCAATACGCCCGAGAGG CAAAAAGCCCGCAGCGTCGGCATCCCCCTGCCCGGTTTGGAAGCCAAAGCCGTCGATGAA GAATTGGTCGAAGTGCCGCGCGCGAAGTGGGCGAACTGATCGTCAGGGGCGGTTCGGTG ATGCGGGGCTACCTCAATATGCCTGCCGCCACCGATGAAACCATCGTCAACGGCTGGTTG AAAACGGGCGATTTCGTTACCATAGACGAAGACGGCTTTATCTTTATCGTCGACCGCAAA AAAGATTTGATTATTTCCAAAGGTCAAAATGTCTATCCGCGCGAGATTGAAGAAGAAATC TACAAACTCGATGCCGTCGAAGCCGCCGCCGTCATCGGCGTGAAAGACCGTTATGCCGAC GAGGAAATCGTCGCCTTCGTCCAATTGAAGGAAGGTATGGATTTGGGCGAGAACGAAATC GACGGGCTGCCGCCAACGCTACGGGCAAGGTATTGAAACGGGTGTTGAAGGAGCAGTTT ACCTGCTCGTGCGCCATCAGTTCCTGACCGACATCATCCAACAACATCAAATAACGTTCG TAGTTTTTCAAAATGTCGGCAATCAGCTCGTCCTTGTTCATATACTGCACATCGTACCCG ACGCGCCCGTCGAAAAAATAAGCGTAGGGTTTGTAAGTTGTCTGATGCCGGATATGCGGC AGCTTGCCGTCGTTAATCAACTGGTCGGATACATCCTGCCCGACAGACTTAATCCCGTAC ATAAAATCGCGCATCGTCTCTTTCCGAATGACGAACTCGATTGCGGGCTCGTCCCGATGA AACATTTTATCGACCCGGACGCTCAAGCCGTATTCTTCCGAAAGCTCCCGTTGCAACTCG TGCATAGCGGGCGATGCAGTCTGTTTGAGGAATTTTAAAATATCCTGCTCCTGCGTCTGG CTCATTATCTGCACCAGCCGTTCTTTCCACTTGCCGCCCGTCCAAAATACACTGGTAGGG TTAACCCGGGTCTCAAAATATTTCTTATCCGCACTCAAGCCTTTCCACAGGCTGAAACAC ATTATCAGCATCAGCAGGGCAAACGGCAGGGAAACAATCAGGGTCATAGACTGCAGGTTG CCGAGTCCGCCCGAGCGCATCAGCAAAACGGCAACGGCAGACATCAGCACGCCCCACATA ACCGCCTGCCACCGTGGCGCGCTCAAGCCTTTGTCCCGAGAGGTAATATTGTTCAGGACA TAAATCCCGGAATCGGCAGAAGTTACAAAAAACAGAGAAATGACCAGCAGGCTGACGATG CTCGTCAATTCGGGCAGGGGAGGTAATTAAAGAATTTAAAAAAGCAGCGTTTCCGGAGAG GAGGTCATCTTTCGAGCATTCCCCCCGCAACCCCGTCATTCAGCCAAATCGCCGTATTG CCGAAGACGGTAAACCACAAAACGCCGAACAGGCCGGGGATGAGCAAAACCCCGAAGACA CAAGAACACCACGCCCAATAAAGCACCGTCCAAGATTCAAACCACGGCTTGTGTTCC CGTTCGTACGCATAAGTTTTAAAACTGAGGCGCACCAGATTTCCGAGGTAGTTCCCTATG TTGTCGCCGAATGCCGACAACAGGTAAACAGTGGGTCCCGCCGCCAAAACAAAAAAACAGC AGCAAAAACGCAAGGCCCAGGTTCAACTCGCTCAACACCTTCACGCCCTTCCCCACGCCG GATATTGCCGAAACGACGGCGAGGGACATGACGGCGGCGATAATCAAAACCTGCACGCTG AAGCTGTTTTCGGCAATCCAGCCCATTTCCTGCAATCCGGCGCCCAGTTGCGAAGCCCCG TCGCCGAACCTTCCGGAAATTTTTTCTTTCAACAGGGGGTAAAAACAAGAACGCAGGGCA AGCGGCAGCTTGTAGCGGAAACCGAAATAAGCCAAAGCCAATGCAATCGTACCGTACACC GACCAAGCGTGAACGCCCCAATGGAACACCGTGTGCAGCAATGCCTGCTGCTGTGT TCCGGCGTGCCGGCCGTAATGTCCGAAAAATAATGCATCAACGGCTCTGCCACGCCGAAA **AATTCCGGCACATCTTCATCCCGTCCGAGCCTGATGTTTCCCAAACTGCTGACCGAGAGT** ATCAGCAGGAAACCCAGAAAAATGGAAAACGTTAAAACATAAAACCAGCTGAACTCGGTA AAAATGACTTCTTTTGCCCGATCGAGCCACATCTGCACCTGATCCGGCACGGTTAAAACC AATACCACCAAAACACACACAAAAAACAAAGTCGTCAAAATAACCATCGGATTAAATGAC GTTCGGCGTTCTATAAATTCAGACAGGGACAAACCTTCTCACTCCTTTGTTAAAAACAGA CAAACCCGGTCATCGGGCAAAGCGGTCAAAACCTGCCGGTAAAATACCGGCTTCCGGATG ACGAAATGCACAAACCGGCCGAAATTGTTATAATCGAAAAAATTAAAAATCAATACGGAT TATTCTATCAGATTGATTTATCGATATTTATTATATCATTAATATAGTTTGATTTCAAAC CGGCGGAAAATGCGCCGCCCACCGCAGGCGCGCCCTCCCCGCTATCGGGGCGTTTAACGC CGGATTGCCGATGCGGTACAATGGCTGATATGAAGAAAATTACCCCTCAAAACCTGCGCC CCCTGCTTTCGGAAAGCTTGGGACATACCGATTTTGTCAACGTCCTCAACGCACTGATTA AATTTTTGCGCCGTGGCGCAAAAAATGTGCGGGGGAACGTTTCGACCTGATTATCGACA CATTCAAACAAGACAGGGAATTACTGTCCCGCTTCAGCCGGTGTTTTTACATTTGGCTCG CGCAAATACACATTTATCCGGCACTCATCAAACTCGGCATCTTCTCGCGCCACAGCTTTG CCCGGGAAATGGGCATACGCATCTACGAACGCTTCAGCCCGTCATATAAAGATTTTGCCA ACTTGGGCGAAGTCTTCCTTTATCTTTTCCATTCCGAAAACGACGACAAATGGCTGCAAA CGCTCAATATCCGCCAATGGCTGGTTTTATACGAACTCATCCGGAGCCACGCCGAGCCGT CCAAATTGCAGACGGCGGCATCCGCCTTGCCGATGCGCGTTTGCGCGCCATCGAAATGC TGTCTGTCTGGACGGCATCCGAAGCCATCGAACCCGACCTCATCCGCATCGCCCCGCGCC TGCTGGAAGCCGATTCTTCCTTCGTCGCCCTCCAACGCGAAACCGCCAAACTGGTCGAAC ACTACCGCAACGCCACCCCTTACGACACCGCCCACCTCGAAGTGATGTTCGACCAAT ${\tt GTTTCAGCCAGATTGACTATTTGCGCGGCAAAGGGACGGGCGCCGGCTCCGGTTCGTCGG}$ TCAAAGTCGCCCACCTGCTCGAACGGCTCCGGCAGACCGTAGACCGTCTGAAGCTGCTCA CCGACATCCAAACCGGCGCCGGCAACAGCAACCGCCTGACCATCGCGCTGATGAACTCCC TCATCTACGCGGCGGTCGAACAATACAGCACCCGCCACCTGCGCCGCAGCAGCATCCGTA TGCTCGCCCGCAGCATTACCGAAAACAAAAGCCACCACGGCGAACACTACATCACCCGCA **ACCGCAAAGAATATTTCAAAATGTTCTACTCGGCGGCAGGCGGCGCGCATCATCATCGCCC** TAATGGCGCTGCTCAAAATCCGCATCGGCTCACTCGGCCCTCAGCCCCTTCCTCACTTCCT TGTCGGCTGGGTTCAACTACGGCATCGGCTTTATGATCATCCATATGCTGCACTGCACCG TCGCCACCAAGCAGCCCGCGATGACTGCCGCCAGCTTTGCCGAACAGGTCGATCTCAACG AAGGCGGCAAAGCGGTGGACAACAAACTCGCCAAGCTCCTCATCGACGTATGCCGCTCCC AAAGTGTCGCCGTCTTCGGCAACGTTTCCATCGCCATCCTTTTGGCGTGCGCCATATCGT TCGGCTATGCCCATCTGTACCGGCTGCCCATACTCGATGCCCACACCGCCGCCTACCAGT TCAAATCCATAGACATCATCGCTTACCCGACGCTGTGGTATGCCGCCATTGCAGGTCTGT GGCTGTTCTGCTCCGGCATCATCGCAGGTTTTTTCGACAACCGCGCCGACTACCTCAACC TGCGCCAACGCCTGCCCTTCAACCCCTTGCTGCGTAAAATCATGCGCCCCGGGCCCCGCC GCGTCCTCGCCGCCTACATCCACAAACACTACGGCTCGCTGGTCGGCAACTTCATCTTCG **GGATGCTCTTGGGTATGACCGGCTATTTCGGACACCTCCTCGGGCTGCCGCTGGACATCC** GCCACGTCGCCTTTTCCTCCGCCAACCTCGGCTATGCCGCCGTCAGCGGCAACGTCGGTT TGGGCACGTTCGTACTCGGCATTTTCAGCGTCCTCGCCATCGGCCTGGTCAACCTCTGCG TCAGCTTCAGCCTCGCCCTCTTCGTCGCCCTGCGCTCGCGCGCACGAAAATCGGCAGCA TCCGCAATCTGATTAAAAGTTTTTGGAATCAGATTAAAAGCAATCCCTGCATACTTTTCC TCCCGCCGCCAAAGAACAGGGACATCCTCCTTCGGACAAGCCTTGACCGGCAATGCCGT CTGAAGCGGGATTCGCCCCGAATACCGCCCTGATGCGGGAAATCCCCATAAAAGGATGCA AAAATGCCGTCCGAACCGAAACGTGGTTCAGACGGCATTTTAAAAAACATTACAATCCCG ACTGCCATACCGTATAAAAATTGTTCAAGCCCAAATAATATTCAAACACGCCCGGTGCGG TTTCCAGTTTGAACAAAACCGCCTTTTCATCATCTGCAAGCTCTTCGCCGGGGATGATGC CGTACGCCTTCAAATCCGCCACCGTCCGCGTCAGGGCGGTTTTTTTCGCCAATGATTGCCT CGTGCTGCTTCATATAATTGGCAACCGATGCCGCGACATCGCCGACGTTGCCCCATATGT CCCGATGTCCGTCCCCGTCATAATCCACCGCCCATTTCCGGTAGCTCGAAGGCATAAATT GCGGCATCCCCATTGCGCCCGCATAGCTGCCTTTAAAGGCGAAAACATCGCCGCCTTCTT CTTTTGCCAGCTTTAAAAGCTCGACCAATTCTTTTTGGAAAAACCCGGCGCGGGGGGT **AATCAAAGCCTAAGGTCGCCAATGCGTCCGCCACACGGAAACTGCCCGTATTTTTGCCGT** TAATCTTGACGATGTCCGCCTTGTAAGCCGCTTTGTCAAAAAATCCTGCCATTCCGCCC GGGAAAAATCCCCTTTCCCGACTTCATCGTCCACAAAACGGCGGACATTTGCATTGGCGG CAAACCCGCTGTCGGATACCGGTACGGCTGCCGCGTCAAATACGGCTGCCGCGTCAAACG CGGGGCGGCTTTCTTTTTCATTTCAACCGCGGGGGGGCTTGGGCTTCATTTGCCCGGG GTATTTTCTCTTTTTCATAAATATGTTCCGAACAAATAGGGTAAGTGGGAAAGCGGCAC AAGGGGGCGCGCAAATGCGGCATCCGCCGCAATCGGCGGCTTTGCGGAATGCCGCACG TTGCCTCTTGCACCGCCCGAAATCCGTATGTCGTCGCCGAAAATGCCGTCTGAAGGCACT TCCCCTTTCAGACGGCATTGCCTGCCGCCGTATTTGCCCGCTACCCGCAATATCGGCAGT CCAATATATCTTTGCGGATGTCGTTCAGCAGGAAGGCTGCGGTGTCTTCGTGTTTCGCCT GTACGAAGACAAAGAGTCGGGCGATGATTTTGCCGATAAAGACTTTTTGCAGGGCGCAGG CATCGGTCAGGGTGTTCCTGCAGGAAGCTGCGGATGTCTTCAGGCAAAGTGTAGTCGC GGGCGACGGCGAAAGCGGCATCGGTTTGCAGGCGGTCGAGCAGGGTTTGGTTTTTGT CCAACTTCATGCCTGCTTCTTTTCTTCGGCGGTGGCGCGGACAAACTGGTCGTAAATTT CGGCATAAAGCATATCGTTCGGGCCTTCAAAAATCGTGAAGGGGCGGATGTCGATAGCGA TATTGCCGGCGGTGTGTCCGCGTTCAAAACCCTTCGCACCCAAGAGTTTTTGCAACATTT GCGCGGCGCGTAAGTGTATTCCGTGGCGAGGGTTTTGACGATGTTCGCCTCCATCAGCT GATGGGCGACGGGGCAACAGGCGAAACGGAATGGCAGACGTAGCGGTAAAGAATCTCGG AAACCTGATGGCGGCGCGGATTTCGCGGCGTTCGTAATCGACGAATTTGATGTCGTTGC GGACGTATCGTTCCAGATTTTCAAGGATGTATTCCATAATGCCGTGCGTCATGCCGATCA **GTTGCAGGCGGCTGCGGATAAAGATGTTTTGGAACGCGCGCAAACCGGCAGCGTCGCTCT** GGGAGAGTTTCATCACGGCGGTTGCAGGCATTTCGGCATCGATGCGGTTGACGGCGTAAC GCAGCAGGTCGATGACTTTGGCGAGTTTGCCGTTTTTGCGCTCTTTTGGCGCCAACGAGGA GGAAGTCGCTTTGCGAGTTGCCCTGCCAGTATTTCGCGGCGTTGACGTAAATGGTTTGTC GTTCGGTAACACCCAAACCGCCGCCCTCGCCTTTGAAAATCATCTCCAAACCTTGCGCGA CTTGCGCTTCATCGCCGAACTCTTGCAGTGGCTGCAACACCAGCGCGCCTTCGATGCCGG TACGCAGCGTAACGGGCACGCCGTAATGCCCCGCAATCCGCAGGACTTCTTGGATTTCAA ACTGGCTGCCCTTGCGCCCGCCGTATTTTTTGTCGAGGAAGGGCAACAGCAAACCCGCCT GCTTCAAGGCAAGCCATTTGTCTTCGGGCAGGTATCGCATCAGGTCGATACCGTCTGAAA **AAATGCGGCGGAATGCGGATTCGATGTGCTTTAAAAAAGCAGCCGTGTCCATAGTTGACG** GCTGCGCGCTCGGTTCGGTGTATCATCGGCTTCCTCTGTCGGTTCCCATTAATCGGCG GCCGGTCAAACCGCCTGCCACAGTTTAGAGTTGATTTTCTAAACTTTACCACAAAGTGCG CCGGGCAACAATCCGCCGACCTTTCAGACGGCATCGCGTCCCCTCCCGTGCTAAAATGAC CGTTTGCATCACTGTCCGCCGATTGCCGCACTATGACCTACCCCATCCCCAAACCCCGTG AAAAATCCCGTTGGCCCAATCTTTCGCAAGGCTCGCTGCCCTTGGCTTTGGCGCGTTATC TGCCGCACAAGCGGCTCAAGGTCGTGCTGACCCAAGATGCGGAACAGGCGTTGCGCCTTC AGACGGCATGGCGGTTTTTCCGTCCGCACGACACGGCGGTGTTCCTGCCGGACTGGGAAA CGCTGCCTTACGAGCGTTTTTCGCCGCATCAGGATTTGGTGTCGGAGCGGCTGTCGGCGT

TGTGGCAGATTAAAAGCGGCGGGGGGGTTGTTGTTCGTGCCGGTTGCCACGGCGATGC AGAAGCTGCCGCCCGTGCCGTTTCTGGCAGGGCGCACGTTTTGGCTGAAAACGGGGCAGA CTTTGGATATAGGCCGTCTGAAAAGTGATTTGGTGGATGCGGGCTACAACCATGTTTCCC ACGTTGTCGCGGCGGCGAATTTGCCGTGCGCGGCGGTATAGTCGATTTGTTCCCGATGG GCAGCGAAATGCCGTACCGCATCGATTTGTTTGACGATGAAATCGACAGCATCAAAACCT TCGATACCGAAACGCAACGCACCATTTCCCCCGTTTCCGAAATCCGCCTGCTGCCGGCGC ACGAGTTCCCCACCGACAGCGAGGCGCAAAAAATCTTCCGCAGCCGCTTCCGCGAGGAAG TCGATGGTAATCCGAACGATGCGGCTGTGTACAAAGCCGTCAGCAACGGTCATTTCGGCG $\tt CGGGCGTGGAATACTACCTGCCGCTGTTTTTTGAAAACGAGTTGGAAACGCTGTTTGACT$ ATATCGGCGAAGATGCGCTGTTTGTCTCTTTAGACGATGTTCATGCCGAGGCAAACCGTT TTTGGAGCGATGTCAAATCGCGTTACGCGATGGCGCAGGGCGACGAAACCTATCCGCCTT TGCTTCCACAGTATTTGTATCTCTCTGCCGATGTGTTCGCAGGCCGTCTGAAAAACTACG GACAGGTGCTGCCCGATGTTTCCGGCAAGGAATACACCCTGCCCGACCTTGCCGTCAACC TTTTGCTGTGCGCCGAAAGTTTGGGACGGCGCGAAACTATGCTCGGTTTCTTGCAGCAAA ACGGTTTGAAAGCCAAACCCGTGTCCGACTGGCAGGGCTTTTTATCGGCACACGAGCCGC TGATGATTACAGTGGCGCCGTTGGCATACGGGTTCAAACTGGGCGGACTGCAATCGCCGA ACCAACAGCAACCTACTCCCTCCCCGTGGGGAGGGTTGGGGAGAGGGCAAAGCAGTTG CCGCTCAAACTGAATTTTCCGCAGCCGCAATAAACCCTCTCCCTAGCCCTCTCCCACAGG AGAGGGAACAAAGTGCAGCCGCCGTTTCAGACAGTCTGAAAGCAGCCGCCGTTTCAACCG AAAGCAGCCTGCCCTCGGTACAAGTAATCTGCACGGGCAAATCCGACAGCAACCTGCCC CTTCCCCCGTGGGGGAGGGTTGGGGAGAGGGCAAAGCAGTTGCCGCTCAAACCGAATTTC CCGCATCCGCAACAACCCTCTCCCTAGCCCTCTCCCACAGGAGAGGGGAACAAAGTGCAG CCGCCGTTTCAGACGACCTGAAAACCAAAAGCAGCCTGCATCCCGTCGCAAATAATCTGC AAGCAGTTGCCGCTCAAACCGAATTTTCCGCAGCCGCAACAAACCCTCTCCCTAGCCCTC TCCCACAGGAGAGGGAACAAAGTGCAGCCGTCGTTTCAGACAGTCTGAAAGCAGCCGCCG TTTCAACCGAAAGCAGCCTGCCCCCGGTAAAAGTAATCTGCACGGGCAAATCCAACAGC AACCTGCCCCCCCCGTGGGGGGGGGGGTTGGGGAGAGGGCAAAGCAGTTGCCGCTCAAA GTGCCATCGCCGTCATCACCGAATCCGATCTCTACCAATACGTCGCCCGTTCGCGCATCC ACAACCGCCGCAAGAAACACGCCGCCGTTTCAGACGGGCTGTTGCCGCACCTTGCCGAAA TCAATATCGGCGACCCCGTCGTGCACGAAGAACACGGCATCGGGCGGTATATGGGCTTGG TAACGATGGACTTGGGCGGCGAAACCAACGAAATGATGTTGCTCGAATACGCAGGCGAAG CGCAGCTTTATGTGCCTGTTTCGCAACTGCATTTAATCAGCCGCTACTCCGGTCAGGCGC ATGAAAACATTGCCCTGCACAAGCTCGGCAGTGGCGCGTGGAACAAGGCGAAGCGCAAAG CCGCCGAAAAAGCGCGCGACACCGCCGCCGAATTGCTCAACCTCTACGCCCAACGCGCCG CCCAATCGGGACACAAGTTTGAAATCAACGAGTTGGACTATCAGGCGTTTGCCGACGGCT TCGGCTACGAGGAAACCGAAGACCAGGCCGCCGCCATCGCCGCCGTGATTAAAGATTTGA CGCAAGCGAAGCCGATGGATCGCCTTGTGTGCGGCGATGTCGGCTTCGGCAAAACCGAAG TCGCCCTGCGCGCGCGTTTGTGGCGGTGATGGGCGGCAAACAGGTCGCCGTACTTGCTC CGACCACGCTTTTGGTCGAGCAGCACGCGCAAAACTTCGCCGACCGTTTCGCCGATTTCC CCGTGAAAGTCGCCAGCCTTTCGCGTTTCAACAACAGCAAAGCCACCAAAGCCGCGCTGG AAGGCATGGCAGACGGCACGGTCGATATTGTTATCGGTACGCACAAACTGGTGCAGGACG ACATCAAATTCAAAAACTTAGGTTTAGTGATTATCGACGAAGAACACCGCTTCGGCGTGC GTCAGAAAGAGCAGCTCAAACGCCTGCGCGCCAATGTTGATATCCTTACCATGACCGCCA CGCCGATTCCGCGTACTTTAAGTATGGCGTTGGAAGGACTGCGCGACTTCTCGCTGATTA CCACCGCGCCCAGCCGCCGCCTCGCCGTCAAAACCTTTGTCAAACCCTTTAGCGAAGGCA GCGTGCGCGAAGCCGTGTTGCGCGAACTCAAACGCGGAGGACAGGTATTTTCCTGCACA ATGAAGTAGATACGATTGAAAATATGCGCGAGCGGCTGGAAACCCTGCTGCCCGAAGCCC GCATCGGCGTGGCGCACGGACAACTGCGCGAGCGCGAGCTGGAACAAGTCATGCGCGACT TTTTGCAGCAACGATTTAACGTGTTGCTCTGTTCCACCATCATCGAAACCGGTATCGATA TCCCCAACGCCAACACCATCATCATCAACCGCGCCGACAAATTCGGACTGGCGCAACTGC ACCAGCTTCGCGGGCGCGCGCGCAGCCATCACCAAGCCTACGCCTACCTGCTCACGC CCGAATACATCACTAAAGACGCAGAAAAACGCCTCGATGCCATTGCGGCGGCAGACGAAC TCGGCGCAGGTTTTACCCTAGCCATGCAGGATTTGGAAATCCGTGGTGCAGGCGAAATCC TTGGCGAAGGACAATCCGGCGAAATGATACAGGTCGGCTTCACGCTCTACACCGAAATGC TCAAACAAGCCGTTCGCGACCTCAAAAAAGGCCGCCAGCCCGACCTCGACGCACCGTTGG GCATCACCACCGAAATCAAACTGCACAGCCCCGCCCTGCTGCCCGAAGATTACTGCCCCG ACATCCACGAACGCTCGTCCTCTACAAACGCCTCGCCGTCTGCGAAACCGTGCAACAAA TCAACACCATACACGAAGAACTCGTCGACCGCTTCGGCCTGCCCGAACAACCCCGTCAAAA CCCTTATCGAAAGCCACCACTTACGGCTTATGGCAAAAGAATTGGGTATCGATGCCATTG ATGCGGCCGGCGAAGCGGTAACGGTAACCTTTGGTAAAAACAATAATGTCGATCCAACCG AAATCATCCTGCTGATTCAGAACGACAAAAAATACCGCCTTGCCGGCGCGCGATAAGCTGC GGTTTACCGCAGAGATGGAAAATATCGAGGTCAGAATCAACACCGTAAAAAACGTTTTAA AAACCTTGCAAAACAGATGCCTGCCCAAATAAAGCCGACACCGCAATGCCGTCTGAAACA CCGTTTTCCTTGTCCGAAAGCCGCCATTATGAATTTGAAGGAAACTCCACTATAATACGG CATTCAGATTTCCAGACGGCATCGCGCCCGTCAAACCGCACACAAACCAAAAGGAAATAC ATGTTCCGTACCATGCTTGGCGGAAAAATCCACCGCGCCACCGTTACCGAAGCCGATTTG AACGAAAAAGTCGCCATTGTCAACAACAACAACGGCGAACGTTTTGAAACCTATACCATT GCAGGGAAACGCGGCAGCGGCGTGATTTGTCTGAACGGTGCTGCAGCCAGGCTGGTACAG AAAGGCGATATCGTCATCATCTCTTACGTCCAACTCTCCGAACCCGAAATCGCCGCA CACGAACCCAAAGTCGTCTTGGTAGACGGAAACAACAAAATCCGCGACATCATCTCCTAC GAGCCGCCGCACACCGTGCTGTAATTCCGCAAACGGACATCGATTATGGATATTAAAATC **AACGACATCACCCTCGGCAACAACTCGCCCTTCGTCCTATTCGGCGGCATCAACGTTTTG** GAAAGCTTGGATTCCACCCTCCAAACCTGCGCGCATTACGTCGAAGTTACCCGAAAACTC TATCGCGGCGTAGGCTTGGAAGAAGGCTTAAAGATTTTTGAAAAAGTCAAAGCAGAGTTC GGCATCCCCGTCATTACCGACGTACACGAACCCCATCAGTGCCAACCCGTCGCCGAAGTG TGCGATGTCATCCAGCTTCCCGCCTTTCTTGCGCGGCAGACCGATTTAGTGGTTGCCATG GCAAAAACTGGCAACGTCGTCAACATCAAAAAACCTCAGTTCCTCAGCCCCTCTCAAATG **AAAAACATTGTGGAAAAATTCCACGAAGCCGGCAACGGGAAACTGATTTTATGCGAACGC** GGCAGCAGCTTCGGCTACGACAACCTCGTTGTCGATATGCTCGGTTTCGGCGTGATGAAA CAGACTTGCGGCAACCTGCCGGTTATTTTCGACGTTACCCATTCCCTGCAAACCCGCGAT GCCGGTTCTGCCGCATCCGGCGGTCGTCGCGCACAGGCTTTGGATTTGGCACTTGCAGGC ATGGCAACCCGCCTTGCCGGTCTGTTCCTCGAATCGCACCCCGATCCGAAACTGGCAAAA TGCGACGGCCCCAGCGCGCTGCCGCTGCACCTTTTAGAAGATTTTTTAATCCGCATCAAA GCATTGGACGATTTAATCAAATCACAACCGATTTTAACAATCGAGTAACACGGTTTCGCC TTATGATGCAGACTTTCCGAAAAATCAGCCGGTATGTCGCAACCTTGTGGCTCGGTATGC AGATTATGGCGGGTTATATCGCCGCACCGGTGCTGTTCAAAATGCTGCCCAAAATGCAGG CGGGCGAAATTGCCGGCGTATTGTTCGACATCCTCTTTGGAGCGGGCTTGCCGTTTGGG GCGCGGTACTGGCTGCCGCCTTTGCCGCCCTAACCCGGCGGCAAACCGCCCTGCTGCTTT TTTTATTGTCCGCCCTTGCCGCCAACCGATTCTTGATTACACCCGTTATCGAGGCACTGA AATACGGACATGAAAATTGGCTGTTGTCGTTTGTAGGCGGATCCTTCGGAATGTGGCACG GCATTTCCAGTATTGTTTTTATGGCAACCGCCCTACTTCAGCAGTTTTAAGTTGGCGGC TTTCCGGCAAAGATGCCGTCTGAAGCCCTCCCATTTTTTTACCTCCCTTCACTTCACTTG GAGAACATTCATGAGCGCAATCGTTGATATTTTCGCCCGCGAAATTTTGGACTCACGCGG CAACCCCACAGTCGAGTGTGATGTATTGCTCGAATCCGGCGTAATGGGACGCGCAGCCGT ACCGAGCGGCGCGTCCACCGGTCAAAAAGAGGCTTTGGAACTTCGCGACGGCGACAAATC CCGTTATTCGGGCAAGGCGTATTGAAGGCGGTCGAACACCTCAACAACCAAATCGCCCA **AGCCCTCATTGGTATCGATGCCAACGAGCAATCTTATATCGACCAAATCATGATCGAATT** GGACGGTACTGAAAACAAAGGCAATTTGGGTGCGAATGCGACTTTGGCGGTTTCTATGGC GGTTGCACGCGCCGCTGCCGAAGACTCAGGCCTGCCGCTTTACCGCTACTTGGGCGGCGC AGGCCCGATGTCCCTGCCCGTACCGATGATGAACGTCATCAACGGCGGCGAACACGCCAA CAACAGCCTGAACATCCAAGAGTTTATGATTATGCCCGTCGGCGCAAAATCTTTCCGCGA AGCGTTGCGCTGCGGTGCGGAAATTTTCCACGCCTTGAAAAAACTGTGCGACAGCAAAGG CTTCCCGACCACAGTCGCCGACGAAGGCGGTTTCGCCCCCAACCTGAACAGCCACAAAGA AGCCCTGCAACTGATGGTCGAGGCGACCGAAGCCGCCGGCTACAAAGCGGGCGAAGACGT **ATTATTCGCATTGGACTGCGCCTCCAGCGAGTTCTACAAAGACGGCAAATACCACTTGGA** agccgaaggccgctcctacaccaacgcggaatttgccgaatatctggaaggcctggtcaa CGAGTTCCCCATCATCTCCATCGAAGACGCCATGGATGAAAACGACTGGGAAGGCTGGAA CAATCCAAAAATCTTGGCCGAAGGCATCGAAAAAGGCGTAGCAAACGCATTGCTGGTCAA **AGTCAATCAAATCGGTACTTTGAGCGAGACCCTGAAAGCCGTCGACTTAGCCAAACGCAA** CCGCTACGCCAGCGTAATGAGCCACCGCTCCGGCGAAACCGAAGACAGCACCATTGCCGA CTTGGCAGTCGCCACCAACTGTATGCAGATCAAAACCGGTTCTTTGAGCCGTTCCGACCG CATGGCGAAATACAACCAACTGCTGCGTATCGAGGAAGAATTGGCGGAAGCCGCCGACTA CCCCAGCAAAGCCGCATTCTACCAACTGGGCAAATAAAAAAGGTTAAGGTATGAAGTGGG TAACTGTCGTTTTATCCTTCGCACTTGTCTGTTGCCAATACAGCCTCTGGTTCGGCAAAG GCAGCATCGGACGCAACAGCAGTCTGAGAGAACAGATTGCCGTTCAAGAAGAAAAAAACC AGACACTCGCCCTACGCAATCATTCCCTTGCCGCCGAAGTCTATGATTTGGAAAACGGTC AAGAAGCCATTTCGGAAATCGCCCGGGTAGAACTGGGTTATATCCAAGACGGTGAAACCT TTTACCGACTCATCAGGCATAACCGGTAATACCGTCAAAAAGCCGTCCGAACCAATGTTC GGACGGCTTTTATTTCAACAAACTGTCAGACAGCCCCTCATCCTCCCCCGACAAACCGCA **ATCCAGCCTGACATCCCCCTCGACGCAACAGCAGCACGGCAGTATCTCGTCCCGCCCCAA** AAAAGCCAAAGGCGGCTCCCGATAAGTAACGCTTCCCTCCAAAATCTTCACTCGGCACGA CAACAGAGTCTCGCCCTCCAAGAGTTCAAAAAAACCCTTATTCGTACCAATGCGCGCCAT TTCCGACCAATCAAAAATATAGTGGATTAAATTTAAACCAGTACGGCGTTGCCTCGCCTT GCCGTACTATTTGTACTGTCGCGCTTCGTCGCCTTGTCCGGATTTTTGTTAATCCACT ATAATCCACTATAATCCACTATAAAAGGAACAATAACCGATCCTACCCGCTGTTTTTCCC ATCATACAACATACAAATGCCGTCTGAAACATCCGGCTTCAGACGGCATTTTTTCAAAAA TCAAATAAGAGGATATTTCCACTTCCTGCGGCGCGACCTGTACGTTGTCGGACGACAGCC CCGCCTGCATACGCAGATTGGTAATATTTCGACGTATTGGGATAAGATTTCTTTGTTCA AACCAATCATCGAACCGTCTTTAAACAAATATGCCGCCCATTCTTTTTCCTGTTCCGCCG CTTTTTTGAAGAGTTGGAAACATTCGTCCTGCAACTCGGCGGCAATTTCTGCCATTTCAG AATCATCAACACCAGAACGCATCAGATTAAGCATATGCTGCGTGCCGGTCAGGTGCAGGG CTTCGTCGCGGCAATCAGTTTGATGATTTTGGCGTTGCCTTCCATCAACTCGCGCTCGG CAAAAGCAAACGAGCAGGCGAATGAAACGTAGAAACGGATGGCTTCCAACACGTTGACGC ACATCAGGCAGAGATAGAGTTTTTTCTTCAACCCGCGCAAAGACACGGTAACGGGTTTGC CGCCGACATTGTGCACCCCTTCGCCCAACAGGTTGTAATACTGGGTGTATTCGATTAAGT CATCGTAATAGCAGGCAATGTCTTCGGCGCGGGGGGGTAATGTATTCGTTTTCGACAATAT CATCAAACACGACGACGGATCATTCACAATATTGCGGATGATGTGGGTATAGCTGCGCG **AGTGTATGGTTTCGCTGAAGCTCCACGTTTCAATCCACGTTTCCAACTCGGGAATCGAAA** ATTTCAGATTGCTGATGAAAATATGTTTTTCGTGTTCGGGCAGATTGGCGTAGTCGATAC GTTTTTCAAATACTTCGTATTTCTGCTGGTCATAACGGGCAACATTAACCGGCTGACCAA

AAAACATCGGCTCATTCAGCGCGTCGTTTTTGGTTTTGGGAAAGGTGCTGTATGACATAG AACTAACCTGCTGAGACTTTATATATTTAATAAAATTTTCTAAAGTTAAAACATGGGTTT TCCCAAAAGTTCCAAATGTTTTTACGGATTCTTTAGGGACAACTAAGGTTAAATTCTCAT GAGGAATTCGATCTGCTTCATTTAAAACTTGGCGCCAGCGATCCTTACAAGTAGTCTTTG GGTACTCTTCACTTCCAGGAAATAAAAAATCTGGTTTCTTTTTCCCTTCTGTCTTCGCTT GCGTCTCAAATTTTAAGGAAAATTCGTCAAATATTCTTGATAAATGTAACTCTAAAGATT TTCCTGCTCTTGCTTTTCTGCGATTTGTAAAAGAATGTGCAAAATTAATGAAGCTATCCA AATCAGTAATTTTTGATTTAATAATTTCAAATTCACGTTTTTCAAAAATGGAAAATAATT TATTTTCCCTTGCCAAAACTGCCATTTCTTCAGTTTTGGGGAAGTTAGGAAATAGTGAAA ATAATTTTGTTAGGTTATCCTCTACTTCTTGTTTTTTAGGTAAATATAAACTTCCTGGTA **AAATGTTAGTTTCTGCGATAAATATTTCAATATCTTCATCTGAAGATAAAACAAAAGCA**T GGAATAATAAATCTTTATAACAAGCTCTGCACAATACCAATAAGGAACCACTATATTTAT CACTTAAAAATTCAAAATTCTTGCCAAAACCCGTAATTCTCGCCTCATTTCTCGTGCCTT AAATAGTTTTATTTGTTCCCTTTTGGCAAACTACATCAAAGAGGTCGTCTGAAAAATGTT TTTGAATATAAAATCCTGATTGGTGACTACCAGTAGTACCAACATCATTGGGACGAATAT AACGACAGTATACTGCAATTGATTTATTTGCTGTCTGTATTGCTGAAGCTACTAAGTCAT ATAATTTGTTTAGCAATAGCTTGAACCAACGGTACAGCAATTGAATTGCCAAACTGCTTG TATGCAGCTGTCTTGGATACTGCATCAATAACAAAATCTTTAGGAAATCCCATTAAACGC GAGCACTCCCTAGGTGTCAGCTTCCTAGGATTTTTTCCTTTCTGAGGGATGAGTATTTCG GAACCATCTTTGTAATATCGTGCAGATAGAGTTCGTGATATTCCATCTAAATCAACTAAT CCAAAACCAAATCCATTACCCTTTGCCTTATGTTTTTTAGCGTAATTTTGAAGGTAAAGC CATAAGTTATCAGAAAGAGTAAAAGAATTATCTACATCATCTTCCAAAATTTGCTTTAAT CTATCAAAACCTACAATAAAAATACGCTCCCTATTTTGAGGAACATAATATTTTGCATTC ATAACTTGATAAAATATCTGATAGTCAAGCTCTTCTAAAGTCCCTTTAATTACTTTAAAT GTATTTCCTTTGTCATGCGAAACAAGGTTTTTCACATTCTCTAAAAGAAAATTTTAGGT CGATGTTTTCCAATAATTTCAGCAACATCAAAAAATAGAGTTCCCTGCGCCTTATCTAAG AAGCCTGTTTCTCGTCCTAGGCTTTTTTTTTTTTGAAACACCAGCTATAGAGAATGGCTGA CACGGGAATCCTGCTGTTAATACATCAAACTTACTTGGAATAGCTGCTTTGGTTTCCTTT AATGTAATATCTCCATAAGGAATATCATTAAAATTTACTTGGTAGGTTTGACGGGCTTTA TCATCCCATTCACTAGAAAATACACATCGCCCACCAACATTCTCCATTGCAATGCGAAAA CCACCTATTCCCGCAAATAAATCAATAAAAGTAAATTTCTCATTATTTAAGGTAACTATA TTATCTAATTGATTTTGTATTTTATTTTTCATATTTTATATTTCAGATGATTTATTAATC TAAAGGCCATCTGAAAACTCCCCCTTTCATCAAATCTTACAAGCCCCGCCCCGCGCAGCCG TCATCCTGAATATCGGTCTGCGTATCGTCCGCACCGTCGCGGGTGTTATGGTAGTACAGG GTTTTGACGCCGTATTTGTAGGCGGTCAGCAGGTCTTTGAGCATTTGTTTCATAGAAACT TTGCCGCCTTCGAATTTGCCCGGGTCGTAGGCGGTATTGGCGGAAATCGATTGATCGACG AATTTTTGCATCACGCCGACAAGTTTCAGGTAGCCTTCGTTGCCGGGAAGCTGCCACAGG GTTTCATAGGCATTTTTCAGGGTTTCAAACTCCGGCACGACTTGTTTCAAAATGCCGTCT TTCGATGCTTTGACCGTTACCAATCCGCGCGGCGGCTCGATGCCGTTGGTGGCGTTGGCG ATTTGAGAGCTGGTTTCAGACGGCATGAGCGCGGTCAGAGTAGAGTTGCGCAGGCCGTAT TTGACGATTTCGGCACGCAGGCTTTCCCAGTCGTAATGCAAAGGCTCGCCGCAGACGGCA TCCAAATCTTTTTTGTAAGTGTCGATGGGCAGTTTGCCTTGCGAATAAACGGTTTGGTTA AAGAGCGTGCACGCACCGTATTCTTTGGCAAGGTTTGCCGATGCTTTGAGCAGGTAATAC TGTATGGCTTCAAAGGTACGGTGGGTCAGACCGAGCGCGGAACCGTCGCTGTAGCGGACA CCGTTTTTCGCCAGATAATAAGCATAGTTAATCACGCCGATGCCGAGCGAACGGCGGCCC ATAGTAGAGGTACGCGGGCTTCTACCGGATATCCCTGATAATCTAAAAGTGCATCGAGC GCACGAACGGTCAAGTCGGCAAGCCCTTCCAATTCGTCCAAGCTGTTTAATGCGCCCAAG TTAAAGGCAGACAGTGTACACAGGGCGATTTCGCCGTTCGGATCGTTGATATTGTCCAGC GGTTTGGTCGGCAGGGCGATTTCCATACACAAGTTGGACTGATGAACAGGCGCGACGCGC GGATCGAACGGGCTGTGCGTATTGCAGTGATCGACGTTTTGAATGTAGATGCGCCCGGTT CCGGCACGCTCCTGCATCAGCGTGGAAAACAGGTCGGCAGCCGGAATGATGCGCTTGCGG ATATCAGGGTCTTGCTCGTATTTCGTATAGAGCCGCTCAAATTCGTCTTGGTCGGCAAAA **AACGCTTCGTACAATCCCGGAACCTCGTTGGGCGAAAACAGCGTAATGTTGCCGCCCTTA** ATCAGGCGGGTGTACAGCAGGCGGTTGATTTGCACGCCGTAATCAAGCTGACGGATACGG TTGTCTTCCACACCGCGGTTGTTTTTCAACACCAGCAGGCTTTCGGCTTCGATATGCCAC AAGGGGTAGAACAAGGTTGCCGCGCCGCCGCGCACGCCCTTGCGAACAGGATTTGACC GCCGCCTGAAACATTTTAAAGAAGGGAATGCAGCCGGTATGCCGCGCTTCGCCGCCCCGG ATTTCGCTGTCCAAACCGCGGATACGTCCGGCATTGATGCCGGATGCCCGCACGCTGGGAA ACGTATTTCACAATCGCGCTGGTAGTGGCATTGATGGAATCCAAACTATCGTCGCATTCA GGCAGCGATACTTTAAATGTAGAAACGGCATCGTAAAACCGTTTGACGTAACCCAAGCGC GCCTCTTTCGGGTATTTGCTGAAAAGGCACATCGCCACCAAAACATATAAAAACTGCGGC GTTTCGTAAATTTGGCGGGTAACGCGGTTCTGTACCAGATATTTGCCTTCGAGCTGTTTG ACAGCGGCATAGGAAAAGGACATATCGCGTTCGTGGTCGATATAGGCGTTCAGTTCGTCA AATTCTTCGCGGCTGTAATCCTCAAGGATATGCCTGTCGTATTTTCCGGCATCGGTAAGT TTTTTAACGTGGTCGTAAAGGTGCGGCGGCTCGTACTCGCCGTAGGCTATTTTACGAAGA TGGAAAATCGCCAAACGCGCGGCAAGGTATTGGTAGTCCGGGGTATCTTCCGAAATTAAA TCGGCAGCGGCTTTGATGATGGTTTCGTGGATGTCGTCGGTGCGGATGCCGTTGTAGAAC CAAGTGACGACACGGTGAATCTTATCCAAATCAATGGCTTCTAATCTTCCGTCTCGTTTG GTTACTTTCAAATCAGTCGGTGTATTCATCGCTTCCTCTTCCACTCTTGATATTCAAGAC ACAGTCTTTTCAAATAAATTAAGGCAGACAATATAGTGGATTTTTGGCATTTTCTCCAGT CTTGACAACGGTTGTATTTTTCAGTTTCAGGCAATGCGCGATAAAACCCGCCTGTCGTAT TTTTCCTATAATATTTGTTTTATCTGATAATTCTTTACCGATAAAAAACGGGTAAATTTT TTGCCTTTTGACCGGCTCCGGCTACAAGGCGGTGAAATAAGGATTTTCCGACGAAAAAGG AAAGCTTCCTGTTTTCTGCCCCTGCAAATTGTTAAATTTTGCAAAGTATGATTTTGCCGC GCCGCCGCCGACAAATTCCATTTTCTTACCGATTGGAATTTATTATTGAGATTAATGTGT TATTTGAATCTGCATATCAAACGGCAAGTTTTGTCGGCTGAATGAGTCTGAAACTGCCGA CAATTTGCCCGTTCCATCCTTCCATCCTATACTGGAAAGAATGACAAACTGAAAGGATCG TCATGTCTGTCAAAAAGATGCTTGCCATACTGTTGTCTGCAATATTGGGACTGGTATCGA CAACTGCCGCTGCCGGTACGTCAGAACCCGCCCACCGCGATACCAAACATATCCGCAAGG CAAACAAGCAGATGCTGCACCCCGAATGCAGGAAATATTTGGAACGCCGTGCCGCGTGGT ACCGATCGCAAGGCAACGTGCAGGAATTGCGCGAAAACAAAAAGGCGCGCAAAGCATTCC GCTCCCTGCCTTATGCGGAACAGAAAATCCAATGCCGGGCGGCTTATGAGGCTTTCGATG ATTTCGACGGCGGCAGTTTCCGCCGTTAATCCCATATAAAATATGCCGTCTGAACACAGG TTCAGACGGCATTTTCCATAGATACAACAAACTATCCTTACGCCATTTCGTTTGAGGTCC TCCCGTTGCCGCAGCCTTAATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCC GCAGACAGTACAGATAGTACGAAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCG TTCTCTTTGAGCTAAGGCGAGGCAACGCTGTACTGGTTTTTGTTAATCCACTATACATCC ACAAAAGCGAATCATACTGCCACATTCCGACAACCGGTTTCAGACAGCGATATCCGCATC GTCGGCGACAACGGCACGGATGCTTTCTTCGATTTTATCTTTTAAAGCATAACGGTCTTC GCTTTCCGCCGCATCCGCCACGCAAACGAAATCGACTCTTATCGTCAATTTTTTCATAGA CACGATGCGCCACAGGCAGGTCGGCAAACCGACATCGGCATATGAGGGACGAGCCGTCCT TTTTCCCGTTTCGTCATAATAACGCAGCGCGACCGCCAAAACCTTTGCCCCCGCATCGAT GGCGGATTGGAACAGCGCGCTTTGAACGGCAAAAGCCCCAATCCGGAGGAAGTCCGCGC TTCGGGGAAAAACTGACGTTTTGACCGCGTTGCAAGGTTTCGCAGACGGCGCGCGTTAAT CGGTTCGATGTCGCGCCGCGAATTGCGGTTGATGAACACCGTTCCCGCGTTCTGCCCCAT CTTGCCCAATACCGGCCAGCTTTTGATTTCCTGCTTGGCGATAAAGCTGCTCGGATAAAC CGCGCTCATCGCGAAAATATCCAGCCAGGACACGTGGTTGGCGGCAACCAAGACACCGTT CGGATGTTCGGGTGCGGGTCTGCCCACCTCCAATCCGATATCCAAAGCCGCCAAAACCCC CCTGCCCAACTCGATTACCGCCCGATTGCGCGACTCGGGGCAACCGCCGTCAATACCGCG CAGGTTTTTCCCGGTTTTGAACAGCCAGACCGCCAAACGGCACAAGCGGCGCAGACGTGT TTGAAACGTTCGGACGCATACCGATAAAATGCCGTCTGAAACCGTTTTCAGTCCTATTT GCCGCACCGGGGCACGGCTGATTGTGCCGCCCGTACACTGTATATTCCTGTTGGAAGTA GCCGCTTTTGCCGTCGCTGTCCACAAAATCCCTCAAGGTACTGCCGCCCGTTTCAATGGC GTTGGCAGGACGGTGGGGCGAAATGCCCGCTCTGAACAGGCTCTCGTTGGCATAAATGTT GCCCACACCGACCACGACCGCATTGTCCATCAGGGCAAGTTTGACCGCGCGCTTCTGCGC CTTCAGCCTTGCATACAGATAATCCGCACAAAATGCCTCCGACAAAGGCTCCGGCCCCAG TTTTTCCAACAGCGGATGATGTTCTTCGATTCCCTCATACCAAAGTATCGCGCCGAACTT TCTCGGATCGCGTAACGCATGACCGTGCCGTCTGAAAACACAATATCGACGTGATCGTG TCTGTCCGGCCTGCCGATACGTCCGTCCGACGCGTAAAAATCCGCAAGCTGCCCGACAT CCCCAAGTGAATCAGCAGCACGCCCGTTTGAAAGCGGATAAGCAGGTATTTCGCCCTCCT GCCGCAGGACAACACCTGCCGGCCGGACAAAATCTCCCCCAAATCGGGATTAATCTGCCA GCGCAGCTTCAATTGGCGCAATACCACGGCTTCCACCGTTTTCCCTTCAATATGCGGCGC GATGCCGCGCAACGTCGTTTCCACTTCCGGCAATTCAGGCATAACCCCTCCCGACATTTC TTCTGACAGATGCCGTCTGAAAGACGGCTGTCCCTAATCCGCAACCCTTGCCGCACCCGC CGCAAGGGCTTTGCCGCCCAAATACCCGTCCCACGCGGGCAGGGGCGTTACGCCCGCTGC CCTTTTGACCAAAACCAAACCGTACACTGCGGCACACTGCGGCCACCAACGGTCGCCCGC CTTTTCCATAAACCGCCAAAAGCGTATTTGCCCGAGCGACGAAACCGGCGGCAGATACAC CATAAATTTCCCAAATTCAATATCGAAACCGACATCCGCAAGCCGTCTTTTCAACTCGGG CAGCGGCAGACAAAACCGTTTTTCCGGCAGGCGTTCGCCGTCAAACCAACGGCTGAATCC CCAGAGCGAATACGGATTGAAACCCGTCAGCATCAAGCGTCCGCACGGTTTCAATATCCG GTGCGCTTCCGACAGGATTTGCGAAGGAACACCGCCTTCAAGCGTATGCGGAAAAAGCAG CATATCCGCAGAAACATCCGCCAAAGCCATATTCTCCGCCGACATCGACATATCTCGCGG CACACAGACAACATCTTCAGACAGGCTCAGCCACGGACCGCCCACCTGAACCGCACACAT TCCCGAAAAACGGTATGAATCCAGATACCGCCCGAAGAAATCCTGTTCCAATTTTGCAAC ATACCGCCCCATCGCCGTATCTTCAAACCATGCATCCATATTGCGTCCGTTTCAAACAGA TTGCCTGCCGATATTCTATTCCAAACAGGATTTCTGTCAAAAAACACATCGGCCGCCCAT TTCCGAATCCGCATAAAGTTCCTGTAAAACTTGACGCTTTTTCAGTCAAACAGTACCATC GGACGATAAAATATGTTTATTCCGCCGAATATAAATCATGTCCAAACTCAAAACCATCGC TCTGACCGCATCAGGTCTGTCCGTTTGTCCGGGTTTCCTATACGCCCAAAACACCTCATC ACACCAAATCGGTTTGGCGATTATGCGCTTAAACTCTTCAATACTCGACCTGCCCCCGAC AAAACAATATTTCCAATCCGGCAGCCTGTGGGGCGAGCTGCGCCAAGGCTTCCGGATGGG CGAAGTCAATCCCGAACTGGTACGCCGCCACGAAAGCAAATTCATCGCAAGCCACAGCTA TTTCAACAGGGTCATCAACCGGAGTAGACCCTATATGTACCATATCGCCAACGAAGTCAA AAAACGCAATATGCCCGCCGAAGCCGCCCTGCTTCCCTTCATCGAAAGCGCGTTCGTCAC CAAAGCCAAATCACACGTCGGCGCATCAGGATTATGGCAGTTTATGCCCGCTACCGGCAG CGATGCCGCACTCAACTATCTGCAATACCTCTATGGACTGTTCGGCGACTGGCCGCTTGC CTTTGCCGCCTACAACTGGGGTGAAGGCAACGTCGGACGCGCCATCAACCGCGCCCGCGC

CCAAGGGCTCGAACCGACCTACGAAAACCTGCGTATGCCCAACGAAACGCGCAACTATGT CCCCAAGCTGCTCGCCGTGCGCAACATTATTGCCACTCCCCAATCTTTCGGCATGAATAT CAGCGACATAGACAACCAAACCCTATTTTCAGGCAGTCGAACCGGATCGTCCGCTCGACAA CGAAGCCATCGCCCGGCTTGCCGGCATCACGCAAAGCGAGCTGCTCGCCCTAAACCCCGC ATTCAACGTCCCCGCGTTTATCCCCAAAAGCAAACGCAAACTGCTGCTTCCTGTCGCGTC CGTACAAACCTTCCAAAGCAACTACCTCAACGCCGCACCCGACAGCCTGTTTTCATGGGA AGTCTATACGCCTGCCGCCAAAACCAGCCTGTCCGACATCTCGACGGCAACCGGCATGAG CATTGCCGACATCAAACGCCTCAACAACCTGAACGCCAACCTTGTCAACGCAGGACGCAG CATCCTTGTCGCCAAGAACGGCAAAACCCTTCAGACGGCATCGGAATCCGTCGTTTCCAT CGGCATTGCCCGAATCCGACCCGCCGCCGCACAGACAGCGGACATTACCGTCGCACCTTT GCCGCAGAAAACCGTCCGTACGGAACCCGATCCCCTTGTCCGTATTGCCGAACCTGCCCT TGCGACAGCCGCAGCGCAACCTCAAACCGAAAAACAGACCGCCATGCCGTCTGAAACCCA AACCGCAACACTCGCGCAGATCATCCCCCAAAACGACATGCAGGCGGCAGACGAACTCAT GCAGCTTGTTGCCCGAAACAACCTGCGCCGACAGGCTGAAGAAACCATCTCCGCCGTCAT CGGCACGCCTGACACAGTTGCCGAACACAAAATTTCCGCATCTCCGCAACATACCGCTGC CGCCGACGGCAAACGCCGGGTACGTTTGGAAACGCGCGTAGCCAAAGCTGCCGACGGCGA AGCCGAAATCTCCCCGCTCCATGCCAGCATCCACCGCGTTGTAGAAGGCGACACCCTGTT CAACATTGCCAAACGCTACAACGTCAGTGTAGCCGACCTGATTGTCGCCAACAACATCAA CCGTATTGAAAAAGTATCCTACACCGCGCGCAAAGGCGACACCTTCAAAAGTATCGCCGC GCGCTTCAATATCCATATCGACGACATCCGCCGGCTCAATCCCAACCTGAACACCATCAA TCCGGGACAGAGGGTCAAACTGATTGGAAGCTGATTCGGATACGGCACATGACAGGACTT TCTCAGTCCTGTCTTTTCATCCCACATTTCCCATACCATCATGAAACTTATCAAATACC TGCAATATCAAGGCATAGGAAGCCGCAAGCAGTGCCAATGGCTGATTGCCGGCGGTTATG TTTTCATCAACGGAACCTGCATGGACGACACCGATGCAGACATCGATTCCTCATCCGTCG AAACGTTGGATATTGACGGGGAAGCAGTAACCGTCGTTCCCGAACCCTATTTCTACATCA TGCTCAACAAGCCTGAAGATTACGAAACTTCGCACAAACCCAAGCACTACCGCAGCGTAT TCAGCCTGTTCCCCGACAATATGCGGAACATCGATATGCAGGCGGTCGGCAGGCTGGATG CAGATACGACCGGCGTATTGCTGATTACCAACGACGGCAAACTGAACCACCAGCCTGACTT CGCCGAGCAGAAAATTCCCAAGCTGTACGAAGTAACGCTCAAACACCCCACAGGAGAAA CGCTCTGCGAAACCTTGAAAAACGGCGTGCTCCTCCACGACGAAAACGAAACCGTTTGTG CCGCCGATGCCGTTTTGAAAAACCCGACCACCCTGCTGCTGACCATTACCGAAGGAAAAT ACCACCAAGTCAAACGCATGATCGCCGCCGCCGCCAACCGCGTGCAACACCTTCATCGCC GGCGATTCGCACATCTGGAAACAGAAAACCTCAAACCCGGGGAATGGAAATTTATCGAAT GTCCAAAATTCTGAAATAACATCCAAGAATTCCATTTATATTCATCCACATACTCATTAA ATATATGGTTTAACCCAATTTAACGCAAAAAATCAATTTACGATATAATCCATTTGTCTG AGTAACGCCTGTTCAAGCAGGCTTATGAGTAAGACGTTTTCCCCGTAATGTGTTTTGCCA TCTATACTTCTCCCCTTGTATAGATGGTTTTTTTATAGTGGATTAAATTTAAACCAGTAC AGCGTTGCCTCGCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGA TTAATATAATTAACAAAATTTCATTTCCATACACCGATGTAGAAGAATAACAAATTAATC TATTTATAAACTCCGATTCTTCCTCATCGGGTTATACTCATCAGAAATACTCACTGAAAT AAAAACGCGTGTAGAATFTCCGCTTTATCTCAATCGGACACGGTTTCAATATGTCTTCCC CTTCAAATACCAATCGTCAAACCTGGTCCAGCCGATTAACCTATATCCTGACCGTTGCCG GCGCGACTGTCGGTTTCGGCGCGACGTGGCGTTTCCCGTATTTGGTCGGTGAAAACGGTG GTGCGCGTATGTGTTTTTATTCTGTATCGCGATGCTGGTTATCGGCATCCCGATGATTTT GGTGGAAAATGTCATCGGACGCCCAAAGGCGTGAACGCGCTGGATGCGTTCGGCGGCCC GATGAACGGCAAACCCATTGCCAAAATTTGGAAACTGGTCGGCTGGATGGGCTGCTCGGC GCGTTCGGCATCATGGCTTATTACATGGTACTCGGCGGCTGGGTAATCAGCTATATCGTT AATATTATTGGAGGAAATTTGAATATTTCCAGCCCCGTCGACGGTGTGGTTACAAAAGGC TTCTTTGCCGAACACATTGAAACAGCCCTTGGGAAATTGCGTTTTATACGCTGCTTTTTG TCGCCGTGAACCAATGGATTTTGGTCAAAGGCGTTATCGGCGGCATTGAAAAAGCGGCAA AATAGCTGATGCCGCTGCTTTTTTGTTCCTAATCGCGATGGTCGTCCGCAACGTTACCC TTCCGGGCGCAATGGAAGGGGTTGCTTTCTATCTGAAACCTGATTTCAGCAAGATTACCG CCGAACTGTTCGTCTTTGGGGCAGGTATTTTTTGCCCTGAGCTTGGGTTTCGGCG TGATGATTACCTTGTCCAGCTATTTGGATAAAAACGAAAATCTGGTTCAGACGGCAGTTA TCACGGCAATTACCAATACCATCATCGCCATACTTGCGGGCTTTATGATTTTCCCGTCGC TCTTCAGCTTCGGCGTTGCCCCCGATTCCGGCCCGACTTTGGTGTTCCAAAGCTTGCCGA TTGTGTTCTCACATATGTGGGCGGGATCTGTGTTCGCCGTGATTTTCTTCTCGCTGCTCC TGATTGCCGCGTTGACAACTTCGCTGACCATTTATGAAGTGTTGATTACGACCATTCAGG AAAAAACCAAAATCCGCCGTACCGCCGCGATTACGATTGTATTGGCTGCCATCTTCATTT TCGGCAACATCCCGTCCATTCTGAGCTATGGTCCGTGGAAAGACGTTCCGTGTTCGGCAA AAATATTTTCGATGCCTTCGACTACATCAGCGGCAACATCTTGTTTATGCTGACCGCGCT CGGTTCCGCGCTGTTTGCCGGTTTTGTGATGAAGGACGAAGCGAAGGACGAATTGCTTTA TAAAGGCAACCATACGACGGTCAATATTTGGTTTGCTTATGTGAAATATCTTGTGCCGCT GGTGATTCTGCTGATTTTCGTCAGCAACCTGTTCTAATCCGCAGCAATCGATGCCGTCTG AAGGTCATACCTCTTTCAGACAGCATTGCCTTGATGCCCGCCACAATACCCGCAACGCCG AAATCCGAACCGGCTTGCCGGCTTCTGTCGGATGTTTCCGGGCAGGCGGCGTTCCGTCTG CTTAGACAATCGTCCTTTAAAACAGGTAGAATCCGCCCCAACGGGAAACACATCCTTCAG ACGGCAAAACCCATACCCCAAACCATCAGGAATCCCCCTTATGAACAGACAAAAAGTCAT ATTGGGATACGATTATCTCGATACCGGCGCACTCTACCGCCTGACTGCCCTATATGCACA AAAACAAGGCGTGGGATGGCACGATGAAGAAAACGTTTCCGAACTGGCAAAAAAACTGCC

CGCCGTATTTTCAGGCAGCCGCATCCTGCTCGGCGGCGAAGACGTTTCAGACGGCATCCG GACAGAAGCCATCGGCATGGGCGCATCCGCAGTCGCACAGTTGCCTAAAGTCCGCGCCGC CACCGGATCGGTCGTCTTCCCCCAAGCCGAACTTAAAATCTTCCTGACGGCAGAATCCAA **AATCCGTGCCGAACGCCGCGCCAAACAAATCGGCATCCCCTGCGAAGGTTTGGCATTCGA** GCGCATCCTGTCCGACATCGAAGCCAGAGACGAGGCAGACCGAAACCGCAAAGTTGCCCC CCTGAAACAACAGCCCGATGCCCTGCTTTTGGACACAAGCCGCCTGACTATAGAAGAAAC TGTAAAAAAAGTGCTTGATTGGTATCGTGAAGTTTAAATTTTCAGGTATAATCGCACAAA TTACGTTTCAGACGCCATAAAAATCCCCCATATGCCGTCTGAAACCTTATGTACCCGTCT GCCCTGCCAAGGACGCAGATATCCACCAACCCACCCGCACCCCTTGGCGGTGTACCGA **AAAGAGTTATATATGTCTATGGAAAATTTTGCTCAGCTGTTGGAAGAAAGCTTTACCCTG** CAAGAAATGAACCCGGGTGAGGTGATTACCGCTGAAGTAGTGGCAATCGACCAAAACTTC GCTCAAGGCGAAATTGAAGTTAAAGTCGGCGACTTCGTTACCGTTACCATCGAATCCGTC GAAAACGGCTTCGGCGAAACCAAACTGTCCCGCGAAAAAGCCAAACGTGCAGCCGATTGG **ATTGCCCTGGAAGAGCCATGGAAAACGGCGACATCCTGTCCGGCATCATCAACGGAAAA** GTCAAAGGCGGCCTGACCGTTATGATTAGCAGCATCCGCGCATTCCTGCCGGGTTCTTTG GTCGACGTACGTCCTGTAAAAGACACTTCTCACTTCGAAGGCAAAGAGATCGAATTCAAA GTGATCAAACTGGACAAAAACGCAACAACGTCGTTGTTTCCCGCCGCGCGCTTCTGGAA GCCACTTTGGGTGAAGAACGCAAAGCCCTGCTGGAAAACCTGCAAGAAGGCTCCGTCATC AAAGGCATCGTTAAAAAACATTACCGATTACGGTGCATTCGTTGACTTGGGCGGCATCGAC GGTCTGTTGCACATCACCGATTTGGCATGGCGGCGCGTGAAACACCCGAGTGAAGTCTTG GAAGTCGGTCAGGAAGTTGAAGCCAAAGTATTGAAATTCGACCAAGAAAAACAACGCGTT TCCTTGGGTATGAAACAACTGGGCGAAGATCCTTGGAGCGGTCTGACCCGCCGTTATCCT CAAGGCACCCGCCTGTTCGGCAAAGTATCCAACCTGACCGACTACGGCGCATTCGTCGAA **ATCGAACAAGGCATCGAAGGTTTGGTACACGTCTCCGAAATGGACTGGACCAACAAAAAC** GTACACCCGAGCAAAGTCGTACAACTGGGCGACGAAGTCGAAGTCATGATTTTGGAAATC GACGAAGGCCGCCGCCGTATCTCTTTGGGTATGAAACAATGCCAAGCCAATCCTTGGGAA GAATTTGCCGCCAACCACAACAAAGGCGACAAAATCTCCGGCGCGGTTAAATCCATTACC GATTTCGGCGTATTCGTCGGCCTGCCCGGCGCATCGACGGTTTGGTTCACCTGTCCGAC CTGTCCTGGACCGAATCCGGCGAAGAAGCCGTACGCAAATACAAAAAAGGCGAAGAAGTC GAAGCCGTCGTATTGGCAATCGACGTGGAAAAAGAACGCATCTCCTTGGGTATCAAACAA CTGGAAGGCGATCCGTTCGGCAACTTCATCAGCGTGAACGACAAAGGTTCTTTGGTTAAA **GGTTCCGTGAAATCTGTTGACGCCAAAGGTGCTGTTATCGCCCTGTCTGACGAAGTAGAA** GGCTACCTGCCTGCTTCCGAATTTGCAGCCGACCGCGTTGAAGATTTGACCACCAAACTG AAAGAAGGCGACGAAGTTGAAGCCGTCATCGTTACCGTTGACCGCAAAAACCGCAGCATC **AAACTTTCCGTTAAAGCCAAAGATGCCAAAGAAAGCCGCGAAGCACTGAACTCCGTCAAT** GCCGCCGCCAATGCGAATGCCGGCACCACCAGCTTGGGCGACCTGCTGAAAGCCAAACTC TCCGGCGAACAAGAATAAGGTTGCAGACATGACAAAGTCTGAGTTAATGGTTCGTTTGGC AGAAGTGTTTGCCGCCAAAAACGGCACGCATCTTCTGGCAAAAGACGTAGAGTACAGCGT AAAAGTCTTGGTTGACACCATGACTAGATCGCTTGCCCGAGGTCAACGCATCGAAATCCG CGGTTTCGGCAGCTTCGATTTGAACCATCGTCCTGCCCGCATCGGTCGCAATCCCAAAAC CGGCGAGCGTGTGGAAGTACCTGAAAAACATGTACCCCACTTCAAGCCCGGTAAAGAATT GCGCGAGCGGGTCGACTTGGCTTTAAAAGAAAATGCCAATTAAACCTTAGCATCAAAACG CCGCTGTTACGCGGCGTTTTTTCTGTGGTTTAACTTCATCCGTTGCTTCAATACCTTGAG CCAAGCAAGCAACGGATTAGAGCGTGGATTTTTTTATAGTGGATTAACAAAAACCAGTAC GGCGTTGCCTCGCCTTAGCTCAAAGAGAACAATTCTCTAAGGTGCTGAAGCACCAAGTGA ATCGGTTCCGTACTATTTACACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAA TCCACTATATCATTGCTTACAATCCGCTTTTTAAACAACAAATTTTTGATTTCTATTACG AACAGGACAAAAATCCTGCTTATTGCACTAAAACTAAGCCGTTTCAGGAATTTGCGGCAA ATTTACAGCTTTTACCGAGCCTAATGCTTTCGCTTTTTGGTAAAACGCCAATTTGTATTC AAGCAAATCTAAATAGCGTTTTAATTCGGCAATTTGACACTTCACATTTTCTATTTGATT TTCAAACAAGGAAAGGCGTTCTTCAATGGTATCGTCGCCAATGACGGTACATTCCGCAAA GCGTTTGATGTCTTTTAAGCTCATTCCCGTATTTTTCAAGCATTGCAATAAGCCCAACCA TTGCAAATCGTTATCGGTAAAACAGCGGTTACCGTATTCATCACGTCCGATATTGGGCAA CAAACCTTCTTTGTCGTAAAAACGTAGGGTGTGGGCGGAGATGCCTATTTTTTCGGCGGC TTTGGCAGTAGTATAAGTCATTTTCCCTCCTTCTAAACAAAAACAGTAAAAAACACTTGC TTTAGAGTTAACTCTAAAGTGTAAACTGTTGCTATGTTGCTCAGGCAAGGCAACTTTGTC **AATGAATTAAGAGGAAAGACAATGGAAATGAAACAAGCCGATTCAACCATCAAATCTCGT** GCGGCGGTGGCATTCGCCCCTAACCAACCCTTACAAATTGTGGAAATCGACGTAGAAATG CCGCGTAAAGGCGAGGTGTTAATCCGCAATACCCACACTGGCGTGTGCCATACTGATGCG TTTACGTTATCAGGAAGCGATCCTGAAGGCGTATTCCCTGTGGTGCTTGGACACGAAGGT GCGGGTGTGGTCGTTGCTGTGGGCGAAGGTGTCAAGCGTAAAACCGGGTGATCACGTG ATTCCGCTTTACACCGCCGAATGTGGCGAATGTGAGTTTTGTTGTTCAGGTAAAACCAAC TTGTGCGTCTCAGTGCGTGATACACAAGGTAAAGGCTTAATGCCGGACGGCACGACGCGT TTTTCTTATCAAGGTCAGCCAATCTATCACTATATGGGCTGTTCGACTTTCAGTGAATAC TCCGTTGTTGCCGAAGTTTCACTGGCGAAAATCAACCCTGAAGCCAACCATGAACAAGTA TGTTTGCTCGGCTGCGGCGTTACCACAGGTATTGGTGCGGTACATAATACGGCAAAAGTG CAAGAAGGCGACTCTGTTGCCGTGTTTGGTTTGGGGGCGATTGGTTTGGCGGTGGTGCAA GGTGCGCGTCAAGCCAAAGCCGGCCGCATTATCGCCATTGATACCAATCCATCAAAATTT GAGTTGGCAAAACAGTTCGGTGCAACGGATTGTTTGAACCCGAACGATTACGATAAACCG ATCAAAGATGTGTTGTTAGACATTAATAAATGGGGCATTGACCATACCTTTGAATGTATC GGCAATGTAAACGTAATGCGTCAGGCATTAGAAAGTGCACATCGTGGTTGGGGTCAATCC ATTATCATCGGCGTAGCAGGTGCAGGACAAGAAATTTCAACGCGTCCGTTCCAGTTGGTA

ACAGGTCGTGTTTGGAAAGGTTCAGCATTTGGCGGTGTGAAAGGTCGCTCTGAACTGCCG

AAAATGGTGGAAGATTCAATGAAAGGCGACATTGAGTTAGAACCGTTTGTAACCCACACA ATGACACTCGATCAAATCAATAAAGCCTTTGACTTAATGCACGAAGGTAAATCGATCCGC GCCGTTATTCACTACTAAGGTATGCGATGAAACTGATTGAACAACATCAAATTTTTGGTG GTTCGCAACAAGTTTGGGCGCATCATGCCCAAACGCTGCAATGCGAAATGAAATTTGCCG TCTATTTGCCAAATAATCCAGAAAATCGACCGCTTGGTGTGATTTATTGGCTTTCCGGCT TGACGTGTACGGAACAAATTTCATTACCAAGTCAGGCTTTCAGCGTTATGCGGCAGAAC ATCAAGTAATTGTGGTGGCCCCCGATACCAGCCCTCGCGGAGAGCAAGTGCCGAACGATG ATGCTTACGATTTAGGACAGAGTGCAGGCTTTTATTTGAATGCGACCGAACAGCCTTGGG CGGCGAATTATCAAATGTATGATTACATTTTGAACGAGCTGCCCCGTCTGATTGAGAAAC ACTTTCCTACCAACGGCAAACGTTCCATTATGGGACATTCAATGGGCGGACACGGCGCAT TGGTATTGGCGCTGCGGAATCAGGAACGTTATCAAAGTGTTTCTGCCTTTTCGCCTATTT TATCGCCAAGCCTCGTGCCGTGGGGAGAAAAAGCCTTTACTGCTTATTTAGGGAAAGACC GTGAAAAATGGCAGCAATATGATGCTAACTCACTCATTCAACAAGGCTATAAAGTGCAAG GTATGCGCATCGATCAAGGCTTGGAAGATGAGTTTTTGCCGACACAATTGCGTACCGAAG ATTTTATCGAAACCTGCCGTGCGGCAAACCAGCCGGTCGATGTGCGTTTCCATAAAGGCT ACGATCACAGCTATTACTTCATCGCCAGTTTTATTGGCGAGCATATTGCTTATCACGCCG CGTTTTTGAAGTAAACCAAAGAGCGTTCAGTGTTCAAAGCAGTTTTGGGATAGCCGGCAC GAGGGCGGTAAGAAGTGCCGGCATAAACGTATGCCGTCTGAGCCGAAAGGAGCCGACTCT ACGGATTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAGA TAGTACGGCAAGGCGAGGCAACGCTGTACTGGTTTAAATTTAATCTACTATAAAAGGCAT TTGAGCTCATATCTGCACCATATTGAAACGCCGCCTTTGCTTATACCCCCTTGTGCGCGT CATTATTCTTTTCCACGGAAAATGCCAAGTTTGAAGGAAATCATTTATAATACCGACGGT AAGCATTTCTTTCTTAGCCGCAAGAAGTATAACAAGGTTAAATATGAGTAATAGAGACC AACTTTTTAAAGCCCCGCCGTTTGAAAACCACAGCCCGCTGACCTGGTATCAGGCTGCCT CACAACTGCCCAACTTCATCCGCGACGACGCGCAGGCAGCCGCCATCGAACACCTCGATC GGCTTTGGACCGAATTGATGATGTTCAAACGCAAAAGAAACCGTTTTTTAGGCAGGAGTT TGCGTTCCCCGCAAGTCCCCAAAGGGCTTTATTTCTATGGCGGGGTCGGACGCGGCAAAA GCTTTCTGATGGACGCTTTTTTCGGCTGCCTCCCGTACCGCCGCAAACGCCGCGTCCACT TTCATGCCTTTATGGCAGAAATCCACCAGCGGCTGAAAACCCTGAAAAGCGAAAGCAACC CGTTGAAATCCGTTGCCGCCGAGATTGCCAAAGAAACCCGCGTATTGTGTTTTGACGAAT TTCATGTCAGCGATATTGCGGATGCAATGATTTTAGGCCGTCTGCTGGAAAACCTGCTTA ACGAGGGCGTTGTTTTGGTGGCGACTTCAAACTACGCGCCTTCCGAACTCTACCCGCAAG GTCAAAACCGGAGCAGTTTTCTTCCCACAATCGCGCTCATCGAGTCCAGCCTGACCGTCT TTACGCCTGCCAATGAAGAAAATGAGGCAAAACTGGCAAAACTGTTCAAAGAAATGACAG GCATTACCGATTTGAACCCCGGCATCAGCACCATCCACGGTCGGGAGATTCCCCACAAAG CCGAGTCCGGCCGTGCCATATGGTTTGATTTCCGCGCACTGTGCTTCGGCCCCCGCTCAC **AGTCCGACTATCTGTATTTGGCCGAACATTATGAAATGGTTTTTATTTCAGGTTTGGAAC** AACTCTCACCGCAAGAAAAGGCGGAGGCGCGGCGGCTGACTTGGCTGATTGACGTACTCT ACGATTTCCGGGTCAAACTGTGTGCCACCGGCGCGGTAGATGTCAACCATATCTATACGG AAGGCGATTTTGCCGAAGAATTTACCCGCACCGCCAGCCGGATGGTCGAAATGCAGTCCG **AAGTTTATTTGGAACAGCCGCACCTGACCCTATCTCCCAAGGCTTCAGGCGGATAAGTTA** TTTTTTTGATAGAATACCGATTTGATTCTTCTTAAGTAAAAATAAGGATATAGCATGGCG ATTGAACGTACCATCTCCATCATCAAACCCGATGCCGTCGGCAAAAATGTTATCGGCAAA ATATACAGCCGCTTTGAGGAGAACGGTCTGAAAATCGTTGCCGCCAAAATGAAGCAGCTT ACTCTCAAAGAGGCGCAAGAATTTTATGCGGTTCATAAAGACCGCCCCTTCTACGCCGGA TTGGTTGAATTTATGACCGGCGGTCCGGTTATGATTCAGGTATTAGAGGGTGAAAACGCC GTCCTGAAAAACCGCGAACTGATGGGTGCAACTAATCCTTCCGAAGCCGCCGAAGGCACG ATACGCGCGGACTTTGCCACTTCGGTCAGCATTAATGCCGTTACACGGTTCCGACAGCGTG GAAAATGCCGCTTTGGAAATTGCCTACTTTTTCAGCCAAACCGAAATCTGCCCCCGTTGA TACAATACACCGCCCAACTCCTCTTCAGACGGCATAAATATATCCATGCCGTCTGAAAAC GATTTAAGAAAACACAAACACATGAAAACCAATCTGCTCAACTACGACCTTCAAGGGCT GACCCGACATTTTGCCGATATGGGCGAAAAACCTTTCCGTGCCAAACAGGTTATGCGTTG GATGCACCAATCCGGCGCGCAAAATTTTGACGAAATGACCGATTTGGCAAAATCGTTGCG CCATAAACTGAACGAACAGGCAGGCATCGAAATTCCCAAGCTGATGATGTCTCAAAAATC TTCAGACGGCACTCGAAAATGGCTTTTGGATGTCGGTACGGGCAACGGCGTGGAAACCGT CTTCATCCCCGAATCGGATCGCGCACGCTCTGCATTTCCTCACAAGTCGGCTGCGCTTT GGAATGTACATTTTGTTCGACCGGCCGGCAGGGCTTCAACCGCAATTTGACTGCTGCCGA AATCATCGGGCAATTGTGGTGGGCAAACAAAGCGATGGGCGTTACACCGAAAAACGAGCG CGTGATTTCCAACGTCGTCATGATGGGCATGGGCGAGCCGATGGCGAACTTCGACAATGT CGTTACCGCCTTAAGCATCATGCTGGACGACCACGGCTACGGTTTGAGCCGCCGCCGCGT AACCGTTTCCACTTCGGGTATGGTTCCCCAAATGGACAGGTTGCGGGATGTCATGCCGGT GGCTTTGGCGGTTTCCCTCCACGCTTCCAATGACGAAGTCCGCAACCAAATCGTACCGTT GAACAAAAAATATCCCTTGAAAGAATTGATGGCCGCATGCCAACGCTATCTGGTCAAAGC ACCCAGGGATTTCATCACTTTCGAATACGTCATGTTGGACGGAATAAACGATAAGGCGCA ACATGCGCGCGAACTGATCGAACTGGTCACAGATGTTCCCTGCAAGTTCAATCTGATTCC GTTCAATCCCTTCCCAAACTCCGGATACGAACGCTCCAGCAATGAGAACATCCGTGTGTT CCGCGATATTTTGCAGCAGGCAGGATTTGTCGTTACCGTACGAAAAACGCGCGGCGACGA CATCGATGCCGCCTGCGGACAGTTGGCGGGGCAGGTTCAGGATAAAACGCGCCGCCAACA AAAATGGCAGCAGATTTTAATCGGACAACAGGGGTAATTATGCCTTTTAAGCCATCCAAA CGAATCTCTTTATTACTCGTTCTTGCCTTGGGCGCGTGCAGCACTTCCTACCGCCCCTCG CGGGCAGAAAAAGCCAATCAGGTTTCCAATATCAAAACCCAGTTGGCAATGGAATATATG - CGCGGTCAGGACTACCGTCAGGCGACGGCAAGTATTGAAGACGCCCTGAAATCGGACCCT AAAAACGAGCTTGCCTGGCTGGTCCGTGCCGAAATCTATCAATACCTGAAAGTTAACGAC

AAGGCGCAGGAAAGTTTCCGGCAAGCCCTCTCCATCAAACCCGACAGTGCCGAAATCAAC AACAACTACGGTTGGTTCCTATGCGGCAGGCTCAACCGCCCTGCCGAATCTATGGCATAT TTCGACAAAGCTCTGGCCGACCCCACCTACCCGACCCCTTATATTGCCAACCTGAATAAA GGCATATGCAGCGCAAAACAGGGGCAATTCGGATTGGCGGAAGCCTATTTGAAACGTTCC CTCGCCGCCCAGCCGCAGTTCCCACCCGCATTTAAAGAACTGGCGCGCACCAAAATGCTG GCCGGGCAGTTGGGCGATGCCGATTACTACTTTAAAAAATACCAAAGCAGGGTAGAAGTC CTTCAGGCCGATGATTTGCTGCTAGGCTGGAAAATTGCCAAAGCCCTCGGCAACGCACAG GCGGCATACGAATATGAAGCACAATTGCAGGCGAATTTCCCCTACTCGGAAGAATTGCAA ACCGTCCTCACCGGTCAATAAACAGATTCAAACCATATGAACACACCTCCAACGCCGCAAG ACGCATCAAGTCCGCATCGATCATATTACCGTCGGTTCAGAAGCACCCGTCGTTATCCAA TCTATGACCAACACCGACACTGCCGATGCAAAAGCCACCGCATTGCAGATTAAGGAATTG AGCGATGCCGGATCCGAAATGGTGCGTATTACCGTCAACAGCCCCGAAGCCGCGTCCAAA GTTGCCGAAATCCGCCGCCGCTTGGACGATATGGGCTATGCCACACCGCTTATCGGCGAT TTCCACTTCAACGGCGAACGCCTGTTGGCGGAATTTCCAGAATGCGGCAAAGCATTGTCC **AAATACCGCATCAATCCCGGCAATGTCGGCAAAGGCGTAAAAGGCGATGAAAAATTTGCC** TTTATGATTCGGACTGCTGAAAACGATAAAGCCGTCCGCATCGGCGTAAACTGGGGT TCTTTGGATCAAAGCCTCGCCAAACGTATGATGGATGCCAACCTCGCTTCTTCCGCGCCG AAACCGCCCGAAGAAGTGACGAAGGAAGCACTGATTGTCTCCGCTTTGGAATCTGCCGAA AAAGCCGTTCTATTGGGACTGCCCGAAGACAAAATCATCCTGTCGTGCAAAGTCAGCGCG GTTCAGGATTTGATTCAGGTTTACCGCGAACTGGGCAGCCGTTGCGCCTATCCGCTGCAT TTGGGTTTGACCGAAGCCGGTATGGGCAGCAAAGGCATTGTCGCATCAACGGCGGCATTA TCCGTCTTGCTTCAAGAAGGAATCGGCGACACCATCCGCATTTCACTGACTCCGGAACCT GGCAGCCCGCGTACTCAGGAGGTCGTCGTCGGGCAAGAGATTTTACAGACTATGGGATTG CGTTCGTTTACGCCGATGGTTACCGCCTGCCCCGGCTGCGGGCGTACCACCAGTACCGTA TTTCAAGAGCTGGCACAAGATGTTCAAAATTACCTGCGCCAAAAAATGTCTATATGGCGT ACCCTTTATCCTGGGGTTGAATCCCTGAACGTTGCCGTAATGGGCTGCGTTGTCAATGGG CCCGGAGAAAGCAAATTGGCCGACATCGGCATCAGCCTGCCCGGTACGGGAGAAACACCC **GTTGCCCCTGTTTATGTAGATGGTGAACGTAAAGTAACGCTGAAAGGCGACAACATTGCA** ACGGAATTTCTGGCTATTGTTGAAGAGTATGTCAAAACCAATTATGGGGAGAACGGACTC AAACGCCATCAAGGGAAGGTTATCCCGATACACTCCCTATAAAATCCAACCGCCAGCCTA CCTTGGCTATTTTTAAATAAAAACCGTTTATTTTCATTGATATAAAACCCATCCCATTGG **AAAAGGCATTTTTTTAAACCGATAAGGAATGGAGGCGCAATATGAAAATACAATCGGCAA** ATACGGAGATGAATTGCAGGTATAAATAAGGAAGGCGGGATACCGCTTCCTGCCCTTGTC TTTTCTCAATAACCGTACCGGCAGATTCAGGAGGATGCGAGTGTCGCGCCCTTGCAAAAA CTGCTGCCCCATTTGGCTTTCAGACGGCATCCGTCCATCACAGGCGGGAACGGGGATCCT TTAAAAAACTCCAAATCCTTCTTCCGTCCCGTGGATGACGGTATCGATACCATATCAAAC GCAGCTTGAAACAAATGCCGTCTGAACGTTTCAGACGGCATCGGTTTCTCAGGTTTCT TGGCTTCTTCGGCAGACATGAAATTATCACGGTCGGTGTCGCGTTCCAAATCTGCCAAAT CGCGGTCGCAATGTTTCGCCATCAGGCGGTTGAGTTTTTCTTTGATTTTTAAAAGTTCGC GTGCGTGAATTTCAATGTCGGATGCCTGACCGCCCAGACCGCCGCTGATTAAAGGCTGGT GAATCATAATCCGGCTGTTGGGTAGGGCAAAACGTTTGCCTTTCTCGCCTGCCGACAATA AGAACGCGCCCATACTTGCCGCCTGCCCCAAGCACAAAGTCGATACATCGGGCTTGATGA **AATTCATGGTGTCGTAAATCGACATACCGGCCGTTACCGAACCGCCCGGCGAGTTAATAT** AGAAGAAAATATCCTTATCCGGATTCTCACTTTCCAAAAACAACAGTTGGGCAACCACCA GATTGGCGGACTCGTCGGTTACCGGTCCGACCAAGAATACGATGCGCTCTTTCAAAAGCC GGGAATAGATATCGAATGCACGCTCACCGCGACCGCTCTGCTCGATAACGGTAGGGACAA GATAGTTATCAAAAGACATTTCGTCTCCTTTCATGATGGAAAAGCACCAAAGCGAGCTTT AAAAGCGGCTTCGGTGCTTTCAAAAACTGCCTTCAGACGGCATTTTCAGGATAATCAGGC TTGCGCGCCCATCACTTCGTCAAAAGACAAAGCTTTTTCATTTACTTTGGCTTTGCCCAA AACGAAATCAACGACGTTGCTTTCTACCGCCAAAGAAGTCGGGGGCTTGCAGGCGGGAAGG **ATCTGCGTAGTACCAGTCAATCACTTCTTGAGGATCTTCGTAGCTTTCTGCAAAGTTGGC** TAAAATCAGACCTAAAGATACGCGGCGTTCGGCTTGTTCTTTGAACATATCCAAAGGCAG **ATCCAAGTTGGCAGCATCAGCCATACCTTGGTTAACAAAATTTTGTTTCATTTCGTTTGC** CAAGCGTGCGGCTTCTTCATTGACCAAAGCAACAGGTGCTTTCAGCTCTACGGCTTTGAG CAGCGCGTTCATTACGGATTCTTTGGTTTGTTCGTTTACGCGGCGTTCCACTTCGCGGCT TACGTTTTTCTGCACTTCTTCGCGCATTTTGGCAACGTCGCCATCCGCAATACCCAAGGC TTTTGCAAAATCTGCATCGACTTCAGGCAGAGTCGCTTCGGAAACGTTGTTCAGCGTAAT GGTAAACACGGCAGTTTTACCGGCAACGTCTTTACCGTGGTAGTCTTCAGGGAAATTGAC GGTAACGTCTTTACTTTCGCCAGCCTTCATGCCGACTACGCCGGCTTCAAATTCAGGCAG CATTTGACTTGCGCCCAATACGAAGGCGTAGTTTTTGGATGCGCCGCCGGCAAAAGGTTC GCCGTCGATTTTGCCTTCAAAGTCAATGATGACGCGGTCGCCGTTTCGGGCTTCGCGTTC GACATGGTTGAAGCGGGTGCGTTGTTTGCGCAGGATTTCTACGGTTTGGTCCACTTCGGC ATCACCGACGGAAGCGGTTACTTTTTCAACTTCTTGTGCAGACAAATCGCCGATAACGAC TTCGGGGAACACTTCAAAAATGGCGGCAACTTTGAAAGACTCTTTATCGTCTTGTTCTTC AACGCCTTCAAAACGGGGGAAGCCTGCCACTTTCAACTCTTGGGCAACGGCAACATCGTA GAAGCGGCGTTGCACCAGCTCGTTGATCACGTCGTTTTGTGCGCTCGCACCGTACATTTG GGCAATCATTTTTAAAGGTGCTTTACCCGGACGGAAACCGTCGATTTTTGCACGGCGTTG GGTTTGTTTCAGTTTTTTATCGGTTTCTGCGTTGATTTCGGACCAAGGCAGGGACAACAC TACTTTGCGTTCCAGATTTTCTAAAGTTTCAACAGTTACGCTCATCATAAGCCCTTAAAT TTGTTGTGTTGATAAAATGATAAACTTTCTTCCCTACATGGGGAAGCAAACAGCGCAACG GTACGATATTTGAACCGCATTGCCGCAAAGGGGAAATTTTTAGCTGGCAAGTATATCACAA TGTTTCGCCTGAAACATAATATGCCGTCTGAAACGCCAATTCCGCCGTTCAGACGGCATT TTGCAATACGGGCTACAAATGGTCCTTGTGCGCCAAAATTTTACGGCTGCCGTTGAGGTC

GGTGGAAGAAACGACACCCGCATTTTCCAGTGCCTCCATCAGGTTTGCCGCGCGGTTATA GGCGACTGCCTGATCGAACAATTCGTCGCTGTCTGCATTCGGATTAACGATATTGGCAGT TTCCAGCGCGGCCTCGCCGCTGAGCAGACCTTCAATATAGTCGGCTTGGGGCTTGCGATTT CGGTTCGGCACTGCCGGGCTGGAGGAACAGCGAATCGCCATATTTGAGCAGTTCGTCCGC GCCCATTTGGTCGAGGATGGTACGGCTGTCGATTTTGCTTTGCACGGTAAACGCCATACG CGTCGGGATGTTGGCTTTAATCAGGCCGGTAACGACATCGACACTGGGACGTTGGGTGGC GACAATCATATGGATACCGGCGCGCGCGCTTTTTGGGCGAGACGGGCGATTTGCTGCTC GACGGCTTTGCGTTCGGTCATCATCAGGTCGGCAAGTTCGTCGATAACGACCACAATCAA CGGCAGTTTTTCCAGCGGCTCGGGCTCGTCGGGGTTCAGGCTGAACGGATTGAGCAGCGG CTTGCCTGCCGCTTTTGCGGCTTCGACTTTTTGGTTGAAGCCCTCCAAATTACGCACACC GGCATGGGAAAGCAGGCGGTAGCGTTTTTCCATTTCGGCGACGCACCAGTTCAACGCCTG CCCTGCTTCGCGCATATCGGTCACGACGGGACAGACGGTGCGGAATACCGTCGTAAAT GCTCAACTCGAGCATTTTCGGGTCTATCATAATGAAGCGGACTTCGTCGGGCGTAGCTTT GAAAAGCATAGACATAATCATGCCGTTCACGCCGACGGACTTGCCCGAACCAGTCATACC GGCGACCAAAAGGTGCGGCATTTTCGCCAAGTCGCCGACAACGGGGGTACCGGCAATGTC TTTGCCCAGCGCGACGGTCAGCTTGGATTTGGCTTCGGCAAACACGGGCGAGGACAAGAT TTCACTCAACATCACGTCTTGGCGTTTGTCGTTGGGCAACTCGATGCCCATCGTGTTTTT ACCTGCGATGGTTTCGACGATACGCACGGACTGCAGCGACATAGAGCGTGCCAAATCTTT CGACAAGGCAACAATTTGGCTGCCTTTAACACCTTGCGCGGGTTCGATTTCGTAGCGCGT GATGACGGGGCCGGATGTGGCGGATACGACTTGTACGCCGATGCCGAATTCTGCCAGTTT GGATTCGATCAGTTCGGCAGTGCGCTCCAATTCGGCGGGATTGATGCTGACGGGTTCGCT GTCATCTTCAAACAGAGAAACCTGAATTTTGGGCGGCGGCGCGACGGAAACCGCGACGGA TTTGCGGTTGCTGCTGCCTTCGGGCAAGGCAACGGGTTTGGCCGTAATATTCTTGGC TTCTTTTACCATGCGCCGTGTATTTTGGGTATCGACACCGTCTGTTTTGGTATTCGGCCG GCGTTTTCCTAAAGCCATGACCTTGCCGGATAAGGCACTCAGGCGGTTTTGAACCGCCCT GCCCGCACCGTTCAAAAATTCCAGCCATGAAATCTGCACCAGCAGGGACAACGACAACAG CAGAACAACCAAGATAATCAGCAGGCTGCCCGATTTCCCCAGCAGCCACGCAAACACTGC GCCCAGCACAAAATACTCCAAGACGGGGCTGAAGACCGTCAGGACAAACAGCGCGGCGGC AGCGATTTTGTGGTTGTATGCCTCGTTTTCCGTCTGTTTTGCGTGCAGGCGGAAATTTTT ATACAGCACGACGCAGGCAGCCGCTATCCACCAGCAGACGACCAGCCGAAAAGATAATA GCCGACATCGGCAACATACGCGCCGAACAGTCCGCCCCAATTGGCGACATCTTCCACAAC CGGCGAACTGTGCGACCAAGACGGATCGCCCATATCGAAACTGATCAGGGAAATCGCCAA ATACAGGGTTGCCGCCAAACCCATCAGCCACAGTGCGTCGCCGATAAGGTTGACGACATG TTCGGGACGCGCTTTTTGGTTTCGGTTTTCTGCAACTCTTTGACCGCCTTGAGCCGCTC CGGGCTTCCCGCCCTGCCTTTTGCTGTTTTTTTTTTTGGGATTTTTCTGTCATGCCGTATTA CCGGAAAATGCCGTCTGAAATAAGGAAGCCGGACGGCTTGCGGATTGAATATGGAAAGTG CGGCATATCTGTTGCCCGACGTATGTATTTTTACGCAGACCCTCGGCAAACCAGTATAAT CCGTGCCGTTTGAACCGATTGAAAGAAGATGGTATGAACCAACTGAAACTTGCCGTTTCC GGTGCACAGATTTTATTTGTGGCATTCGGCGCAATGGTGCTGGTTCCCCTGCTGACCGGT CTGAATCCGGCTCTTGCGCTTTTGGGCGCAGGCTTGGGAACGCTGCTGTTCCAAATCACA ACCAAACGCAAAGTGCCGATTTTTCTTGGTTCTTCGTTTGCCTTTATCGCACCGATTATC TACTCCGTCGGCGAATGGGGGCTGCCTTCCACCATGTTCGGACTGTTTGCCGCCGGCTTT ATGTATTTTGTGTTTGCCGCGCTGATCCGTTGGCGCGGACTGGCAGCGGTACACAAACTG GCAAGCAGCATGGCAATGGGTCAGGCGGACGGCAAACAGGTCATCGACTATACCGATTCG CTGATTCTTTCCGGCTTTACCTTTGCCGTTACCGCCATCGTATCGGTTTTCGGCAGCAGG ATGATGAAGCTGATTCCCATCTTGATCGGTGTCGCTTCGGGGTTATGTTTTGGCACTGCTG ATGGGACTGGTGGACACGGCAAGCATTGCACACGCGCCCTGGTTCGCCGTTCCCCATTTT GAAACGCCTCAGATCAACTGGCAGGCTGCACTGTTTATGCTGCCCGTTGCCGTCGCCCCC GCCATCGAACACCGGGGCATCATGGCAATCGGCAATGTGACGGGGAAAGACTATACG AAAGACCCGGGCTTGGACAAAACCCTTGCAGGCGACGGTTTGGGCGTATGCGTTGCGGGT CTGATCGGCGGCCCGCCGGTTACGACCTACGGCGAAGTAACGGGTGCGGTGATGATTACC AAAAACAGCAACCCCGTCATCATGACTTGGGCGGCGGTTTTTGCCCGTCTGCATGGCGTTT TTCGGCAAATTCAATGCGTTTTTGGCTTCCATTCCGATGCCAGTAATGGGCGGCATTATG GATTTGATGCTGCCGAAAAACCTGGTCATCGTCAGCTCGGTACTGACCACGGGCATCGGC GGCATGACGCTCAAATTGGGCAGCTTCAGCTTTGCCGGCGTGGGCTTGTGCGCCGTACTT GCCATTATGTTGAACAGCCTGCTGCCCGATCCGAAAGAATCCTGACCGTCGATATAGAAA TGCCGTCTGAACATCTTTCAGACGGCATTTTCCGTTTTATTTGAGATTTTGAATCAAAGA GCGCACAGTTCCGCCGTAATAAGAAGAAGATGTGCAATACACTGTTTCCAAGCCGCATTG TCCCTGTACGCCGTATTTTTTGATGCACTGGTTGAGTGCGACCTGATGAACGCTCGTAAA ACGCGGAGAAGTAATCACGACGGCGTTGTCGACACGCAGCGCGCCCAAGGCTTTCGGGTA TTCAGCAATGCCCGCAAGCGTGTCCTGACCTTTGCAGAAGGCTTCCAACTCGGAAAACGC TTCGCTTTTCGTCGAATCTTCTTTTGTGGTTTTAACCTGCAAAACATCGTCCGCATTCTG CGGATTCTGCCAAACGGCGAGATAGCCGTAAGTATCGGCAGCCCGTGCCGCCGCAGTCAT CAGGCATAGTGCCGATACGGCCAGTATCTTTTTCATCATGATAAATTCCCGACGGTTCGT CCAAATTCTGTTGCATTATAAACAAAAAACAGGATAAGTCCCGCCTTATCGGCTTATCCC TCCCCGCAGATTGCACCGCCGGGTATGGCAAACCGATTTCAGCAGCGCAAATCCGCATAC

CGCCGCCTTAGCGGCAAGCCGTTGTTTTCAGACGGCATTGCGGCCAACCTTTGCGGCGGG CGAAAAACCTTGTCCTATAATTTATCCCGTTTCAAAATCAGCATACGGTCGGAAATGCAA AAAATATCTTTCAATTTGTTGAAGCCTGCAAACTCCCCGAAAATAGGGAAACGCCGCCCC GGTTTGAACGGCGCGCCATATTCCGATGCCCTCCCCCGATACCTTCCGGCAAGCCCA GAAATGCCCGGCAACAACATCCATCCGGCAAAAATCCGAAACAACACCCCGGCGGCAGG TCATCCTAAAGGGCGTATTGTTCGATAATGGTTTGGGTTATAATCCCCTATCGATTCTCC ACGTCCGTGAGA CACTTCAGCTATGGAAACCCCGACCAACACCCCGCAACGCTCCCTGCG TCAAAACAGTATCTACCTGCTGCCCAATTCCTTTACTATCGCCGCGCTGTTTTCCGCGTT TTACGCAATCACCCAATCCATGCACGGACGTTATGAAACCGCCGCCATCGCGGTATTCAT CTCTATGTTGCTGGACGGTATGGACGGCGCGCGTGGCGCGGCTGACCAACAGCCAAAGCGC GTTCGGGGAGCAGCTCGACAGCCTTGCCGATATGGTCAGCTTCGGCGTTGCTCCCGCTCT GATTGCCTACAAATGGCAGCTTTGGCAGTTCGGCAAAATCGGTTATTCCGTCGCCTTCAT CTACTGCGCCTGCGCCCTGCGCCTGTCAACACTCATCGGCAAGGTGGA CAAACGCTGGTTTATCGGCGTGCCCAGTCCGACTGCCGCCGCGCTGATTGTCGGGCTGAT TTGGGTCAACCACAGCGTCGAAAAATTCCCCGCCGTCCACTGGTGGGCATTGGGCATCAC ACTGTTTGCCGGCCTGTCGATGATTGTCCAAATCCCTTTTTGGAGTTTTAAAGAAATCAA CATCCGCAGACAAGTCCCCTTTGTCGGAATGCTGCTTGCCGTCTTACTGCTGCTTCTGGT CACTTGGGAACCGTCGCTCGTCCTCTTCCTGTTCTTCCGGATACAGCCTGTCCGGCTA CATTATGGCGGCACGCCGATTTTGGAAAAAGTACAGAAAGGCGGATTAAATGTGGCATTG GGACATTATCTTAATCCTGCTTGCCGTAGGCAGTGCGGCAGGTTTTATTGCCGGCCTGTT CGGCGTAGGCGGCGCACGCTGATTGTCCCTGTCGTTTTATGGGTGCTTGATTTGCAGGG TTTGGCACAACATCCTTACGCGCAACACCTCGCCGTCGGCACATCCTTCGCCGTCATGGT CTTCACCGCCTTTTCCAGTATGCTGGGGCAGCACAAAAAACAGGCGGTCGACTGGAAAAC CGTATTTACGATGATGCCGGGTATGATATTCGGCGTATTCACGGGCGCACTCTCCGCAAA ATATATCCCCGCGTTCGGGCTTCAAATTTTCTTCATCCTGTTTTTAACCGCCGTCGCATT CAAAACACTGCA TACCGACCCTCAGACGGCATCCCGCCCGCTGCCCGGACTGCCCGGACT GACTGCGGTTTCCACACTGTTCGGCACAATGTCGAGCTGGGTCGGCATAGGCGGCGGTTC <u>ACTTTCCGTCCCCTTCTTAATCCACTGCGGCTTCCCCGCCCATAAAGCCATCGGCACATC</u> ATCCGGCCTTGCCTGGCCGATTGCACTCTCCGGCGCAATATCGTATCTGCTCAACGGCCT GAATATTGCAGGATTGCCCGAAGGGTCACTGGGCTTCCTTTACCTGCCCGCCGTCGCCGT CCTCAGCGCGGCAACCATTGCCTTTGCCCCGCTCGGTGTCAAAACCGCCCACAAACTTTC TTCTGCCAAACT CAAAAATCTTCGGCATTATGTTGCTTTTGATTGCCGGAAAAATGCTG TACAACCTGCTTTAAAACACACGAAAAAACCTTTTTACCGTTTGCACAAGCAATTAATCA GCAGAATATACGAAAAACAAAACAAATACCGTCTGAAACCACATTCCGACAATCGGCAGG **GTTTCAGACGGCATCTGATAATTTCAATTACTCGGTTGCGGCAACGACGGCAACGGTAAT** TTTAGCAACGGCATCAGTGTGCAAAGCCACTTCCACTTCGTACTCGCCAACGGCTTTCAG AGGACCGTTCGGCAGACGTACATTTGCTTTCACGGCTTCGATGCCGGCAGCAACGATTGC AGCAGCAATGTCGGCATTGGTAACGGAACCGAACAGGCGACCGTCCACACCAGCTTTTTG AGCAACGGTAACGGTTTGACCGTCCAATTTTTCCTGACGGACTCGGGCATCTGCCAAAAT TTCAGCCTGTTTGGCTTCCAGTTCTGCGCGGCGTGCTTCAAACTCTTTCATATTCGCTTC GGTCGCACGTTTTGCCTTACCTGCGGGAATTAGAAAGTTGCGGGCGTAGCCGTTTTTAAC GGTTACGATGTCGCCCAAGTTGCCCAGACCGCCGATTTTTTCTAACAGAATAATTTGCAT GATTCAATCTCCAAAATTATTTGTGTTGGTCGGTGTAAGGCAGCAGCAGCAGCAGCAGCAGCAGGAAGCGTG CGCGTTTTACGGCAACAGCCAATTGGCGTTGGTAGAATGCCTTCGTTCCTGTGATGCGTG CGACTTCTTGGATTTTTCAGCCGTGAAACGGCAGAATTTTCTACGTTTGAATGATTGAC GAGCCATTGTCGTTTAACCTTTATATTCTTGAATATTTTGTATCCTGAGCATCGGCATAA GGGAACGTCTGCTTTTTTGAGCTAAAAAACCTTCGACGTGAACATATACACCTTGCCGAT **ACTGCCACTCTTCCGCCTGCCTGCCTAAAATCCGTGCCGGAATTTCCAATTGGACAAGGC** ATTGCTGCCCGTTTTCCTCCTGCCACGATTCGTGCTTTAAAATAATATCTAAAACAGGGA TTCCGCAGGCGTATATCGAATAGGGAAAACCTTTTCAATTAACGCGGCAAGCGAAACAA GATTATTGAATCCCAATTATTGGGCGACCGCTCTTCTCAGACGCACCGCTCAACAGGTTCT TAGCCTTTTCACCACCCAACATAGGGGATGCTTCGGTAACGGCGTGTTTGGTTTTGATGG TCAGATGACGCAATATTGCATCATTGAAGCGGAATGCGGTTTCCAGCTCTTCAACCACTT CGGGAGTGGTTTCGATGTTCATCAAAACGTAATGGGCTTTATGGATTTTGTTAATCGGGT **AAGCCAGCTGGCGGCGACCCCAGTCTTCCAGACGGTGAATCTTACCGTTTGCTTCGGCAA** TCATGGTTTTGTAACGTTCAACCATAGCGGGTACTTGCTCGCTTTGATCGGGATGAACGA CCATGCGAAAGCAGAAGGCAAGGTTTAAAGAAGCGGCATTATATTGGGGTTTGCCGACGG **AATCAAGGATTTGGTGCGAAAAATTTGCATTCCGCCGAAAATTTCGGTTTCAGACGGCAT** TCAAATGTTTTGGCTGCCCAGCCAGCGTTCCGCGTCCAAAGCCGCCTGACAGCCGGAAGC TTCGATATTGGTTGCGCCGACATTGTCCGCCGTGCCGCCTTTGGTTTTCAGGTAACCGGC TTCGTCCATTTCCAACTGACCTTTGAAAATATCGGTATTCGGCTTGTGCCCGATGGCGAT AAAAATGCCGCTGACGGCAATTTGTTGCTCAGAACCGTCGTTGTTTTTTAATAATGCGCC GTTTACGCCCCGATCGTCGCCCAGTACTTCTTGCAGGTTGCTTTCCAGCTTGAGGATGAT TTTGCCCTCTTCCACGCGTTTCATCAGTTTGTCGATCATGATTTTTTCGGCACGGAACTC GCTGCGGCGGTGGATCAGGGTAACGGTTTTGGCGATATTGGCAAGGTAGAGTGCCTCTTC AACTGCCGTATTGCCGCCGCCAACTACGGCAACATCTTGGTTTTTATAGAAGAAACCGTC GCAGGTGGCACAAGCGGAAACGCCTTTTCCTGCAAACGCTTCCTCACTCGGCAAACCGAG GTATTTGGCGGACGCCTGTTGCGACAATCAGGGCATCGCAAGTGTACTCGCCCATATC GCCTTTGAGTGTAAACGGGCGTTTTTGCAGATCGACGGCGTTGATTTGGTCAAAAATGAT TTCCGTTCCGAAACGTTCGGCGTGGGCGAGAAACCGCGCCATCAATTCCGGCCCTTGCAC

GCCGTCGGCATCGGCAGGCCAGTTGTCCACTTCGGTGGTGGTCATCAGTTGCCCGCCTTG GTATCCGGCGGGGCCGGAACCCAAAATAATCAGTTTGCGGTGTTGGGACATTGTTTTTCC TTTGCTGTGTCAAGTTTTCGGATTCTACTCGAATTATCGGCGCGTTTGAGAAATTTCGAC CATACCGGCGCTCAGACGGCATCCCGCAGCCTTAACTGCCGTCTGAATATCAAAGCAGGA ATCACGCTTATGCAACAAAAATCCGTTTCCAAATCGAAGGCATGACCTGCCAGGCCTGC GCTTCGCGCATTGAAAAAGTGTTGAACAAAAAAGATTTTGTCGAATCGGCGGGGGTAAAC TTCGCCAGCGAAGAGGCGCAGGTAGTGTTTGACGACAGCAAAACCTCAGTAGCCGACATT GCCAAAATCATTGAGAAAACCGGTTACGGCGCGAAGGAAAAAACGGAAGATACATTGCCG CAACCCGAAGCAGAACACCATATCGGCTGGCGGCTGTGGCTGCTGTTCACCATCAACGTC CCGTTCCTTATCGGCATGGCGGGGATGATGATCGGCAGACACGATTGGATGATTCCGCCG AGCGCGTGGGCGAGCATTAAGGGCGGACTGGCGAATATGGACGTGCTGGTTACCATCGGC ACGGTCTCGATTTACCTGTATTCCGTCTATATGCTGTTTTTCAGCCCGCACGCGGCGTAC GGTATGGCGCATGTGTATTTTGAAGTGGGCGTGATGGTGATCGGTTTTGTGTCACTGGGT AAATTTTTGGAACACCGTACCAAAAAATCCAGCCTCAACAGCTTGGGCTTGCTGCTCAAA CTTACACCAACCCAAGTCAACGTGCAACGCAACGGCGAATGGAAACAGCTTCCCATCGAC CAAGTGCAAATCGGCGACCTTATCCGCGCCAACCACGGCGAACGCATTGCCGCAGACGGC ATCATTGAAAGCGGCAGCGGTTGGGCGGACGAGGCCATCTTACCGGCGAATCCAATCCT GAAGAAAAAAGGCGGGCGCAAAGTGTTGGCGGGCGCGTTAATGACCGAAGGCAGTGTG GTGTACCGCGCCACGCAGCTCGGCAGCCAAACCCAGCTCGGCGACATGATGAACGCGCTC TCTGAAGCACAAGGCAGTAAAGCACCGATTGCGCGCGTAGCCGATAAAGCGGCTGCGGTA TTCGTGCCTGCCGTCGTGGGCATTGCGTTGTTGACTTTATTGTTACTTGGCTGATTAAG GCGCTGGGTCTGGCAACCCCTGCCGCGATTATGGTCGGTATGGGCAAAGCGGTTAAACAC GGTATTTGGTTTAAAGACGCGGCAGCAATGGAGGAAGCCGCCCACGTCGATGCCGTCGTG TTGGACAAAACCGGTACGCTGACCGAAGGCAGCCCGCAGGTTGCCGCCGTTTATTGCGTT CCCGACAGCGGCTTTGACGAAGACGCTTTGTACCGCATCGCCGCCGCCGTCGAACAAAAC GCCGCCCATCCGCTCGCCCGTGCCATCGTCTCCGCCGCCCAAGCGCGCGGTTTGGACATT CCCGCCGCACAAACGCACAAACCGTTGTCGGCGCAGGCATTACCGCCGAAGTGGAAGGC GTGGGTTTGGTGAAAGCAGGCAAAGCCGAATTTGCCGAACTGGCCTTGCCGAAGTTTTTA GACGGCGTTTGGGATATTGCAAGCATTGTTGCGGTCTCAGTCGATAACAAACCCATCGGC GCATTCGCACTTGCCGACGCGTTGAAAGCCGATACCGCCGAAGCCATAGGCCGTCTGAAA AAACACAATATCGATGTCTATATTATGAGCGGCGACAACCAAGGCACGGTCGAATACGTC GCCAAACAACTGGGCATCGCACACGCCTTCGGCAACATGAGTCCGCGCGATAAAGCTGCC GAAGTGCAAAAACTCAAAGCCGCCGGCAAAACCGTGGCGATGGTCGGCGACGGCATCAAC GACGCGCCCGCGCTTGCCGCCGCTAACGTCAGCTTCGCCATGAAAGGCGGAGCGGACGTT CTGCTGGTGTCGCAAGCCACTTTGAAAAACATCAAGCAAAACCTGTTTTTCGCCTTCTTC TACAATATTTTGGGCATTCCTCTCGCCGCGCTTGGCTTTTTAAATCCCGTCATCGCTGGC GCGGCAATGGCGGCAAGCTCGGTTTCCGTGTTGAGCAATGCCTTGCGCCTGAAACGGGTA AAAATCGATTAGCAGCATGTAACCGCCCTGCAGCCTTGTCCGAACGGATAAGGCTGTCTC CAGCGATATGGTAATATGCCGTCTGAAACCGTTTTTCAAGTAATTGATATGAATAAAGAA ACCCGTTTTCCGGAACACTTCGACATCCCACTTTTCCTCAAAAACCTGCCCAACCTGCCA GGCGTATACCGTTTTTTCAACGAAAGCGGCAACGTCTTATACGTCGGCAAAGCCGTCAAC CTCAAGCGGCGCGTGTCCGGCTATTTCCAGAAAAACGACCATTCCCCGCGCATCGCATTG ATGGTGAAACAGGTTCACCACATCGAAACCACCATCACCCGCTCCGAATCCGAAGCCCTG ATTCTCGAAAACAACTTCATCAAAGCCCTGTCGCCCAAATACAATATTCTTTTCCGCGAT GACAAAAGCTATCCTTATTTGATGCTCAGCGGCCATCAATATCCGCAAATGGCGTATTAC CGCGGCACGCTGAAAAAGCCTAATCAATATTTCGGCCCATATCCCAACAGCAACGCCGTG CGCGACAGCATTCAAGTGTTGCAAAAAGTCTTTATGCTGCGTACCTGCGAAGACAGTGTA TTCGAGCATCGCGACCGTCCTTGTCTGCTTTACCAAATCAAACGCTGCACCGCGCCTTGT AATGGCAAAACTGACGAATTGACGCGTACCCTGCAACACAAAATGCAAACCGCCGCCGCT AATCTACAATTCGAAGAAGCCGCACGTTACCGCGATCAAATCCAAGCGCTCGGCATCATG CAAAGTAATCAGTTTATCGACAGTAAAAATCCGAACAATCCCAACGATATCGATTTGCTT GCACTGGCGGTTTCAGACGGCCTGGTTTGCGTACACTGGGTCAGCATCCGCGGCGGACGG CACGTCGGCGACAAAAGCTTTTTCCCCGACACCAAAAACGATCCCGAGCCAAACGGACAA GATTACGCCGAAGCCTTCGTCGCCCAACACTATCTGGGCAAAAGCAAACCCGACATCATC ATCAGCAACTTTCCCGTTCCCGATGCGCTAAAAGAGGCTTTGGAAGGCGAACACGGCAAG CAGATGCAATTTGTCACCAAGACCATAGGCGAACGCAAAGTCCGGTTGAAAATGGCGGAA ATTGATGAACTGGCAAAAATCCTCGGCATGGATTCAGACGGCCTCAACCGCCTTGAATGT TTCGACATCAGCCACACACAGGCGAAGCCACTATTGCGTCCTGCGTTGTGTACGATGAG CAAAACATCCAGCCTTCGCAATACCGCCGCTACAACATCACGACCGCCAAACCCGGCGAC GACTACGCCGCCATGCGCGAAGTGTTGACGCGCCGTTACGGCAAAATGCAGGAGGCCGAA ATCGGCGTAGCCGTATCGGTATGGGAAGAACTCGGGCTGCACATCCCTTTGGTCGGCATT GCCAAAGGCCCGGAGCGCAAAGCCGGTATGGAGGAGCTCATACTGCCTTTTACCGGCGAA GTCTTCCGCCTGCCGCCCAACAGCCCGGCCTTGCATCTATTGCAAACCGTACGCGATGAA TCGCACCGTTTCGCCATTACCGGTCACCGCAAAAAACGCGACAAAGCCCGCGTTACCTCC TCCTTAAGCGACATCCCCGGCGTAGGCAGCCAAACGCCGCCAAGCCCTGCTCACCCGCTTC GCCGCTCTGCGCGGCGTGATTGCCGCCAGCCGCGAGGACTTGGAAAAAGTGGAAGGCATC AGCAAGGCATTGGCGGAAACGATTTACAATCATCTGCATTAGCATGCTGTCAAAGACAAA ATCCGTCTGTAAAAAATATGATACAGCAGGTCGGTATACCGATATATAGTGGATTAAATT

TAAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTCG CCTTGTCCTGAT TTTTGTTAATCCACTATAAACCTAACTTCATAACGAATAACGATGATT CGACAAAACGGAAAACGATCTGACATGAACAATCCCGACTTACCCTATCGGCAGGCCTTA GAATGCCTGTCTCAAAAACAATATAACTTTACCGAAGTCCGCCGACTGCTGACAGAAGCG TTCTCGGCAGGTCATCCCGCCGCCGCATTCGAGTTGGCAAAACACCTGATGGACGCGGAC AGCCCCTACCAAGACCGCGAACAAGGTATGGAAATGCTCCGCATCGCCGCTGAACAGGGA CATCCCTACGCGCGTTACAATCTGGCATATATCCAAGAATTGGAAGGCGCACCCCCGGAA ACCCTGATACCGCTTTACAGACCGTTGGCAGAAGAAGAACTGCCCGAAGCGCAAGTCCGC CTGATGTACCTTCTGTACGCGTCCCGACATTTTGAAGAAGCCTTGGAATGGGCAAAAACA AGCGCAAAAACAACCCCCACGGGCAATACCTGCTTGCCCAATACTGCCGGTACGGC ACACCGCCGGATTTTGAAACGGCGCACCTGCTCTACCGAAAATCGGCGGCACAAGGCTTG CCGGAGGCACATTGGCAGCTCGGGCTGCAATATCGTTTCGGGCAAGGGACGAAAGTCGAC ACGGCACAGGCCGTCAATCATTTGCGCGCCGCCGCACAACAAGGATACATTCCTGCCTAC ACCCCACTTGCCGAGCTCATCCTACCTACGGCTCCTGATGAAGCCGTTCACTGGTTTCAA CAGGCCGCACAGGAAAATGACCCCGATGCCCATGCCGCACTTGCCGACATCTACCTGCAA GGCAAGCATCTGGAAAGAAACCACAAACTTGCCCTGCATCATGCCGAAGCAGCCGCCGCC GAACGCCATCCCGAAGGTTTGCGGATACTGGGCGACATCTGCCGCTACGGTTTGGGCATA TCCGCCTATCAGAAACTCATATCCGACAGCGCGTTAAACCATCCTGACCAATACGGCGGC <u>ATTAAAGATTCCGCCATCAGGCGGCAAAGGGCAGAACGGCTTTATCAAAAAAGCCCAAGCC</u> CTGCATTACGGATTACAATGCGCGCCCGAATACGCAGCCGCCTCAAACTCTACACAGAA GCCGCAGAACTCGGACACAGCAAAGCCCAAACCAATCTGGGCAGCATGTATTACTTCGGA CAGGGTATGACCGCCGACTACAATGAAGCACGCAAATGGTTTGAAAAAGCCGCCGCGAAA **AAAGACAGTATGGCGTTCTACAACCTCGCCTGCATCCATTACAGCGGACACGGCGTCGAG** CCGGACAAAGAAAAGCCTGCCGCTACCTGCAAGAAGCCATAAACAACGGATACGGGCAA AAAAGCGTCCTGCAAGAACTGCTGCAACAATGGCAAAATGCCGTCTGAACAGCGTTACAC CTACCCTGCCGAAACGAAACAGGTATAATCGCCCCTTTCCCTTCCCGCCGTCCGAACAGG CGCCGAGAACCAAACACAAAACAACTGGCAAGCCGGACACCCCCGCAGCATCCGCAGCTT CGTCCTCCGCCAAAGCCATATGACCGCCGCGCAGCAACGCGCCATCGATACCTTATGGGA CAGCTTCGGCATCGACTACCAAGCAACACCGGCCGATCTTGATGCCCGTTTCGGAAGCAG CCGACCCAAAATCCTCGAAATAGGCTTCGGTATGGGGACGGCAACCGCAGAAATCGCCCG CCGCCTGCCCGAAACCGACTTCCTCGCCATCGACGTACACGGTCCCGGCGTAGGCAACCT GCTCAAACTCATAGACGAAAACCATTTAGAAAACATCCGCGTGATGCGGCACGATGCCGT AGAAGTTGTCGAAAATATGCTGCAAGACGGCTCGCTCGACGGCATCCACATATTCTTCCC CGACCCGTGGCACAAAAACGCCACCACAAACGCCGTCTGATACAAGCCCCCTTCATCGC CAAACTACTGCCCAAACTCAAAACCGGCGGCTATATCCACCTGGCGACAGACTGGGAAGA ATATGCACAGCAGATGCTTGAAGTCCTCAGTAGCTTCGACAGCCTGCAAAATACGGCGGC AGACTACGCCCCACCCGGACTACCGCCCCGAAACCAAATTCGAAGCGCGCGGCAAACG CCTCGGACACGGCGTTTGGGACTTGGTATTCAAACGGATCGGATAACAAACCACTGTTTG AAAATGCCGTCTGAAACATGTTTGCTTACAGACGGCATTTTTTCAAGATAAAGCAGCAAG TGATGTTTCGATATAAAGTTTAAAACAATAGTTTGAACGGCAAAACGCGTGTGTACCGCA GTGATAGCTACGCACGCGGTTGGTGTGATGTAGGCTACGGCTTGCTGGTTACAACCGTAA AAAAGTAAGTGCCGCCATTGCGGTAAAAACGAAGGGATTTCATAGTGTTATGCTCGTAAT GATTTTGTAGATTGGATTCTCGAATCCGACCTTTTGGGCATTGCTGCAATGGATTGCAAC GACGGGAATGTTGAAGGTTTTGTCGGATACAAGTATCCGACCTACGCTTGTTGCTATATA TGCTTCTTTAGGCTTTTATCATTCCATGATATAGATATTTCTTCCTTTTCATTTTCTTTA TAAAATTTTAAACCTATATCACCATTTTTCCATTCCTGGTGGTTTACTATGATTTTATTT TTAAAAGAATCTCTTAAACTTTCATGTAAAGAGTTAAATTTTCTTGATTTACTTCCCTTA **GTACATGGTGAGCAATTGTATTTCTAATTTTATTTAATCTCTCCCCTATATCATATACTT** CGCTAAATAAGCCAAGATTACGCGCAATTTTTAGTTTTGTGCGAAATCCAATTTGTGTAT CATTGAAAAATCTTCTTTATTACATTTTGCATATATCCATGCCTCTAAAATTCTTTCAA AAAATAAATGTGTTCGTAAGATTGAACCTATTTCATCCTGTGTTTCAATAGCTTCTTTCA AATAGTTATTCTAATATCTAAATTAAATAATAAACTACTATTTTTATATCCACGACAAAG TCTAAGTCTCACTCCGCCCAAACAACAAATTCTCTTTAATATCCCTAATCCTATCCCGC AACACAGCCGCCTCTTCAAACTGCAAATCCCTAGCCGCCTGCTGCATGGCTTTTTCGAGT TTGGCGATTTCTTAATCGCATCTTCTTCGTTGTGAATCTCGCCCACTTTAACCTTGTTT TTACCTTTCAGACGGCCTTTACTGCCGTCTTCTTCGTGGTACACGCCGTCGATGATGTCT TTGACCTGTTTTTTAATCTGCTGCGGCACGATGCCCTGTTCTTCGTTGAATTTAATCTGT TTTTCACGGCGGCGTTCGGTTTCGTCGATAGCGGCTTTCATGGAGTCGGTAATTTTGTCG GCGTACAGGATGGCGACGCCGTTCACGTTGCGCGCGGCGGCCTATGGTTTGAATCAGG TCGGGGATGTCGAGGCCTTCGCGTAAGAGGTTGATGCCGACGAGTACGTCAAACAGGCCG AGCCGTAAATCTCTAATGATTTCAACGCGCTCGACGGTGTCGATGTCGCTGTGCAGGTAG CGCACTTTGATACCGAGTTCGCTGTAATAGTCGGTGAGTTGCTCCGCCATGCGTTTGGTG AGGGTAGTAACGAGTACGCGTTCGCCTTTTTCAATGCGGTCGTTGATTTCGCTCATTAAG TCGTCGACTTGGGTGGCAACGGGGCGGATGATGATTTGGGGGATCAACCAGCCCTGTGGGG CGGACGACTTGTTCGACCACTTGTCCGGCGTGTTCTTCTTCGTATTTGGCGGGGGTAGCG CCTTTGTACATGCCGCCGATTTGGGTTACGGTAACGTGGCTTTCGTCGATGAACATGATG

GCGTTGTCGGGCAGGTAGTCCATCAGCGTAGGCGGCGGTTCGCCTTCTTTTTTGCCGGAA AAGTGGCGGGAGTAGTTTTCGATTCCTTTGCAGAAGCCCATTTCGTAGAGCATTTCGAGG TCGAAACGGGTGCGCTGTTCGATGCGTTGTTCGACGGGGCGTTGTTCGCGGGCGAAA AATTCGATGCGTTCGCGTAATTCTTCTTTGATGGACTCGCAGGCGCGCAAGACGGTGTCG CGCGGGGTAACGTAGTGGCTGGACGGGGAAGACGGTGTAGCGGCCGACGCGCTGGATAAGG CTGCCTGAAAGCGGGTCGAACATATCGAGGCGGTCGATTTCGTCATCAAACAGGCTGATG CGTAAGGCGTTTTCGGAGCTTTCGGCGGGGTACACGTCAATCACGTCGCCGCGCACGCGG AAGCTGCCGCGTTTGAAGTCCAAATCGCCGCGTTCGTATTGCATGGAAACGAGCGTGGCG ATGATGTCGCGCTGCTCGATGGTATCGCCTTCTTTGACGGACAACACCATTTGTTGATAC TCGGTCGGGTCGCCGATACCGTAAATGGCGGACACGGTGGCGACGATAATCACGTCGTTG CGCGTCATTAGGTTTTTGGTGGCGGAAAGGCGCATCTGCTCGATGTTTCGTTGATCGCG CTGTCTTTTCGATGAACAAATCGCGGCTGGGCACATAGGCTTCGGGCTGGTAATAGTCG TAGTAGGAGACGAAATATTCCACTGCGTTTTCGGGGAAAAATTCGCGCATTTCGGCGTAA AGCTGGGCGCAAGGGTTTTGTTGTGCGCCATGATGATGGCGGGGGGGCGGCCGCTTTGGGCG ATGACGTTCGCCATGGTGTAGGTTTTGCCCGAACCGGTTACGCCGAGCAGGGTTTGATAG GCAAGGCCGTCTGAAAGCCCTTCGAGCAGGCCTGCAATGGCGGTGGGCTGGTCGCCTGCG GGCGGGAAGGGTTGGTGGAGTTTGAAGGGGGAATTTGGGTATTGGATAACTTCCATAATC TTGCCTGTGATGCGTTTGCGGACAAAGCGTGCAGTAGGGATGGGTCGGAAACGTCTTTCA GACGGCATAAGGCGGTGAAATCCTGAATGTATGCCGTCTGAAACCCAATCGCTACCCAAG TATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATTTGTACTG TCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAAATGCCGCACGGTTC AAATTCCGGTAAAAAATCGCTCATAACCTGTCCTTTCAAACATAATATGCCGTCTGAAAT TGAAACCGGCTTTTTCGCCGCCAGCCCCAAAGACTTCTGCCACTGCTCGGGCGACTTGAC TAAATCCAAAGCTTTCCGCAACTGGTCGTCTTTGGCAGGGTTGGGAATCCGCCTTGAAGA CAAATCCTCGTCCTTTTTCTTTTTACCTTTTTTCTTTTACAGCGGGCTTATCCGCATCTTT TTCAAGCGGCACGGCAAGGGTTTCACCGTTCACATCCTCGCCGCCCAAGGGATTGCCGAT GTGTCCGACCAAATCCGCCTCGCGGCTTTCAAAAATGCGTTCCTTATCTTTACTTCGAC ATCGGGAACAATCCCCTGCGCCTGAATAGAACGGTCGTTCGGCGTATAATACAGTGCCGT TGTCAGCTTGACCGCGCTGCCGTTGGACAAAGGAATCAAAGTCTGAACCGAACCTTTGCC GAAGCTCTGCGTACCGACGATGACCGCGCGTTTATGATCCTGCAATGCACCTGCGACAAT CTCCGACGCGGAAGCCGAACCGGAATTGACCAATACCGTCATCGGTATGGTTTTCAACTC GGCAGGAATGCCCGCCAACGAATCGCCGCCCATCCCGTACACATAATCTTCAGGAATGGC TTTCAGTACCATGCGGTCTTTGCCGTCGCGTCCCTTGGTGCTGACGACGACTGCTTCAGA CGGCAGAAATGCCGCCGACACGCCGACCGCCCAGTCAAAAGCCCGCCGGGGTCGTCGCG CAAATCCAACACCAGCCCCTTGAGCGGTTTTCCTTTATTTTCCTTTACCAGCTCTTTTGC GGCGGTATTGACGCTTTCGACCGTCCGCTCTTGGAACTGCGACACGCGGATATAGCCGTA ATCGGGTTCGATCAGGTGATGGCGGACGCTTTTCACTTTAATAATGGCACGGGTCAGGTT GACGACTATCGGCTTGTCGGCATTTTTGCGCGACAGCGTCAAAGTAATCTTCGTACCCGG CTTGCCCCGCATTTTCTTCACCGCTTCGCTGACCGTCATGCCGCGTGTCGAAACATTATC GATTTTCACAATGAAATCGCCGCTTTTCACCCCCGCCCGTTCCGCAGGCGTGTCCTCAAT CGGCGAAACCACTTTGACAAATCCGTCTTCCTGCCCGATTTCCATCCCCAAGCCGCCAAA TTCGCCGCTGGTGGACTCCTTTATCTCGGCATAACCTTTTTTATCCATATATTCGGAATG CACCGGCAGGACTTCGTTATCCCGCCTGTCCTTCTCGGCGGCAAAACCCTGCACCGCCAG ACTGACGGCCACGCCGATTGCACCCAAAGTATAAAGTGCGATTTTCTTAAAAACAGG TTTCGACATTCTTTTAACTTTCTCTCTTGATTTCCAAAAACCGGAAAATACAGGTACG GCAAACGGCAAACTTCACGGAACAGCGCACCATATCGGCACGATTTGCATAAAGCCTACC GTTTCGGCAATCCGATCAACGTATCCAGCTCGAAGGGTTCAATACCTGACCTTGATAACG TATTTGCAGGTAAAGCCCCTCTTCCCCGTCCGGCAGCCGACCCGCTCGAGCCGATTTTGCT TCCTGCCGCGACCATATAACCCTTGCCGACGGAAATTTCGCTCAAACCGGCATAGATGCT GATGTAGTTCTCGCCGTGATCGACCACGACCACTTTGCCGTAGCCGTCCAACTCGTCCGC ATAGCTTACCGTTCCCGGCGCAATGCTTTCAACCGTTGCCGGTGCAGTGGAATAGAACAC GCCTTTCCAAATATCGCCGCCGCTCCGGTTCTGCCCGAAAAGTCCGGTCGGCACACCGTC AACCGGTTTTTTCAAACGTCCTTGCATGCGGCTGAAACCGTCGGCACTGCCGATACCCAT AACCGAAGGCGCTTGGATGTTCCTGTCTTCGGCGGTCAGGTTGGACATTTCCGCACGTCG TTCAGCCAATTTTCTTTTTGCTTCCGCATCCTGAATGCGGTGTTCGGCCTTTTTCTTCTC CAAATTGCTCAAGAGCTTGTTCAGCTGCTGCTCGTTCCCTTTCTGTTCCAGCAGTTTTCG GGCATCTTTGGCGATTTTGGCATTCTGTCTGCGGCTTTCCGTCTGTTCCGCCGCATCGGT TACACCCTGTTTTTCAGCAGAGATTGCACGTTTGCCTGAATTTTCTTCAAACGGGCAAG CTCATTGTTGATTTTCTGCTCTTGTACCGCCAAAGCCTTCTGCTGTTTTTCCAAATCCTT GACAACTTCCCGATTGGAGGCGTTTACATAACGCGTATAACGCAAAAAGCGGTTTTTCTG CCCCGATACGAAACGGGAAATCTGCGCTTTCGTAGCGGCGACTTCCGTTTTCAAACGGTT CAGCTCGGTATTGAGTTTTTGGAACTTGTCCCAAGCCTCGCGCTGTTTGCGGTTGACGGA AGCAAGGTTGCCGCGCCCTGACGGATACGCTCTTGGCGGATACGCTCTTCCTGAAGCTG GTTTTCGACATCATTGGTGGCAGCGGCAACGGCGGCTTTCAATTCGTCGGAATCGGTTTT GGCATTTTTCTCTTCCCTGTATTTTTTGTCCTGTTTCACTGCTTTTGCCGTTCTTGTCGGA ACGGACTTTTTATTTGCAGAAACAGTGTCTTTTTCCGCCTTGCCGCCCTTGCGCGGATT GCCCTGTCCTTTTGCCTCTTTTTTGCCTTGTTTTCAGGCTGTGTTTTTTCCGTTTTT - TTCTTTGGATCCGGACACGGGCTTGCCATGTGCCTTTTTGTGTTTCCGCCTTCGATTTCTT ATCCCCTTCGCGTCCTTTGCGCGCAGACTGCCTGGATGTCGCCTCCTTCTCTCTTTT GCGGTTTTTGGCGGTTTTTTTGGACTCTTTGCCCTCTTTTGCCGCCTCTTTTGCCGCCTGT CTGTTCTTTTTTGTTCTTCGTCTGTTTTTTCACTTCGGCGGAACGGTTGTGTGCCGCGTC GTGGGCGCAACGGCGGGGTGGAAAAACGAGCATCAGGGCAAGCAGAAGGGGTTTGTA GCGCATGGTTCGACCTTCGGAAAAGTTGGATAATACTGAAGGCTGCACGAAAGCAGCCG GACGTTTGGATTATACTGTCAGTTATGCCGTCTGAAAATGCCGTTTGCCCAATCTTGCGC CTTCTTTGCGCGGATACTTGCAATCGGCTCAAACAGCCTTATATTGTGCGTCATATTTTC AATGCCGCAACGGATATTGTGTTCCGACACACGGGTAGCACATTAAGCCGCATACCGTA GAAAACGGGGATTCAACCGATAAGGAAATTTTGATGAACAGACTGCTACTGCTGTCTGCC GCCGTCCTGCTGACTGCCTGCGGCAGCGGCGAAACCGATAAAATCGGACGGGCAAGTACC GTTTTCAACATACTGGGCAAAAACGACCGTATCGAAGTGGAAGGATTCGACGATCCCGAC GTTCAAGGGGTTGCCTGTTATATTTCGTATGCAAAAAAAGGCGGCTTGAAGGAAATGGTC AATTTGGAAGAGGACGCGTCCGACGCATCGGTTCGTGCGTTCAGACGGCATCTTCGATT TCTTTTGACGAAACCGCCGTGCGCAAACCGAAAGAAGTTTTCAAACACGGTGCGAGCTTC GCGTTCAAGAGCCGGCAGATTGTCCGTTATTACGACCCCAAACGCAAAACCTTCGCCTAT TTGGTGTACAGCGATAAAATCATCCAAGGCTCGCCGAAAAATTCCTTAAGCGCGGTTTCC TGTTTCGGCGGCGCATACCGCAAACCGATGGGGTGCAAGCCGATACTTCCGGCAACCTG CTTGCCGGCGCCTGCATGATTTCCAACCCGATAGAAAATCTCGACAAACGCTGATATGAA CCTCTCCAACCACTTTCTCATCGCCATGCCCGATATGGAAGACGCGTTTTTTTCACAATC GGTCGTCTATATCTGCAAACACGATGAAGACGGCGCACTCGGCATCGCCATCAACAAACC CTCTCCGATTACGATGGACATGATTTTTTCCGCCACCGGCAAAAACATCCCCATGCGGAT GCAGCACGACAGCGTGATGATGGGCGGTCCGGTGCAGGTCGAGCGCGGTTATGTCGTGCA TACCCCGATCGCCAACTGCCAAAGCAGTATCGGCGTTTCAGACAATATCGCGCTAACTTC TTCCCGAGACGTGATTGAAAATATTTCACGCGAAGGTGCGGTTGACAAAGCCTTGATCAG CATAGGCTATTCAAGCTGGAGCAAAGGGCAGCTCGAACGCGAACTTGCCGACAATGCGTG GCTGACTGTTCCCGCCGACGAACACATCCTGTTCGACATCCCCTACGAACACCGTTACGC CGCCGCATTCGCCAAACTCGGCATCGACCCGCTCGCCCTGTTTTCAGGAGCCGGCCATGC ATAAAATTCCAAAAGGAACGGCACTGGCATTCGACTTCGGCGAAGCGCGTATCGGCGTGG CACAAGGAGACGCGGAATTAGGGCTATCCCATCCTTTGAGCACCGTTACCGGCGGCAGCA ACGATGAAAAGTTCGCGGCAATCGCCAAGCTGGTTCAAGAATGGCAGCCGCGTTATTTTG TCGTCGGACTGCCCGTGCATACCGACGGCACGAAACATGAAATGACGCACCTGTCGCGCA AGTTCGGACGCAGGCTGAACGGCAGGTTCAATCTCCCCGTCTATTGGGTTGACGAACGGC TGTCGTCCGTCTATGCCGAAAGCCTGCTTTCGGAAGCACAGGTCTTCGGCAAAAAACGCA AATCGGTGCTCGACCAAGTGGCGGCGCAAGCCATCTTGCACGGTTTTTTCGAGGGCGGTC CGGCGGAATGTTTCAACGGGCGTGAGGGTTAAGCGGCGGGTTAACACCCTACCGTGAAA GAGGCGCGCACCAAGCCGTCCAGCTCCAATGCCAAATTGTCCCCCGCACCGATTGCGCCC ACGCCGGAGGCGTTCCGGTAAACACCAAATCCCCTTTCCCCAAACCGTAATCTGCCGCC **AGTTTGTGTAAAATTTCCCGAATCGGGTAAATCATCAAACCGGTATCCCCGCGCTGTTTC** GCCGCAAAATCCGACACGCACGCGGAATGCCTGAACCCTTTTGCCTTCAGCCAGGGCAGC CCTTTTTCCTTCAGACGCCATTGGATATCCCGTGCCGTAAGGTCCAGCCCTACACCATAT CCTGCGACACCCCAAAATATCTTTACCCTCGCCCGTGCCGTCTGAATCCTTACCGACC AGCAGCACGAGTTCGCACTCAAACTGCACATCCCTACTAAACTCGGGCAGCAAGATTGTA CCGCCGCTGTTCAAAATGCTGCCTGACGGCTTCATAAACACCACAGGTTCGGAAGGTATT TCGTTTTTTAACTCTTCGATATGTGCGGCATAGTTCCTGCCGATACAGAAAATATTGCCG ACCTCGACTGCCTCTCCTAAAAATACTGAAGCCACTTCACTTTCCCCCTAAGTAAAA ATGCCGTCTGAAATTATTTTCAGACGGCATTCGACCAAGCTTACGCATTTAATGAAGCTG TTACACGTGCAACAATTTCTCCGATTGCAACTGCCTGCGCTTCGTTGTCGCGGCGTTCGG CGTATTCGACATTGCCTTCTTTCAAGGCGCGGTCGCCGATGACGATGCGGTGCGGAATAC CCAACAGCTCGGAATCGTTCAGCAACACGCCTGCGCGTTCGTCGCGGTCGTCGAGGAGGA CGTCTGCGCCTGCCGCCAGCAATTCGGCATAGATTTTGTCGGCGGCTTCGCGTACGGTGT CTGATTTTTTGTAGTTCATCGGCACGATAACGACTTCAAACGGCGCCATTGCTTTGGTCC AGATGATGCCTTTTTCGTCGTTATTCTGCTCGATGGCGGCGGCAACGACGCGGGTGATGC CGATGCCGTAGCAGCCCATTTCCATAATTTGCGATTTGCCGTTGTTGTCAAGGAAGCTTA CGTTCATGGCTTGGGTGTATTTGTCGCGCAATTGGAAAACGTGTCCGACTTCAATGCCGC GCGCCAGTTTCAGACGGCCTTGCCCGTCGGGGCTTTCGTCGCCCTCGACGACGTTGCGCA AATCGACAAACTCAGGTTCGGCAGCGTCGCGGCCGAAATTGAAGCCGGTATAGTGGTAGT CGTCTTCGTTTGCGCCGATGACCCAGTCCGCGCCTTTTTCGGTAGCGAAATCGGCATAGA CTTTGCCTGCAAAACCGACAGGGCCGAGAGAGCCGCCGTTTGCGCCGAACTGTTCGACAA TCGCGGCAGGCTTGCCATCGTCAGCGGCGATTTCACGCCCGCGAGTTTCTCGGCTTTGA TGTCGTTAAATTCATGGTCGCCGCGTAACAGCAGCAGGATAAGTTCGCCTTCGTTTTCGC CTTCAACCACGATGGATTTCAGTGTTTTTTCAATCGGAATACTGAGGAAATCAACCAATG AATCAATGGTTTTGACGTTTGGCGTGTTGTACTTTGACGAGTTCTGCCTGAGCGGCTGCAC GTTCGCCTTTGAGCGGCAAGGTCGGCGCTAACTCGATATTGGCGGCGTAATCGGAAGTGT CGCTGTATGCAATCACATCTTCGCCGCTTTCCGCCAACACTTGAAACTCGTGCGAACCGG TACCGCCGATGCTGCCGGTATCCGCAGCAACGGGTCGGAACGCCAAGCCTAGTCGGGTAA AGATGCGGCAATAAGCATCATACATATCTTGATAGGTCGTCTGGAGCGAGGCATAGTCGG GGCGCACTTCGTCGCGGAATTTGGTTTGGATGTGGTAAAAGTTTTTCGGCAGCTGTTTGT AGCTGTTGATTTCTTTGCGCACGATGTCGGCGATGACTTCCTCGCAGGTCGGGCCCATGC AGAAATCGCGGTCGTGGCGGTCTTTCAGGCGCAGCAGTTCTTTACCGTAAAACTCCCAGC GGCCGGATTCCTGCCACAGCTCGGCAGGCTGCACCACCGGCATCAGCAACTCCACGCTGC CCGCGCGCGCCATTTCCTCGCGCACGACGTTTTCGACTTTGCGTAACACGCGCAGCCCCA TCGGCATCCAAGTATAAAGACCCGATGCGTTGGCCTTAATCAGGCCGGCGCGAATCATCA

GCTTGTGGCTGGCAAGCGCGGCTTCGGCAGGGGCTTCTTTTAAAGTAGAGATAAAGAATT GGCTGGCTTTCATAAAAGTATTTTTCCAAACAGGCAAATTCAAAAGTAAATCGGGTGCAG ATTGTAACGCGAAAAAAGCAGGTTTTGCACCAACCTCCAAAATTCACCCCCTGCCCCAAG CGCGGGACAAATCCCATAACAGACGGCAAAAACATGACCAGAAACATCATATTGAACATA AGCACATGATTTTTATAGATTTAAATGTGCCTATTTTTTAATCAAAATAAGCGTACATTT GTTGCGTAAGACTTTTTTAACACAAGCCGTGGCTTATCAACACGGTTATCCACAAAGCTT GTGTATAGATTTCTACAATAGGAAAATTGCCGACAGAGACATAATGATTCGATATACCA CAATTCCGAAAAAATATCGCCAAAATCAAACAGAATATTTCGAAATCAAAAAGACTTGAC CTTACCAAACGCCAACTTCAGTATAAAACCTGCTTTTACAGGCATGGTTATTTGCCAGCA GACCCGATTGCTGATAGGATTTCGTGTGGAGCAGATCGAACATTTTTTTCAAGTTTTCCC TTGTTTCCAAAACTTTTATAATTTTTTGAAAACATTAAACTTAAATTATTTTTTTCGGTT TGATTTAGAAATTTTCGTTTTTGCTTATTATTTTTCACAAACGAAAATAAAGGGGTTGGC ACACGATGTTGACCCTATCGAAACCCAAGAGTGGCTGGACGCGTTAAGCTCCGTCCTCGA ATATGAAGGCGGCGAACGCGCGCAATACCTCTTGGAAAACCTGGTCAAATACTGCCGCGA CAAGGGCGTACGTATGCCACACGGCACGACCACCCCGTATTTGAATACCGTTTCGGTTGA AAACGAAAAAGGCATTCCGGGCGACCAAAACATCGAACACCGCATCCGCGCATTCGTGCG CATCGCATCTTTCCAATCTGCCGCCACCATGTACGAAGTCGGTTTCAACCACTTTTGGAA AGCCAAAGGCGAAGGCGAAGAGGCGATTTGGTCTTCTTCCAAGGTCACGTCGCCCCGGG CATCTATGCACGCGCATTCGTCGAGGGCCGTCTGACCGAAGACCAGCTGAACAACTTCCG CCAAGAAGTGGACGGACACGGTCTGCCTTCCTATCCGCACCCCACCTCTTGCCCGACTT TTGGCAGTTCCCGACCGTATCCATGGGCTTGGGGCCCATCATGGCGATTTATCAGGCGCG TTTCCTGAAATACTTGGAATCGCGTGGTTTGGCAAAAACCAAAGGCCGTAAAGTATGGTG TTTCTGCGGCGACGGCGAAATGGACGAACCCGAATCTCAAGGTGCAATCGCACTGGCTGC ACGCGAAGGCTTGGACAACCTGATTTTCGTCATCAACTGCAATCTGCAACGCTTGGACGG TCCGGTACGCGCAACGCCAAAATCATCCAAGAATTGGAAGGCAACTTTGCCGGCGCCGG CTGGAATGTCGTCAAAGTCATTTGGGGCCGCCGCTGGGACCGCCTCTTGGCGAAAGACAA AGACGGTATCCTGCGCCAACGTATGGAAGAATGTTTGGACGGCGACTACCAAACTTACAA ATCCAAAGACGCGCGTATGTGCGCGAACACTTCTTCAATACGCCCGAACTGAAAGCATT GGTTGCCGATATGACCGATGAGCAACTCTGGGCATTGAACCGCGGCGGCCACGACCCGCA AAAAGTGTACAACGCCTACGACCGCGCGCGCGAACCATGCCGACGGCAAACCTACCGTCAT CTTGGCGAAAACCATTAAAGGTTACGGTATGGGCGCATCCGGCGAAGGTCAGAACGTTGC CCACCAAGCCAAAAAAATGGACAAAGCGTCCCTGAAACAATTCCGCGACCGCTTTGACAT TCCGGTTACCGACGAACAAATCGAAAGCGGCGATCTGCCTTACCTGACTTTTGCCCCCGA TACGGAAGAATACAAATACCTGCACGCACGCCGCGATGCTTTGGGCGGCTACCTGCCGCA ACGCAAACCGACGCAGGAAGTATTGGAAGTGCCCGAGCTGTCAGCATTCGACGCACAACT CAAATCCAGCGGTGAACGCGAGTTCTCGACCACGATGGCATTCGTCCGCATCCTGTCCAC TTTACTGAAAGACAAAAAAATCGGCAAACGCGTCGTACCTATCGTTCCCGACGAAAGCCG TACTTTCGGCATGGAAGGTATGTTCCGCCAATACGGTATTTGGAATCCGAAAGGTCAGCA ATATACCCCTCAAGACAAAGACCAACTGATGTTCTATAAAGAATCCGTTGACGGTCAAAT CTTGCAAGAAGGTATTAACGAACCGGGCGCGATGGCCGACTGGATTGCGGCTGCAACCAG CTACGCCAACAGCAACTTCGCCATGATTCCGTTCTACATTTACTATTCTATGTTCGGTTT GGGCGGTACTGCCGGCCGTACGACGCTGAACGGCGAAGGCCTGCAACACGAAGACGGCCA CAGCCACATCCAGGCCGACCTGATTCCGAACTGCGTATCTTATGACCCGACTTTCCAATA GTTCTACTACATCACCCTGATGAACGAGAACTACACCCATCCGGATATGCCCGAAGGTGC GGAACAAGACATCTTGAAAGGTATGTACCTGCTGAAAGCCGGCGGCAAAGGCGATAAGAA AGTTCAATTGATGGGCTCCGGTACCATCCTGCAAGAAGTCATTGCCGGTGCCGAGCTGCT GAAAGCCGACTTCGGCGTAGAAGCAGACATCTGGTCTTGCCCGTCCTTCAACCTGCTGCA CCGCGACGCTGTCGAGGTAGAACGCTTCAACCGCCTGCATCCGCTGGAAGCCGAAAAAGT ACCTTTCGTTACTTCCCAACTGCAAGGTCATGACGGTCCGGTTATTGCCGCTACCGACTA TATCCGCAGCTATGCTGACCGTATCCGCGCCTACATCCCGAACGACTACCACGTCTTGGG CACTGACGGTTTCGGCCGTTCCGACAGTCGCGCCAACCTGCGCCGCTTCTTTGAAGTGGA TCGCTACAACGTTGCCGTGGCCGCATTGGCCGCATTGGCGGAACAAGGCAAAGTCAGCAA AGAAACCGTTCAACAAGCCATTGAGAAATACGGCATCAAAGCCGATTCAGCTCCTAGCTG GARACGCTGATTGATGTTTCAGACGGCCTGTTTGCCCCATTCCGACATCAGGCCGTCTGA AAACCGAATGCCCGAATGGTTTGAGCAGACAAACCGTACCGATGCCGCCTGAAGCAGCTT TCAGACGGCATCCAATGAAAAAGATTAAAGGAACTCAAATGAGTATCGTAGAAATCAAAG TCCCCGATATCGGCGGTCACGAAAACGTCGACATCATCGCCGTAGAAGTTAAAGCGGGCG TGCCTGCCGATGCGGCCGGTGTCGTGAAAGAAGTAAAAGTCAAAGTCGGCGACAAAATCT CCGAAGGCGGCGTAATTCTGACCGTTGAAACCGGTGCCGCCGCCGCCGAAGCCGCCCCGG CTGCTGCCGAAGCACAACCTGCACCTGCTGCCGCACCCGCTGCCGCAGGCGGTGCAACCG TTCAAGTAGCCGTTCCCGATATCGGCGGCCATACCGATGTGGATGTAATCGCCGTTGAAA TCAAAGTGGGCGACACCGTTGCCGAAGACGACACGCTGATTACTTTGGAAACCGATAAAG CGACAATGGACGTACCTTGTACCGCTGCCGGTGTCGTTAAAGCCGTATTCTTAAAAGTCG GCGACAAAGTATCCGAAGGCTCTGCCATTATCGAAGTAGAAACCGTCGGCTCTGCCGCAG CAGCCCTGCTCAAGCCGCTCAAGCTGCCGCACCGGCTGCCGCCTCCGACTGCTG CCGCCGCACCCGCCGCCGCCTGCACCTTCTGCACCTGCCGCTGCCAAAATCGACGAGG CCGCTTTCGCCAAAGCACACGCCGGTCCTTCCGCACGCAAACTGGCGCGCGAATTGGGCG TGGATTTGGGCCAAGTCAAAGGCACCGGCTTGAAAGGCCGTATCATGGGCGACGACATCA CTTTGGGCGGCGTCTGGACTTACTGCCGTGGCCTAAAGTGGACTTCTCCAAATTCGGCA ATGTCGAAGTTAAAGAATTGTCCCGCATTAAGAAAATTTCCGGTCAAAACCTGTCCCGCA **ACTGGGTTGTGATTCCCCACGTTACCGTACACGAAGAAGCGGACATGACCGAGCTGGAAG** AATTCCGCAAACAGCTGAACAAAGAATGGGAACGCGAAGGCGTGAAACTGTCCCCGTTGG CGTTCATCA TCAAAGCCTCTGTTTCCGCGTTGAAAGCATTCCCCGAATTCAACGCCTCAC TGGACGGCGACAACCTGGTGCTGAAAAACTACTTCAACATCGGTTTCGCAGCCGATACGC CGAACGGCTTGGTTGTTCCCGTCATCAAAGACGTGGATCAAAAAGGCTTGAAACAAATCA GCCAAGAATTGACCGAATTGTCCAAAAAAGCCCGTGAAGGCAAGCTCAAACCGCAAGAAA TGCAAGGCGCGTGCTTTACCATTTCCAGCTTAGGCGGCATCGGCGGCACAGGCTTCACGC CAATTGTGAACGCTCCCGAAGTCGCCATCTTGGGCGTGTGCAAATCCCAAATCAAACCTG TTTGGAACGGCAAAGAGTTTGCCCCGCGCCTGATGTGCCCGTTGAGCCTGTCCTTCGACC ACCGTGTCATCGACGGTGCGGCCGGTATGCGCTTCACCGTATTCTTGGCGAAGCTGTTGA AAGACTTCCGCCGCATTACCTTATAAAATAAAACATCCCTCTCAAGCAGTCTGATAATGT TTGGATTGCTTGAGATTGATGAGTAATGGTGTTAAATTCAACCTTTAAATTAATAACTTA TGGGAAATTTCTTATATAGAGGCATTAGTTGCCAACAAGATGAGCAAAATAATGGACAGT TAAAACCTAAAGGTAATAAAGCTGAAGTTGCAATTCGTTATGATGGTAAGTTTAAATATG ATGGTAAAGCTACACATGGTCCAAGTGTGAAGAATGCAGTTTACGCCCATCAAATTGAAA CAGGTCTATATGACGGATGTTATATATCTACGACAACAGACAAGGAAATTGCCAAGAAAT TAACAATCAGAGCTGAAGATTGTGGCTGTATTCCTGAAGAAGTGATTATTGCTAAAGAGT TGATAGAAATTAACTAAGTTGAAAGGTCAATATAATGGCTTTAGTTGAATTGAAAGTGCC CGACATTGGCGGACACGAAAATGTAGATATTATCGCGGTTGAAGTAAACGTGGGCGACAC TATTGCTGTGGACGATACCCTGATTACTTTGGAAACCGATAAAGCGACTATGGACGTACC TGCTGAAGTTGCAGGCGTAGTCAAAGAAGTTAAAGTTAAAGTCGGCGACAAAATCTCTGA AGGTGGTTTGATTGTCGTCGTTGAAGCTGAAGGCACGCCAGCCGCTCCTAAAGCCGAAGC GGCTGCCGCCCCGGCGCAAGAAGCCCCTAAAGCTGCCGCTCCTGCTCCGCAAGCCGCGCA ATTCGGCGGTTCTGCCGATGCCGAGTACGACGTGGTCGTATTGGGTGGCGGTCCCGGCGG TTACTCCGCTGCATTTGCCGCTGCCGATGAAGGCTTGAAAGTCGCCATCGTCGAACGTTA CAAAACTTTGGGCGGCGTTTGCCTGAACGTCGGCTGTATCCCTTCCAAAGCCTTGTTGCA CAATGCCGCCGTTATCGACGAAGTGCGCCACTTGGCTGCCAACGGTATCAAATACCCCGA GCCGGAACTCGACATCGATATGCTTCGCGCCTACAAAGACGGCGTAGTTTCCCGCCTCAC GGGCGGTTTGGCAGGTATGGCGAAAAGCCGTAAAGTGGACGTTATCCAAGGCGACGGGCA ATTCTTAGATCCGCACCACTTGGAAGTGTCGCTGACTGCCGGCGACGCGTACGAACAGGC CCGCGTAACCAAACTGCCTTTCATTCCTGAAGATCCGCGCATCATCGATTCCAGCGGCGC ATTGGCTCTGAAAGAAGTACCGGGCAAACTGCTGATTATCGGCGGCGCATTATCGGCCT CGAGATGGGTACGGTTTACAGCACGCTGGGTTCGCGTTTGGATGTGGTTGAAATGATGGA CGGCCTGATGCAAGGCGCAGACCGCGATTTGGTAAAAGTATGGCAAAAACAAAACGAATA CCGTTTTGACAACATTATGGTCAACACCCAAAACCGTTGCAGTTGAGCCGAAAGAAGACGG CGTTTACGTTACCTTTGAAGGCGCGAACGCGCCTAAAGAGCCGCAACGCTACGATGCCGT **ATTGGTTGCCGCCGCCCCCCCCCCAACGGCAAACTCATCAGCGCGGAAAAAGCAGGCGT** CATCTACGCCATCGGCGACATCGTCGGTCAGCCGATGTTGGCGCACAAAGCCGTTCACGA CAAAGCCTCCGGCCGCAAAATCACCAAAGCCAACTTCCCGTGGGCGGCTTCCGGCCGTGC GATTGCCAACGGTTGCGACAACGGCTTTACCAAGCTGATTTTTGATGCCGAAACCGGCCG CATCATCGGCGGCGCATTGTCGGTCCGAACGGTGGCGATATGATCGGCGAAGTCTGCCT TGCCATCGAAATGGGCTGCGACGCGGCAGACATCGGCAAAACCATCCACCCGCACCCGAC CTTGGGCGAATCCATCGGTATGGCGGCGGAAGTGGCATTGGGTACTTGTACCGACCTGCC TCCGCAAAAGAAAAATAAATCCGACTGAATAAACAGCCGATAAGGTTTATTTGAGCAAA TGCCGTCTGAAATGTTCAGACGGCATTTTCTATTTTACAGCGGATTAAAATATCTTCTCC GACCTATAGTGGATTAACAAAAATCAGGACAAGGAGACGAAGCCGCAGACAGTACAAATA GTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAG GCGAGGCAACGCCGTACTGGTTTAAATTTAATCCACTATAAAAACGAATCCGACACGGCT TATCTAAAGGAATGGTTGAAAACGGCAGTTTCCAATACAACAAAATGCCGCCTGAACATT TCAGACGGCATTTGACCCATTACTGCTGCGGCTCTGAAACCATACCGCCTTCATCAAAAT CCGGCTCCGGTTCGTTTTGCAACGTTTTACCGTTCAATTTCAACTGATTGTTTTTCAGAG AAATGGCAGTATCAATCTGGTCGCCGTTCAAAGTCAGATATTTTTCCCTTGCCATACTCT GAACCGTACTGTCCACCATCAGGCGCAAGGTCTCGTTGATGTCGTCAAGACTTGCCCTGC CTTCCAGCATTTTTTGGGGAATACTCATTCTGATGTCGGCTTCGGTTTTCTTCAGCATCA AACCCAATTGATTCAAATCTTCCTTCTTCATGTCTTTAAACATGATTTTTCCGCCCACAT CGATTTTTCCCGATGCCAGCGTGAATCGGAAAGTTTTAATGTCCAATACGGGATTGTTGG TGAACAGTCCGGAAGCCTCTCTTTGACGGCGGCAATCAAATCATTGCGGATTTGTTCCT CGGTCATTTTTTGGCGGAAATTTGTGCAAACTTGCGTTTCAATACGGTTAAGGCAGAAG CATCGAGGTGTTCGGCAGCGATATGGATGTCCAGCGGGCCGTATTTTTCATCGCCGTACA CCAGTGTATCGAAACGGAACTGCCCTTCACTGTTGATAAACGCGCCTGATTCCCCGGTCT TGGTTGAAAAAGCCAGTTTGCCGACTTCGATTTTGGAAGGTGCGATGCTGCCGTTGGGAT TGATAAACGCGCCAATCTGCAAATCGGTAACAAGATTGACCAGTTCGTTTAACTTGACGT TGTAATCGACACCCTCTTTCCATTCTAGGGAGAATTTTTCCAAGGTCAGATTGCTGCTGC CCAAAGCAAGCGGATTGATGCCGTCTGAAGTTTCCGAATCGAAATGCACTTTTTCAAACG CGGCATCGCCTTTGTCTGCCAGCTTGATTTTAAACAAGGGGGCATCATAGCCGTTCCGGT AGCTTTTGAAACCTTTTTGATAAACCGTTTCTCCCGTCAGGCCTTCCCAGTGCAGCCTGA TGCCCGACAGCTCTTCATAATCGAAGGCGGGAACACTGACTTCCATTTTACCGCTGCCGT

TAAAATAAACGGTATTGGCAAGGGAAGCCGGGACTTGTTTTCCAAAAAAGCGTTCCAGAA CTTTTTCCGTTTCAGGCGCGTATTTGAACTCGGTTTCAATGTACGCCTGCGTGCCGAATC CGCCGGCGAAAGGGCCGTGCGTGATATGGTTAACCAGCGTAACCGGCTGTTCCAACACTG TTTTCAGGTTATCCGGCAGGTATTTTCGGGCATTATTCAGCAACTCGGGTTTCAGACGGA TGACCGTCGTTTCCATAGAGGTAAACCAGCCGCGCTCATATTGGTGCGATTCGACGGTCA AGAAGCCCGTTTCCTGCAATATTTTTTGCTGCTGCGTCAAGCTTTCTTCGGCTTTGACAC CCAAATAATAAGGCGTGCCCAAAGCAACGCCGAGCAATGCTGCCGCAACCGAAATCAAAG GTTTTTTCATCACTTCAAACAAGCAGGTTTCAAAGACGCTAGAATAGCATTATTTAAGCG TATCCCGCCATATCTCTTTAAAAGAAATGCCGTCTGAAACCTGTTCGGACGGCATTTTCC GGATATAGGGAAATCAGAAATCCAATTCCGCCTTCAGCCAGTAAGTGCGCGGCATACCGA CGACGGCGAAGCTGCGGTCGTATTGGCCGCGCTGTACCTGCCAATAGTTTTTGTTGAACA GGTTTTCCACCGAGCTGCTGACGGTCAGAGTGTTTTTGCCAAGCTTGGTTTTGTAGCGCG CGCCTACGTCAATCAAGGTATAGGACGGGAAGGCGTATTGTTTTTGCGTGTCTTGGTCAG ACTTGCCGAAATACGAAACATTACCGTTTAAAGTCAAGCCTTTGGCAAACGGTGTATCCC ATTCCAAACCTGCTTTGGCAATTACGCGCGGATTGGCGACTTGTACGCCGTTAACCAGCA TATCGCGTGAATTTGGATACTCTTTCACGGTCGATTGCAGATACATCAGACCCAAAGTCG GACGCAAAGTATTGTTGAGCAAGTTCGCGTAGGTGTTGAACTCAATACCGCGATTGCGTT CCATACCTTGCTCGTCGCCGCCGCCGCCCTTGCGCCTTATAGCGGGCGAAATCAGAAT TATTGCCATAGGTCAGCGTTGTTGTTACCCCTTTTGTTGTCTTGGTAGTTGTATGACCGC GCCAGTAGCCCGGGCGTTTGATTTGGAACGCGTTTAACGTGGTTACGAAATTGCCCCAGT TTTTACGCACGCCCACTTCAAACTGGCGGCTGACACGCGGTTTCGCCATTGTCGTTTCGC CGGAATCATCGGTTTTGATGTCGGCAGGCTCCAAGTCTTCCATATAGTTGCCGTACACAA CCAAATCAGGTTGCGGCACCCACGCCGCCATCAGCATCGGGCTGAAACGTTTGGCATCGC CGCTCTGTGATTTTTTGTCGGTATATTCGACTGTTTGGAAACGTCCGCCCAAAGTCAGGC GGTATTTGTTATCCACGAAGCCCAAGGTGTCGGACAAAGCCAGGCTGTTGACTTTGATAT TGGCATCCAAGTTGGCAGAGTTCTCCCAAGAATTGGGATAGTCGGCTGTAAACGATGCCA ATTGATGCTCAATATTTCCGTTTGCCTTCACTTCTACCTTGCTAGCTCCGGCTGCCGTTC CGCGTGATTTTTTTTTTTTTGGTGTATTCAACCGCTTGGAAACGTCCGCCCAAAGTCAGGA TTTTGCGTAGATGGAATCGAACGCTACGCGCAGTGTTTCGCCGCGATAGTCGGCATTTAC CGCAAATTCTTTGTTGTCTTCGCTGTAACCGTGGCGCGGGGTGTCGCCGTGGCGCAGTTT GCCGTTGGCGCGCACGCCGAATGCTTTGTTTTCGCCGAAACGTTGGCCCAAGTCGAACGT ACCTTGGGCGCGGTTGTTGCCGAACCGGGCCAAACCGATTTTGCGGTTGCCTTCATCAGC GGCTTTTTTGGTTTCGATATTGACGGAACCGGATACCGCGCCATCAGGGTTCATGCCGTT TACGGCGGTGGACGCGCTTGAATCAGTTGTGCGGAGCCGACTTGCACGCTGGTCGTGCC TTGCGTGCCGTACATACCTGTCAAACCGTTGACGCTGAATTGGCGCGCATCAAGCTGATA ACCTCTGAAATACAATCCGGTCAGCGTGTTGCTTTCGCCGCCGAACTGCCAAACGGAAGC GTCTTTTTCGCTACGGCATCCACCAAAGTACGCGCCTCGGTGTTGTTGAGGGCTTGTTC GTCGTAGTTGACGACGGTAATCGGCGCGGTAAAGGCGTTGGCTTTGCCCATTCACTTGGT GCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACACCGTACTGGTT TTTGTTAATCCACTATAAACAAATCGTACAGGGTTCTCCGTTTAATCAGATATGGGTTTC CATCTTCGGCAGTTTCGGGCATTTAGCCGTTTCCACCTTCCTGCCCCGCTGCCAGTAAA TCCCGGGAGCGGGCTGAAATTTAAACGTGTGCGGAAATGATTTTCAACATTTGCGCCAGC TCGGTTACGATACCGCCCGCTTCCTGAACAATCAATGCACCGGCGGCAATGTCCCACGGT TTGAGGTTAAACTCGAAAAAGCCGTCAAAACGTCCTGTTGCTACGGCGCACAAATCCAAA GAAGCCGCACCTTCACGACGGCCGCCGGCGGTTTTTGCCAAGAAATCTTTCAAAATCGCC AGATACTTGTCCATCATGCTTTGATCGACAACAGGGAAGCCGGTACCAATCAGGCAGCGG TTCAGTTCGATGCGGTTGGAAACGCGGATGCGGCGGTCGTTGAGCAACGCGCCTTTGCCA CGCGAAGCCATATATACGTCGTTGCGTTCGGGGGCGTAAACCAAAGCTTCTTGCAACACG CCTTTGTGCAGCAGCGCCATAGAGATGGCGTATTGGGGATGACCGTGAAGGAAATTGGTC GTGCCGTCGAGCGGATCGATAATCCATTCGTACTCGGCTGCGGCTTTGCCGTGGGAGCCG CTTTCTTCACAAGTGATTTTGTGGTGCGGATAGGCTTCTTTCAAAGCCTCAACCAGGATG ATTTCGGAATTGCGGTCAACATCGGAAACAAAATCGTTGAAGGCTTTGCTGTCGGTTTTG ACGGCATCGAGATTGCCCGCGGCGCGCTATCATCTGACCGGCACGGCGGGGGGGCGCTTTA AAGGCTGTATTCAAAAACGGATTCATCAGATTTCCTTAAGGGTGGCATACCGCCGGTTCG ANTCGGGTAAAATACCGCCTGACGCGTGTCTGCTTCAGGCGCAACGTTAAATTTCCGACG CCCTATTCCATTCCGACCGAAAACCGAACATGACTACTCTCAAACCCGCCCTGCCCGCTT ATCTGGACAACATCCGCATCATCCTCACGCGCCACCCAGCCATCCCGCCAACATCGGCTCTG CCGCGCGCGCGATGAAAACAATGGGTCTGCACAAACTGACCATCGTCGCCCCAAATCTGA TGGCAACGCCGATGACGGAAAACCCGCCCGTGTTTGACCCGGAGCATCCTCAATCGTTTA AATTACCGGAAGAAGCTTCATCCTCGCTTCCGGCGCGGCAGACGTTTTGGAAAATGCCA CCATTGCCGCTTCTTTGGACGAAGCCCTTGCCGACACCACCATCGCCTGCCCCTGACCA GCCGCCGCGAAATTACTGCGCCGCTGCAAACCCCGCGCGATTTGGTATCCGAATTAC TGCAGACCGCAAACCGAGGCGAGAAAGTGGCACTGGTTTTCGGCAACGAGACTTTCGGCT TGAGCATCGAAGAAGTCCAAGCCTGCAACCGACTGATGACCATCAACGGCAATCCCGACT ATTTCTCGCTCAACCTCGCCCAAGCCGTGCAGGTCGTGCTACGAAATCTTCAGCCAAA CCGGTTCGCCCATGACCCATCTTCAACAAGAAGACCACGCTGCGACCCACGAGCAAATCA **AAGGCATGGTCGCCCACATGGAAAGCGTGATGAACGACATCGGCTTTTTCAACCGCCGCA** ACGGCGAGCGTCTGATGCGCCGTATGCAGAGCCTGTTCGGCCGCCCAATACGCAAACCG **AAGACATCGATATCCTGCGCGGTTTTTTCAATACCGTCAGGCACCGTATCCATAAAAAAG** ACTGATTAAGGCCGTCTGAAAACATTTCCAGCTTTTCAGACGGCATGACTGATATTCGGA TAAGCATGAATTACGCCCTAGACGCATTATGGTGGAAACTTACCAGCCAACCCGTCCGCG **ACCTTGCCTCGCTGACTGCGCCGCCTTTGTGGCAAAGCGGCTGCGAATTGAGCGTGC** GAGAACTACTGGGAGAACACGGTTTCCGTTACCTTTTGGCATTGGATGCCGATCCCACGC GGCTGACGGATTACCTCGCCCAACGCGCCCCGTTCGGCCACCGTCTCGGCATTTATGCCG AAGAGCTGCTGGCTTTTTGGTTTGCCAATGCACCGCACGCCGAACTGCTCGCGCACAACC TCACGGTTTCCGGTTCGGACGGCAATACGCAAGGCGCGGCGGATTTTGTGGCAAGGCTTA ACGGCAAACCCTACCATATCGAGCTGACCTGCAAATATTACGGCGGCGACACGGACAGTC CCGAAGGGATGCGCGGATTCGACCCCAAAGACACGCTGTTGGGAAAAGCCGCCAAACTGA CCGCCCAACTCGGTCTGCCGCACACTTCAGACGGCATCCGGACCTTGCGGCAGCACGGTT TGCCGCTTAACGTAAAACCCGTTTCCATCGTGCGCGGCATCGGATTTTTTCCACACGGTT TCCATGCTTTTGAGCCACCGCTTAATCCATACGGTTGGCGCGGCATCTATATTCAAGATT GGGCGGAATACGGGTTTAAACGCCAAGAAGTCCGCTACCATCTGCTCGACCGTATGGCCT ACCTCGCGCCTGCGCGTGTCGCCGAAACCGAAACATTGAACGCAACCGAAATCCGCCGTA TCGACCAAGGCTTGATTGCCGTTTTGGAATGTCGGCCGGACGGCTTTTGGCACGAAATCG **AACGCATTATGAAGGCCGTCTGAAACCCTTTCCCAACATTAACGCGTATATCTATTGAGA** GGCTTAGTGATGGAAATCTCATTTCCCATACAATTTATGAAAGAGTCATCCGAGTTAATA **AGGATATTGGATATGATAAATATAACAACAACATGCCAACTAATATTATGACGATCCAAA** CAAATAAGTATGGTAATTTAATAACTACGACCCCAGGTAGAATACAATGAAGAATAATGT TAAAAATTGGACAACTAAAGAAGTCAAGCAATCATTAGATAAATTTAATAATATTTTAAT TAAAAATACTTTTCTTCAGTATCTGAAAAAAGAGTTTTCAGCTTCAAGTGCTTATTG TATTGATTTAGAATTTAATAAACATACAAATGAAACAGTTGTTATTAATGTTACTGATGT TGATGAATACTTGAAAACTTTAACCAATGAGAGTGGTAGAGTATTTTTTACATTAGCAAA **AGAAATCGGCAAACAGAAAAACATTTAACAAGAGCGAAATACAAATTAAAAACTCAATGG** CATGTTTTAGGGAGTGATTACAAAATGAAATCGCTGATGTGATTATATCGGATGCTGTTC **AAGCGACCTGAAAATAGAACTTTTTTCAGGCTGCCTTTGTAGTTAACGGAGAAATTTAGA** CAAATCCCGATTGCGCACTTTTAACACATCTTTCTTATTGCGGATAGAATACTAAGTAAT AGAACCCATTACATTATGAACGCCGCACAACTCGACCATACCGCCAAAGTTTTGGCTGAA ATGCTGACTTTCAAACAGCCTGCCGATGCCGTCCTCTCCGCCTATTTCCGCGAACACAAA AAGCTCGGCAGTCAAGATCGCCACGAAATCGCCGAAACCGCCTTTGCCGCGCTGCGCCAC TATCAAAAATCAGTACCGCCCTACGCCGTCCGCACGCGCAGCCGCGCAAAGCCGCTCTC GCCGCACTGGTTCTCGGCAGAAGCACCAACATCAGCCAAATCAAAGACCTGCTTGATGAA GAAGAAACAGCGTTCCTCGGCAATTTGAAAGCCCGTAAAACCGAGTTTTCAGACAGCCTG AATACCGCCGCAGAATTGCCGCAATGGCTGGTGGAACAACTGAAACAGCATTGGCGCGAA GAAGAAATCCTCGCTTTCGGCCGCAGCATCAACCAGCCTGCCCCGCTCGACATCCGCGTC AACACTTTGAAAGGCAAACGCGATAAAGTGCTGCCGCTGTTGCAAGCCGAAAGTGCCGAT GCAGAGGCAACGCCTTATTCGCCTTGGGGCATCCGCCTGAAAAACAAAATCGCGCTTAAC GCCTTATTGGTGGGCGCAAAACGAGGCGAAATCATTGTCGATTTCTGTGCCGGTGCCGGC GGTAAAACCTTGGCTGTCGGTGCGCAAATGGCGAACAAAGGCAGAATCTACGCCTTCGAT ATCGCCGAAAAACGCCTTGCCAACCTCAAACCGCGTATGACCCGCGCCGGACTGACCAAT GCCGACCGTGTGTTGGTGGACGCCCCTGCTCCGGTTTGGGCACTTTACGCCGCAATCCC GACCTCAAATACCGCCAATCCGCCGAAACCGTCGCCAACCTTTTGGAACAGCAACACAGC ATCCTCGATGCCGCCTCCAAACTGGTAAAACCGCAAGGACGTTTGGTGTACGCCACTTGC AGCATCCTGCCCGAAGAAAACGAGCTGCAAGTCGAACGTTTCCTGTCCGAACATCCCGAA TTTGAACCCGTCAACTGCGCCGAACTGCTTGCCGGTTTGAAAATCGATTTGGATACCGGC AAATACCTGCGCCTCAACTCCGCCCGACACCAAACCGACGGCTTCTTCGCCGCCGTATTG CAACGCAAATAAACCGGTTTGAACAAAATGCCGTCTGAACCCTTTTCAAAGCGTTCAGAC GGCATTTCATCAATTATAGTGGATTAACAAAAATCAGTACGGCGTTGCCTCGCCTTAGCT CAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTGTTTGT ACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATTTTTGGGAAT CTGTTTTACCCCAATATATAAAGCACCATATTAAGGCGGAGTGTCTTCCCCACTTTGACC CGAACCCGGAAAAGACACCGCCCAAGCCAATCCTGATGCTGCCCCGACAGCCAACCATTA AGGAAATCCTAATGAACTTTGCTTTATCCGTCATTATGTTGACCCTCGCCTCTTTCCTGC CCGTCCCGCCTGCCGGAGCCGCCGTCTTTACTTGGAAGGACGGCGGCGGCAACAGCTATT CGGATGTACCGAAACAGCTTCATCCCGACCAAAGCCAAATCTTAAACCTGCGGACGCGCC AAACCAAACCGGCGGTCAAACCCGCCCAAGCCGACGCAGGGAAGCGCACAGACGGCGCGG CACAGGAAAACAATCCCGACACTGCCGAGAAAAACCGGCAGCTTGAGGAAGAAAAGAAAA GAATTGCCGAAACCGAACGGCAGAACAAAGAAGAAAACTGCCGGATTTCAAAAATGAACC TGAAGGCGGTGGGAAATTCAAATGCAAAAAACAAGGATGATTTGATTCGGAAATACAATA ACGCCGTAAACAAATACTGCCGTTAATCGGCTCTAGCGCAAACCCGATGCCGTCTGAAGC GGCACGGGGTTTGTCATTTCTGCCAGTAGGTTTTGACGTTGACGAACTCGTACAGCCCGA CGCTGCTGGTATGGCGGTTGATAAACACCGATCCCGCCTGTATTTTTTCGGCAAACCGCC AAGCGCGTTCGGTATCGGCGGTATAAATGCAGGCACCGAGCCCGAACGGGGAATCATTGG CTTCTTCTCTCCAGACGCGGCAGGCAGGATTTACCCTGTCTAAAACCGTCGCGGGATAAA ACCAGCCTCGCCCTTGTGGGATTTTTCCGCCGGTCAGGCATACCGCGCCGTTTGAAACGG CATCTTCAACCTGCCCGTGAACCCTGTCCCGCAAATCTTCGCGGTGCAGCGGTGCAAGCG TAGTATCGGGATGTTTGGGGTCGCCCATTTTCAATTTAGCGCATTCGGCAAGAAACAGCG TGATAAAACGATCGGCTGCGGCTTCGGTTAGGATGATGCGCTTGGCGGCGTTACACGATT GCCCGCATCGCGGAAACGGGAATAACAGGCTTCTGCGGCGGCACGCTCCAAATCAGCAT

CGGGCATCACGATAAAGGCGTTGCTACCGCCGAGCTCCAACACGGTTTTCTTAAGGTTTG CGCCCGCGTGTGCCGCAAGGATGCGCCCCGTATGCGTTGAACCGGTAAACGCCATTGCAT CGGTATCTTCAACCGCCTTGAGCGTGCCCGCCTCATCCAGCCACACGCCTGCCAGAGGAA TGCCGTCTGAAGCCAAATCGAACAGTGCCTGACTGACGCGTGCCACGCTGGGCGCGGGTT TGACGGCGCACGCGTTGCCCGCGCACATAGCGGGAACGGCGAAACGCAATACCTGCCAGA CGGGATAGTTCCAAGGCATGACGGCAAACACCACGCCCAAAGGCTCGAAGCGCACCTGAC AATAGCGTATCAGTTCGATAGACTTGCCGATTTCCGCACGGCATTCGTGCAAGCAGCGTC CGACTTCCTCACACCCATTTCCGCAAAACGCTCTTTCTCCGCCTCCAAACGGTCGGCAA ATTTTTGCAGGCGCGCGCACGTTCGGTTACGCCCAGTTGCGCGAACGCCCCGCCGCAA GCGTTTCGCCCGTAAATACATTGACACTGTGAAACATCGAATCAACCTGCCAGTTGCGGG AATATCGTTTTCAGTCCCGACACAATAATCTCCACCGATACCGCCGCCAGCATCATACCC ATAATGCGGTTTAAAATCGTCAGCCCCGTCGCGCCCAGCAGGCGGCTGACCTTCCCGGCA ACGATTAAAATGGCATAACAAATCGCACTGACCACCAAACCGGCCGCGATAATCAACGCG ATGTCGCCGTATGTTTTAGCCGCCGAAGCGTAAATAATCACGGTCGAAATACCGCCCGGG CGCGCCTGCCCGTTTCCGGCTGCGCCGAGATTCTGCTTGGCGGGATTGTCGTTGCCG TTCATCATCGAAATGGCGATCAGCAGCACCAAAATCCCGCCGCCGACCTGAAACGAACCĠ ACGCTGATGCCCAAAACCTTCAGCAGCGTACCGCCGATCAGCGCAAATACCGCAATCACG GCAAACACGGCAACGGCGGCCGTCCGCGCGACCTTCCTGCGCTCCTTCGTGCTGTGCCCG TTGGTCAGGTCAAGGTAAAGCGACAACGCGCTAAACGGATTAATCAGCACCAAAAAAAGCC ACAATCAGCTTGCCGATTTCCATGCCCAATCCCATTATTTCCCCCTCCTTCAAACCCGTG CGGCAGGCATCCGATGCTGCAAATTGCCGCCGCAACGGATTTTTCCGTTATAATTAAAAA TTCAAGCAATACGCCCCATCATACCCGAACGACGGTATCTTTACCATCAGACAAGGATGC TTTTCATGGCACTGACACTTGCCGACGTAGACAAAATCGCCCGACTCTCCCGACTGCACC TGACTGCGGAAGAAAAAGAAAATCGCTTCAAGAATTAAACGACATTTTCACTATGGTCG AACAGATGCAAACCATTAACACAGACGGCATCGAACCGATGGCGCACCCGCACGAGGCCG GTGCTCCGGAAGTACGCAACCGTCTGTACATCGTACCGCAAGTTATCGAAGAATAATCCG AATATGCTTCAGACGGCATCAGCAATACCGCCCGAAGCCCTTTAAGGATGGAAGATTTAT GACCCAATACACATTGAAACAGGCAAGCGTCCTGTTGCAGTCCAAACAGATTTCCGCCGT CGAACTGGCAAGCGCATACCTTGCCGCCATCGCCGAAAAAAATCCCGCCCTCAACGGCTA TATCACCATCGACCAAGATAAAACCCTTGCAGAAGCCCGTGCCGCCGACGAACGTATCGC GCAGGGCAACGCCTCCGCGCTTACCGGCGTACCCGTCGCCTACAAGGATATTTTCTGCCA AACCGGCTGGCGCAGCGCGTGCGCTTCCAAAATGCTCGACAACTTCATCTCCCCCTACAC CGCCACCGTCGTCCAAAACCTGCTCGACGAAGGTATGGTAACGCTCGGCCGCACCAATAT GGATGAGTTCGCTATGGGTTCGACCAATGAAAACTCATTCTACGGTGCAGCCAAAAACCC ATGGAATCTTGAGCACGTCCCCGGCGGTTCGTCAGGCGGTTCCGCCGCCGTCGTTGCCGC GCGCCTCGCCCTGCCGCGCTCGGTTCGGACACCGGCGGCTCTATCCGCCAACCCGCATC GCACTGCGGCATTACCGGCATCAAACCCACATACGGCACGGTTTCCCGCTTCGGTATGGT CGCCTACGCCTCCAGCTTCGATCAAACCGGCCCGATGGCGCAAACTGCCGAAGACTGCGC GATTCTGTTAAACGCGATGGCAGGTTTCGACCCCAAAGACTCCACCAGCCTCGAGCGCGA AAAAGAAGACTACACCCGCGATTTGAACCAACCGCTCAAAGGTTTGAAAATCGGCCTGCC CAAAGAATATTTCGGCGAAGGCAACAGCGCCGATGTTCTGACGGCATTGCAAAACACCAT TGATTTGCTGAAAGCCCAAGGCGCGGAATTGATTGAAGTTTCCCTGCCGCAAACCAAGCT GTCCATCCCGCCTACTACGTCCTCGCCTCCGCAGAAGCCAGCACCAACCTTTCACGTTA CGACGGCGTACGTTACGGACACCGTGCCGCCCAATTCGCCGATTTGGAAGAAATGTACGG CAAAACCCGCGCGCAAGGTTTCGGCAGCGAAGTCAAACGCCGCATCATGATCGGCACTTA TGTACTGTCGCACGGCTACTACGATGCCTACTATCTCAAAGCCCAAAAACTGCGCCGCCT CGTTGCCGATGATTTTCAGACGGCATTTGCACGGTGCGACCTCATCCTCGCGCCGACCGC ACCCACTGCAGCCCCAAAAATCGGAGCGGATGCTTCGCCGGTTGAAACCTACTTGAGCGA TATCTACACCATCGCCGTCAACCTCGCCGGACTGCCCGCATTGACCCTGCCCGCAGGCTT CAGCGGCGGCGGACTGCCCGTCGGCGTTCAGCTTGTCGGCCAACTACTTCGCCGAAGCCAA AATCCTCGGTGCGGCGCATCAAATCCAACTCAACAGCGATTGGCACGGCAAACGACCCGA ATGAAGCAGAACCGCACCTTTACCTTCCCCGATTTTCGCACCGTTTACAGCTATGCGCCT TACGCCTTCGAGCAGTTTGTCAACGCATCCCCTATCCGTCAGGGGCTGTTCCTCCACTGC CCGCAAAATGCCTATCCGCTGCTGCGCGAATTTGTTGACAGGCGTTTTAACTGCAAACGC CGTTTAGATGCGATGACGGCAGATTTTCTCATGGCGGAAAAACTGTTCGGCACAGACATC CTGCACCAAATGGAAGACTACCGCTTCCATTTGGTCTTGGCGCACCTTTCAGACGGCATC AGCTTGTGGCTCAACCGCAACGACAACTGCGTCGAAGAAGGCGCGTGGTCTTTATCTTTG CGCGACGAAGCAGGCAACCGGCTGTATATGGCGACTTTCGCCTTTGTCGGCACACACCTG CTGACAGCCTCCGTACAAGGGCCGGCGGGTGAAGAAGCCAAAGACACCGTCCGCCGCATA ACCAAACAACTCCACGGCTTGCGTCCCCAACAACTGATGGTAACCGCCCTGCAATATTTC GCCGCCGTACTCGGCTTGGACGGCGCAATGGGCATTGCACAAAAACATCAGGTCAAACTG CGCTGGAAACTTAAAAAGCGCGTCAAAATGAATTACGACGCATTCTGGCAGGAATACGGC GCCGACATCGAAAGCAAAAAGCGTTCGATGTACCGCAAGCGTTATGAAATGCTGGACAAT ATGGTTGCAGAGATGAAAGACAGTCTGAAAACAGAAGCACGCGGCATTTCAGACGGCATC CAAACGGAAAAACCGCCCGGCCGGACAGCCTGACGCGAAGACTATCGAATTGATATTTTA GAGAAAGAAGCTCTTATGACCTGGGAAACCGTAATCGGCTTGGAAATCCACGTCCAATTG AACACCAAATCCAAAATCTTCAGCGGCGCATCGACCGCATTCGGCGCAGAACCCAACGCG CACGCCAGCGTAGTGGAATGCGCGCTGCCGGGCGTTTTGCCTGTGATGAACCGTGAAGTC TTCGACCGCAAAAACTACTTCTATCCCGACTTACCAAAAGGTTATCAAATCAGCCAGTTG GACTTACCGATTGTCGAACACGGCAAATTGGAAATCGTAGTCGGCGACGATGTGAAAACC ATCAACGTAACCCGTGCGCACATGGAAGAAGACGCAGGCAAGTCCGTGCATGAAGGCTTG AACGGCGCAACCGGTATCGACCTGAACCGCGCCGGCACGCCGCTGTTGGAAGTGGTATCC GAACCTGAAATGCGTTCCGCCGCGAAGCCGTTGCCTACGCCAAGGCCTTGCACAGCTTG GTAACCTGGCTGGACATTTGCGACGCAATATGGCGGAAGGCTCGTTCCGCGTCGATGCC CTCAATTCCTTCCGTTTCTTGGAGCAGGCGATTAATTACGAAGCGGAAGCGCAAATCGAG ATTTTGGAAGACGGCGCAAAGTACAGCAGCAACCATGCTGTTTGATCCCGAAAAAGGC GAAACCCGCGTAATGCGCCTGAAAGAAGATGCGCACGACTACCGCTACTTCCCCGACCCT GATTTGCTGCCCGTTATCATTTCAGACGCCCAAATGCAAAAAGCCAAAGCAGAAATGCCC GAGCTGCCGAAAGAAATGGCAGCGCGTTTCGTGGCGGATTACGGCGTGTCCGAATACGAC GCGCGCCTGCTGACCGCAAGCCGTGCGCAGGCTGCCTATTTTGAAGAAGCCGCCAAAGAA AGCGGACAAGGCAAGCTGACTGCCAACTGGATGAACGGCGAACTTGCCGCCGCGCTGAAC AAAGAAGGCATGGAACTTGCCGACAGCCCGATTACCGCCCCGCGCCTCGCCGCGCTGGTT GGCAAAATCGCCGACGGCACATTAAGCAGCAAGTTAGCGAAAAAAGCCTTTGAAGCCATG TGGGCAGAACCCGAAGCCACCATTGCCGAAATCATTGAAAAACACGGTTTGCAACAGATG ACCGACACCGGCGAGATTGAAGCCATGGTGGACGAAGTGCTGGCAAACAACGCCAAAGCC **GTGGAACAGTTTAAATCCGGCAACGAAAAAGCCCTGAATGCGATTGTGGGACAAGTGATG AAGGCCAGCAAAGGCAAAGCCAACCCCGCGCAGGTTCAAGAGCTGATTAAAGCCAAACTG** GCTTAATCCGTTATCACACAGGTCGTCTGAAAGCAAAGTTCCAACGAAGGTAAAACAGGA **AATAAGCTTTCAGACGGCCTTTTATAGTGGATTAAATTTAAACCAGTACGGCGTTGCCTC** GCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTAAATTTAA TCCACTATAACTTAATCTGCTCAAACCATACCAAGACATGAACCACACCGTTACCCTGCC CGACCAAACCACCTTTGCCGCCAACGACGGCGAAACCGTTTTGACCGCTGCCGCCCGTCA AAACCTCAACCTGCCCCATTCCTGCAAAAGCGGTGTCTGCGGACAATGCAAAGCCGAACT GGTCAGCGGCGATATTCAAATGGGCGGACACTCGGAACAGGCTTTATCCGAAGCAGAAAA AGCGCAAGGCAAGATTTTGATGTGCTGCACCACTGCGCAAAGCGATATCAACATCAACAT TATTTTCAAACACGATGTCGCCCTCCTGAAACTTGCCCTGCCCAAAGCCCCGCCGTTTGC CTTCTACGCCGGGCAATACATTGATTTACTGCTGCCGGGCAACGTCAGCCGCAGCTACTC CATCGCCAATTTACCCGACCAAGAAGGCATTTTGGAACTGCACATCCGCAGGCACGAAAA CGGTGTCTGCTCGGAAATGATTTTCGGCAGCGAACCCAAAGTCAAAGAAAAAGGCATCGT CCGCGTTAAAGGCCCGCTCGGTTCGTTTACCTTGCAGGAAGACAGCGGCAAACCCGTCAT CCTGCTGGCAACCGGCACAGGCTACGCCCCCATCCGCAGCATCCTGCTCGACCTTATCCG-CCAAGGCAGCAACCGCGCCGTCCATTTCTACTGGGGCGCGCGTCATCAGGATGATTTGTA TGCCCTCGAAGAAGCACAAGGGTTGGCATGCCGTCTGAAAAACGCCTGCTTCACCCCCGT ATTGTCCCGCCCGGAGAGGGCTGGCAGGGAAGAAATGGTCACGTACAAGACATCGCGGC ACAAGACCACCCGACCTGTCGGAATACGAAGTATTTGCCTGCGGTTCTCCGGCCATGAC CGAACAAACAAAGAATCTGTTTGTGCAACAGCATAAGCTGCCGGAAAACTTGTTTTTCTC CGACGCATTCACGCCGTCCGCATCATAATTCCCCGGTATAAAGAGGATTCGAGCTTTCCG TTCAGAACACAAAAACTTCCCGTCCGTGTTTTCCCCGTGAAAAAATGCCGTCTGAAACC CGATTCCGGTTTTCAGACGCCATATGTTTTTTCCTGTTCAAGGCGACAGCCGCTCGCGTA TCCAGCCACCATCCAGCAAACGGTATTGGATGCGGTCGTGCAGCCTGCTCGGTCTGCCCT GCCAGAACTCAAGCAAATCGGGAATCACAATATAGCCGCCCCAATGCGGCGGACGCGGCA CATGCAGAGGATGTTTGAGTCCAACCGCCGCCGCCTTTGCCACCAATACCGCCTTGTTCG GAATAACCTCGCTCTGCGCACTTGCCCACGCACCCAAACGGCTCTGATACGGGCGACTCT CAAAATATTCGTCCGACAACTTCTCCGCCAGCCTTTCAACACGCCCTTCCACGCGCACCT GACGCTCCAGCTCCGGCCAAAAAAACGTCATCGCCGCAAATGGATGAGCATCCAGCGAAC GCAGCACCATACGGCTGTTGGGCCTGCCGCGTCCGTCAACCGCCGCCACATTGACCGCCG TCGGCTCGTTGACCTGTGCGCGTACCGCCTCGTCCAACCACCGCTCGAACTGCTCGATCG GATTATCGGCGCAATCGGCTTCCGACAATTCCCGTTTGCTGTAATCTTCCCGAATATTGT TTTCAACCGTCGCACAAACTTTGCCCCGACCCCAAGCCGCAGCGACGATTTCATCCGCAA AACCGCCGCATCAGGTACAATATCGAACCGTCCGACCGAGGACGGCATTTTATCAACCCG TCCTGCCGCACACGCCGCAGAAGAACCGCCTTATCAGGCGAGTTAGGAAAAATGATGTCC GCCAAACCGTTCAAAAGCAAAGCCCGTCCCAAAGATGAAACGGGCAAAACCGCTTCCCAA CCTTACGGACAAAAAGCTTCAGACGGCATCAAACCTCAAAACGTCCCCAAACAGCGCGCC GCCAAAGCCAAAAAACTCGTCGTCGCCAATCCCAACCAAAAAATTATGGAACACGCGCGC GATTTGAAAGAACGCCGCAGCGACCTGTCGCGCATGGAACCCCGAACGCCTGCAAAAAGTG CTTGCCGCGTCCGGCTCGCGCCGCGAAATGGAAGAATGGATTACCAACGGCTGG ATAACGGTCAACGGCAAAACCGCGCAACTGGGCGACAAAGTTACCCCCGACGACCACGTT ACCGTCAAAGGCAGCATCATCAAGCTCAAATGGGCGGACCGCCTGCCGCGCATCATCCTG TATTACAAACAAGAAGGCGAAATCGTTTCCCGTGACGACCCGCAAGGCCGCGTCAGCATA TTCGACCGCCTGCCGCAGCCGCCAGCAGCCGCTGGGTCGCCATCGGACGCTTGGACATC ${\tt AACACCAGCGGACTTCTGATTCTTACCACCTCCGGCGAACTCGTCCAACGTTTCGCCCAC}$ CAAATGCGCGTCCTCACCGAAGAAGGCGTGATGCTCGAAGACGGCTTGGCAAAAGTCGAA CGCATCCGCGAACAAGGCGCGAAGGCGCGAACAAATGGTACAACGTCGTGATTAAAGAA GGCCGCAACCGCGAAGTGCGCCGCATTTTTGAAAGCCAAGGACTCACCGTCAGCCGCCTC GTGCGCATCGGCTTCGGTCCCATCGGACTGCCCAACCGCCTCAAACGCGGGCAGTTCTAC GAACTCAACCCCGCCGAAGTCGCCAACATCATCAAATGGGCGGACATGCTGCTGCCGGGC GAACGCCGCCGCAAAAAAGCCTAAACCCGCCAAAACACAAAAATGCCGTCTGAAACATCT

GCTGTTTCAGACGGCATTTTATTCGGGCGTTTTCAGGAGAAAAGGTCGAGTGCTTTGACA AAGACCATCACCACGCCGTAGGCGAGCGGTATGACGGCCAATGCCCAACGCCACCAGACC GATATGCCGCCGCAAACTTTTTCGCCCACAAGGTAAGCGTCGGATATGGCGGTTTCG TCATCGGGGTTGCCGCTGTGTGCGGCGGTTTTGATGTCTTTTTCGTGGTGTTTTTCGTGT ACGGATTTGACGGCGAGGTTGCACAACAAACCGATAATCAGCAGGCACGCCATGATGTAC ATGGTTACGCTGTATGCCTGTGCCGCCGGTATGCCGCTGTCGATTTGGCTTTTGCCGTATG TAATTGACCAGTACCGGGCCGATGACGGCGGCGGTTGACCAGGCAGCAGGATGCGTCCG TGAATCGCGCCGACCTGATAGGTGCCGAACAGGTCTTTCAGGTAGGCGGGAATGGCGGCA AATCCGCCGCCGTACATGGAAATAATCACGCAAAAGCCGATGATGAACAGGGCTTTGCTG CCGCCTCGCCGATGGAGGGAACGGCGAAATACAGCAGCGAACCGAGTACGAAGAAGATG GTGTAGGTGTTTTTGCGTCCGATTTTGTCGGAAACGCTCGACCACAAAAAGCGTCCGCCC ATGTTAAACAGGCTCAGGAGGCTGACGAAGCCTGCCGCCGCACCTGCGCCGACTGCTGCC TGCCTGCCTATGGAGGTTTCGGAAAAGAGTTCCTGAATCATCACGGATGCCTGACCCAAT ACGCCGATGCCGGCAGTTACGTTCAGGCACAATACCCAGAACAACAGCCAAAACTGCGGC GTTTTCATGGCTTGGGACACGTTGACATGATTGCTGCTGACCAGCTTGTTTTGCGTTTTC GGCGCGGTATAGCCTTCAGGTTTCCAGCCGTCGGCAGGTACGCGGATGGTAAACGCGCCG **AACATCATCAGTGCGAGGTAAAGCAGACCCAATACGGCGAAGGTTTCGGCAACCCCGACC** GAAGCAGCGTTTGAAAAGGTGTTCATCAGTGATACGGAAAGCGGCGAGGCCAGCATTGCG CCGCCACCGAAACCCATAATCGCCAAACCGGTCGCCATACCCGGCTTGTCGGGAAACCAT TTCATCAGTGTGGAAACCGGCCCGATGTAGCCCAAACCCAAGCCTACGCCGCCGATGACG AAGCCCAGGCTGAAGCAGCAGGCGGCGCAAATATGGCTTTGCGCGGCCCTACCCGTTCC ATCCACGTACCGAACAGGGCGGCCGACGCCCCAGCATCGCGAGTGCGATACTGAAAATC CAACCTACGGTCGTCAGCTTCCAATCTCCGGCCGCCGATTCGGTTATGCCGATAAGTTTG GTCAGCGGCGCGTTGAATACGGAATAGGCGTAAATCTGCCCGATGGCAAGGTGTACCGCC AATGCTGCGGGCGGTACGAGCCAACGGTTGAAACCCGGCTTGGCAATGCTTGCCTCACGG TCTAAAAACTTCATAACATCCTCTTTCTGTCAGTTGAAAAATAAAATTTCATTTGCCCAA TGGAAACTTATTGAAAATTATAAAAAAATATCGGGTCGGGTTTTTATCCGCCCCAAGATG CGCCGTCTGAAACATTTCGGGTGTACGGAAAGGTTTCTGTTTTTTCCGACAAATTCCTGC GGCTTTTCGCTTCCGGATTCCCGCTTTTTCAGGAATGACGAATTAAAGATTATCTTAAGG TTGGGTTTAAATGCAATCGAACAAATCCTGCTGCCCTTGTTCTTTGCTTACGCGCACGTC GGTTTCGCCGTCGGCGAAGATAATGTGCAGCTTCTGCCCCTGCTTCAAAACATCGGCGTT GCGGATGACTTGTCCGCGTGTTTTTTGACGACGGAAAAGCCGCGCTCCAGAATGTGCTG CGGCGAAACGGCTTCGAGCAATGCGGCTTGGGCAGTCAGGCTTTGGCGGCGGTGGGTAAG GGAAACATCAGGACGGCAATGTTTCAGGGCTTGGGTTTGGCGTTCGAAACGGGCGGTGTG GGTACGGACGTTTTGCGTCATCGAGTAAGACAGCGTTTGCGCCAGCTTGCCGATTGAAGC TTGGCTGGCATCGAAATAGCGTTGTTCCAAAACGGTTTTCAGACGGCATTGGGCTTGGGC GAGGCGGTGCAGCGATTCTTGGCGGTTGGGGCTGACCAGTTCCGCCGCACCGGTCGGCGT GGGCGCGCATATCGGCGACGAAATCGGCGAGCGTGAAATCGGTTTCGTGGCCTACGCC GCTGACGACCGGAACCGTGCAGGATTCGATGGCGCGCACGACCGGTTCTTCGTTAAACGC CCACAAGTCTTCAATGCTGCCGCCGCCGCGACAGACAATCAACACATCGCATTCGGCGCG TGTCGGATAAACGATAACGGGGATTTCGGGTGCGCGGCGTTTCAAGGTAGTAACGACATC AGGTTTCTTGCGTTCCGCCGCAAACGCGCCTTCCGCCTGCAACTGCGCCTTCAACCGCTC ATAGGCTTCGTAAAGCTGCCCCAAACCTTTGAGCCGTACTTCGTTTACGGTAATCTGAAA TTCGCCCCGCGCTTCATAAATACTGATTTTTCCTGATACCTCGATATGGTCGCCTTCTTT CAAAGGCTTCGCCAAACGCACCGCCGCACCCTTGAACATCGCGCAACGCACCTGTGCGCG GCTGTCTTTGAGCGAGAAATAATAATGCCCGCTGGCGGCACGGGTCAGGTTGGATACTTC GCCGGCAATCCACAAACCGGCAAGGTGGTTTTCCAAAAGACTTTTGGCAAATGCGTTCAA AAAAATATGAATATGTTTTGAAGCCTAAGGCGGCACCGGGCCGCCTAAATTGTCAACAAT ATTATAACACGCGCCATCTTGCCGCCCGCCTTTTCCCGTATGACTTTTTTAAGCGGGGAA TGGGAAAAATATTCATCAACCTGCCTGCAATCTATTCAAATTGCACCGCCGGCAGGCTAT CCGATGGTTGGACGAATACGCCGCCCGGGCAAATGCAAAAGGGTTTGTCGTGGGCGTTTC GCTTCTGGATATGCCGATACGCCAACACCCCGGCCAGCTTGAGCGGGCAAGGCTGCACAT CCGCAATCTGCAACGGCAATATGCCAATGTAAGCGCGCAAACGGTCGATCTGACCGACAC CTTCCAGACCTTTGAACAAACCGTCGGTGCTCATCAGACGGCATTTGACAGTCAGCCGCT TTCCCTCGCCAACGCCAGAAGCCGCCTACGTATGCTGACCCTGTACTACTACGGGCAGAT ACACGGACTGCTGGTTACGGGGACAGGTAATAAGATTGAAGATTTCGGCGTGGGCTTTTT TACTAAATACGGCGACGGCGGGGGACATCAGCCCGATTGCCGACCTGACCAAAACGCA GGTTTACCGGCTTGCCGAAGCATTGGGCGTGGACGAGGCGATTCAAAAAGCCCCGCCGAC CGACGGCCTGTGGGATACGGAACGCACCGACGAAGAACAGATGGGCGCAAGCTATCCCGA ACTGGAGTGGGCAATGGGCGTGTACGGCACGCGCAAACCCGAAGATTTTGAAGGGCGGCA GCGCGAAGTTCTAGAAATCTATACGCGACTTCACCGCGCCATGCAGCACAAAATCAACCC GATTCCCGTATGCCGCATTCCGCCCGAATTGCTGGGCTGAAACACGGAAATGCCGTCTGA AACGGAAAACCGTATTTCAGACGGCATGGAAATATCCGACTCCTATCCCTTAAGAATCGA GTACGCGGGCAAACAAATATCGTTTTCCAAATGAATGTGGTCGTTCAAATCCTCCACCA TTTCTTTCGCCAGCGCGTAAAGCCGCGTCCAGCTTCCGCAAGCCCCTTCTGGCGGTTGGA AATTGTCGGTCAGCTCTTTGAGCCGTGCGATGGCGCGGTCGTGTTCTTCGTGTTCGTGCA

TCATCACGCCGATGGGCATCGCCGCACCGCGTCCGACACCCTGATTAATCATCGGAAACA CGGCAATTTCCGCCGGAAAGGTGTCGGCATGAACTTGGGCCACTTTTTGCGCCAGCGGCA CCAATTCTTCAAATTGTGCACGGTGGACATTGTGGTAGCGTTGCAGGATATGATCGACGG TTGCACCAAAGGGGGGGGTCTCCCAAACGGAAAAATCAGTCATCGCAGTGTTCCTTTTAC AGGGTTTCGGGTTTGGTTTTGAACATTCATACTTTAAGAATCAATTCAAACGGAGCATAC ACCGCCGCGCGCTTCTGTACAGCCTCAAACGTATTCCTTACATTTTGATAATAAAGTA ATTTTCAGAAATAAAATACTGTCCGAACCGTTTTTTAGAATTTGCAAAGGCGATTGGGGC GGTACAGAAAAACTATTATCCCGCCCGCCCACTTGAAATTTTTATGCCCAAGCCCTATCC ACACACCAGCGATGCCGCTTTTGAAAAAGACGTTTTAAATGCAGATATCCCCGTCCTGCT **GGACTTTTGGGCTCCGTGGTGCGGCCCCTGCAAAATGATTGCCCCGATTTTGGACGACAT** TGCCGCCGAATTTGAAGGCCGTCTGAAAGTGGTCAAAATCAACATCGACGACGACGAAGC CACCCGTCCCGTTTCGGCGTGCGCGGCATTCCGACCCTGATGGTGTTCAAAAACGGCGA AGTCGTCGCCACCAAAGTCGGCGCATTGGCAAAAGGTCAGCTGACCGCCTTTGTCGAAGC CTCTATCGCCTGATAAAGCGCAATCGAAAAAGCCGCCGGAAGATTCCGGCGGCTTTTTCG TCGGGAACGGATTGTTTGGAAATGTCTTTGACGGCGTATTGTTCCGATACCAAGTCGTCT AAGACGAAGCTGCGCAGGTTGTTGGAAAAGTACAAAATGCCGTCTGAAGCGAGCAGCTTC ACCGCGCCGTCAATCAGCTTTTTGTGGTCGCGCTGGATGTCGAGGATGTCGGACATTTTC TATGCCGTCTGAAGATATTGGAACACGTCGGCGCGGACGATTTTGTGTCGTTCCGTATCG ATGCCGTTCAATTCAAAATTGCGTTTCGCCCAATCAAGATATGTGTTGGACAAATCGACG GTTTCGCTGGATGCCGCCGCCGGTGGCGGCATAGACGGTGAAGCTGCCGGTGTAGGAA AACAGGTTTAAAAAACGTTTGCCCGCCGCCGTTTCGCCCGACTTTTTTGCGCGTGTTTCGA TGATCCAAAAAAAGCCCCGTATCCAAATACTTATCAAGGTTGACCCAAAACTTGCGGCCG TTTTCGGTGATGACGAAATCGTCGCCCGCCTTGCCGGTTTTCTCGTACTGCTGCAAACCT TTTTGGCGTTCGCGGCGTTTGAGGCGGATTTGTTCGGGCGCAAAACCGGTAACGAAAGCG GTATCGTATTCCTGAAGGTGGATTCGATCGCCGTAAACATCGGCGGCAAAGGGGAATTGG GGGATGTCGCGGTCGTAAATGCGCCAGGCTTCGATGCCGTTGCGTTTCGCCCATTTCATA AGGTGTTTGATGTTTTTGCCCAAGCGGTTGGCAAACGGTGTGATGTCGGTCATTGGTTTC AGGCGGAATAAAGTGGAAAACGGCAATTTTACTGTAATTAACGCCCGATTGCTTGACCGT TTCGGGCAAACCCTATACCATCCGTCGCTTATCTTGTCATACGAAGCCATCGCCTTCCAA CCTAAACCGCCCTTACGGGCGCGTTTCTTCTGTTGCTTTGATTTTGCAAAGCATATCTGT GCAGGTTGCCGTCGATGTAAACCACAAGCAAGCCGCTTGCGACAACCCTGTAACTTCACA TTCCCCGTATCGTTACCCTTCCCTGCTTCAGGCCGTCTGAACCTTTCGGACGCGGGCGTT **GTTGTCTTCCAAGGATAGCCATGTCTATTAAATTTGCCGATTTGAACCTTGATAAAAACA** TTTTGTCCGCCGTCAGCAGCGAGGGTTACGAAAGCCCGACGCCGATTCAGGCGCAAGCCA TTCCGTTTGCTTTGGAAGGCCGCGACATCATGGCTTCGGCGCAAACCGGCTCCGGCAAAA CCGCCGCCTTTCTGTTACCGACTTTGCAAAAACTGACCAAACGCAGCGAAAAACCGGGCA AAGGCCCGCGTGCTTTGGTGTTGACCCCGACCCGCGAACTGGCGGCTCAAGTCGAGAAAA ACGCGCTGGCGTATGCCAAAAATATGCGTTGGTTCCGCACCGTCAGCATCGTCGGCGGCG CGTCTTTCGGCTACCAAACCCGTGCCCTGAGCAAACCGGTCGATCTGATTGTCGCCACGC CGGGCCGTCTGATGGACCTGATGCAAAGCGGCAAAGTTGATTTTGAACGTTTGGAAGTGC TGATTTTGGACGAAGCCGACCGTATGTTGGATATGGGCTTTATCGACGACATCGAAACCA TCGTGGAAGCAACGCCGAGCGACCGTCAGACTTTGTTGTTCTCCGCCACTTGGGACGGCG CGGTCGGCAAACTGGCGCGCAAACTGACCAAAGACCCTGAAATCATCGAAGTCGAACGCG TGGÁCGATCAAGGCAAAATCGAAGAACAACTGCTGTACTGCGACGATATGCGCCACAAAA ACCGCCTGCTCGATCATATCTTGCGCGATGCCAATATCGATCAATGCGTGATTTTCACGT CCACCAAAGCCATGACCGAAGTCATTGCGGATGAACTGTACGAAAAAGGTTTCGCCGCAA ACTGCCTGCACGCGATATGCCGCAAGGCTGGCGCAACCGCACGCTGATGGATTTGCGTA **AAGGCCGCTGCAAAATTTTGGTTGCCACCGATGTTGCCGCACGCGGTATCGACGTACCGA** CCATTACCCACGTTATCAACTACGACCTGCCGAAACAGGCGGAAGACTACGTCCACCGCA TCGGGCGCACCGGCCGCACGCCACGGGTATTGCGATTACGTTTGCCGAAGTGAACG **AATACGTCAAAGTCCACAAAATCGAAAAATACATTAACCGAAAACTGCCCGAACTGACCA** TCGAAGGCATGGAACCGACCCGCAAACGCAAATCCGCAGGCGGCAAGCCGAAAGGCAAAG GCGGCTGGGGCGATCGTAAATCCGGCGGTTGGCGCGGCGATCATAAACCGAGCAAAGAAG TCAAAAAAACCGGCGAAGGCTTCAAAGGCAAACGCAAAGCCGGCGATTCTTTTGCAGGCA AAGGCGAACGCCGTTACAAAGACCGCTAAGCCCCAACCTGCCGCATAAACCAATGCCGTC TGAAACCGATTTCGAGTTTCAGACGCCATTTTTGCAATGTTTCAGCACCGCCCGGCTTTG ATACCCAAAGGATTAGGCTGTAATAAAAACCCTTTTCCGCTTTGGCAACGATTGAAAATT TCCGTAAATTCAAATATCTAGATTCCTTCCTGCACGGGAATGACACGGAAGGGTTTCAGA TGCAGGGTGGGCATTCCTGCCCACCCAATCCCGCCCTTGCAACGGTGGGCAAGAATGCTC GCCCTACGGCTTGACTGTTCGATATGATGCCGTCTGAAAACCCAACGGCGCATGACAAT GCCACCTGCCAACGCACGTAAATCAGAATTGCCATCCCGACATCAAACGCTTGGAAACA AAATGCCGTCTGAAAATCAAACGGCAACATAACAATGTCCCTAACAAATGCAAAAATGCC GTCTGAAAGCTCTTCAGACGGCATTGGCGCGCGGGTTTACCGCCTCCTGCCGAAACCGC GCATAGCGGGCGGCGGTAATTGGCGGGCGGCGCGTTGTCGGGCGGTAACGCTGCGCCT GCGCCGCCTGTTGTTTTGCACGGAGGCTGCGCGCGTGTTCAAATCCCTGCTGGTGCGCGCAT TGGGGCGTGCGGACTGATGGTAGGCTGCACGCGCGCCGGGCGACGGGACTGTCTTGGT TGCCTGCCCGTGTGAATTTGTTTGCCAGCGCGTTGCCGATAAACGCGCCTGCCGCCGCGC CGACCAGGCTTTGCAGCAGCCAGCTTCCTGTCGATTGGTCGTAAATATACTGCTGCCCGT CTTTACCGGTAACGGGTTGCCCGTTGTTGCCGTTTGCCTGTGCTTCGGCAGGAATGGTGT

GTTGCAGGGCTTCAATCTGTTTCTGCTGCTGTTCGAGCCGCGCCTGCGTGTCGTCTTGGC AGGCGGCGAGTGCGAATGTTGCGATAAGCGCGGAGGCGATGATTTTTTCATGTGTCCC TGTTTGGGTGGAAAATCGGTTTTATTGTATCGCCGTCGGGAATTTTGGCAAGCATTCTGC CGGCAAATCGTGATGTTTACAGGGGCAGGGTGTGCAATTTGCGGACAAATGCGAGGCTGT TGGCGACTGGGTTGCCTTTGTTTTCGACTTCGTGTTCGGTTTCTACGGTCAGCAGGCGGC GGTTTTTGTGTTTGTTCAGGCTCAATTCGGCTTGTGCGGGTGTGAAAAACAGGCGGTGTT TTTCGGCAAAGCGGCGGCGGCGGCTGTTGGGGGTTTTCAAAATCTGAAGCAGCGATaCGT CCAGATGGAAGCGTCGCACGCCCAATACGAGAATCCGTGCGGCAAAAAAATCGGCGGCAT CGGTAAACTCGGCGGGCTGCTGCGGCTGAAGTCGTGCCGTTCGGCGGCTATCAGGGCGG CGAGAAGCATGGGGGAAAAATCCTGTGCATCATCGACAATAATGCTACAAGTGTGCAGGG TTTCGTTTTGTGCGGCGGTTTGGGGCATTGCATTCATGGTCATTTTCCTGATTCTGTCGT GTGTTGCCGAATCGGGCGACCTGTGTGAAGGTAACAAAAAAGCCGCCCCGTTTTCGAGCG GCCTGTTTTGCGTATGGGATGGATTTCAAGCAAGCGCAAAAAAGTACCGCACGTCTGTGT GGTACCAATAGCAATAAGCGGTTGTAAATTTTTTGCCTTGCATGATGAAATGCCGTCTGA AGATAAAAATATTGGGGAGATTCTAAATCAAAACGCTGCCGCGCCTCAAGCATTTTATCG AAATTTTTTTGATTTTTCATCTATCCGATTGAAAATATTTCGGTTTATTTTTACCGCTGC CCGATATTGTCGGCAATTTCCCTTTATCTGCTTTGAAAAACGGTGCATAATCCCGAGCAA AACCGCAATCAGGAGCAATTATGCAAAACTATCTGACCCCCAATTTCGCCTTTGCCCCGA TGATTCCCGAACGCGCTTCAGGCAGCCGCGTTTGGGATACGAAAGGGCGTGAATATATTG ATTTTTCAGGCGGTATCGCCGTCAATGCGCTGGGACACTGCCACCCTGCCCTTGTCGATG CTTTAAACGCGCAGATGCACAAGCTGTGGCACATTTCCAATATCTATACGACGCGTCCAG CGCAGGAATTGGCGCAAAAATTGGTTGCAAACAGTTTTGCCGACAAGGTTTTTTCTGCA **ACTCGGGCTCGGAAGCGAATGAGGCGGCGTTGAAGCTGGCGAGGAAATACGCCCGCGACC** TGTTTACCGTGTCCGTCGGCGGTCAGCCGAAATACAGCAAGGATTATGCACCCCTGCCGC **AAGGCATTACGCACGTTCCGTTCAACGATATTGCCGCGCTGGAAGCTGCCGTCGGCGAAC** AGACCTGCGCGGTCATCATCGAGCCGATACAGGGCGAAAGCGGCATCCTGCCCGCCACTG CGGAATATTTGCAAACCGCGCCGTCTGTGCGACCGGCACAATGCGTTGTTGATTTTGG ACGAAGTTCAAACCGGGATGGGGCATACGGGCAGGCTGTTTGCCTATGAACATTACGGCA TTGTTCCCGATATTTTGAGTTCGGCAAAAGCCTTGGGCTGCGGCTTTCCGATCGGCGCGA GCGGCAACCCGATGGCGTGGGGTCGGCAGCCGCGCATTCGACATCATAACGCCCG AAACTTTAAACCATGTCCGTGAACAGGGGCAGAAACTTCAGACGGCATTGCTGGATTTGT GCAGGAAAACGGGCTTGTTCTCACAAGTTCGCGGGATGGGGCTGCTACTCGGCTGCGTGT TGGACGAAGCCTATCGCGGACGCGCATCCGAAATCACCGCCGCCCTTGAAACACGGCG TGATGATTTTGGTTGCGGGTGCGGACGTATTGCGTTTCGCGCCTTCGCTACTGTTGAACG **ATGAGGATATGGCGGAAGGTTTGCGACGTTTGGAACACGCGCTGACGGAATTTGCCGCGA** CATCAGACAATCCGTAAAACTCAAATGCCGTCTGAAGGCGGGAAGGCTTCAGACGGCATC CAGGACTCGAACACCAATTCCGGTTCCCTGCCCTCTTCGATGACTGCCTTACCGACCACC ACGATGGACCTCAGGCCGCGCGCGCGCTTTTGCGTTCCATTGCCTGACGCGCGATGGAA CGCAATGCGCCTTCTTCAAACTCCAGTTCGACATTTTCCATACCGAACAACGCCTGATAC TGCTTGACCAAAGCATTTTTCGGCTCGGTCAAAATATTAATCAGCGCGTCTTCGTCCAAT TCTTCTAAAGTTGCAATCACAGGCAAACGTCCGATTAATTCTGGAATCAGACCGAATTTA ATCAAGTCTTCCGGTTCGACGATGCCGAACAGCTTGGTAATGTCGGCATTTTCGTCCTTG CTGTGAACGGACGCACCGAAACCGATACCGCCTTTTTCAGTACGCTGGCGGATGACTTTT TCCAAGCCTGCAAACGCGCCGCCGCAGATAAACAGGATGTTGGTGGTATCGACGTTGATA **AATTCCTGATTCGGATGCTTGCGGCCGCCTTGGGGCGGAACGCTGGCCACTGTACCTTCA ATCAGTTTCAACAAGGCTTGTTGCACACCTTCGCCGGATACGTCGCGGGTAATCGACGG** TTGTCGCTTTTGCGTGAAATTTTATCGATTTCGTCGATATAGACAATGCCGCGCTGGGCT TTTTCGACATCGAAATCACATTTGCCCAAAAGCTTGGTAATGATTTGCTCGACGTCTTCG CCGACATAACCTGCTTCAGTCAAAGTTGTGGCATCCGCCATCACGAACGGCACATCCAGT TTGCGCGCCAAAGATTGCGCCAGCAGGGTTTTACCCGATCCGGTCGGGCCGATAAGCAGG ATGTTGGATTTCGACAATTCGACATTAGCTCCTGCTTTAGGATGGCGCAGGCGTTTGTAA TGGTTGTACACCGACACCGCCAAGGCTTTCTTGGCTTGTTCCTGACCGATAACGTGGTCG TTGAGGTTGGCGACGATTTCGGCGGGCGTGGGCAGCTTGCCGGATTCTTCCGGCTCCCCT CCGGCACTTTCCGAAGGCGTGCCGTCATTTCCGTCTTCATGCAATATTTCAATACAGTTT GAGACGCATTCGTCACAGATAAAGGCGTTTTCGCCCTCAATTAAATGTTTGACGTGTGAT TATGCGTTACAGAAAACGGCACGTGCCGTTCGGGTTGCCAAGTATAATAACTATATCCGT TCTTATCAATGTATTACCTTAAAATCCCGCCGATTAGGCTATAATACGCCCTTTCGCAAC CGCCCGGCGGCAAAAATGCCGTCTGAAACCAAATCTGAAATCTGAGGATATTCATGAGA AAACCCCAACGCGGCTATGCCCGCCAAGACCGTGTCAAAGAACAAATTATGCGCGAGCTT GTCGAAGTTACCCGCGATTACAGCCACGCCACCGTGTTCTACACCATTTTAAACCAAGAC GCCAAACGCATCAAGCTGTTCAAAACGCCCGAACTGCATTTCAAATACGACGAATCTTTG GAACGCGGTTTGAACCTGTCCGCCCTTATCGACCAAGTAGCGGCGGAAAAACCGGTTGAA GACTGACGGATATGCCCATGCCGTCCGAACATCGAACCATGAATACAGGCAAACCCCAAA AACGTGCCGTCAACGGTGTTTTGCTCTTGGACAAACCCGAAGGCCTTTCCAGCAACACCG -CGCTGCAAAAAGCGCGGCGTTTGTTTCATGCCGAAAAAGCCGGACATACCGGCGTGCTCG ACCCTTTGGCAACCGGACTTTTGCCCGTCTGCTTCGGTGAAGCGACCAAGTTCGCCCAAT ACCTGCTGGATGCCGACAAAGCCTACACCGCCACGCTGAAACTCGGCGAAGCCAGCAGCA CGGGTGATGCCGAAGGCGAAATCATTGCCACCGCCCGCGCGATATTTCCTTAGCCGAAT TTCAGACGGCCTGCCAAGCACTGACAGGCAACATCCGCCAAGTGCCGCCAATGTTTTCCG CGCTCAAGCACGAAGGCAAACCGCTGTACGAATACGCCCGCAAAGGCATCGTCATCGAAC GCAAAGCGCGCTACATTACCGTTTACGCCATCGATATTGCCGAATTTGACGCGCCCCAAAG CCGTCATCGACGTACGTTGCAGCAAAGGCACCTACATCCGCACCCTCAGCGAAGACATCG CCAAACACATCGGCACGTTCGCCCACCTGACCGCCCTGCGCCGCACTGAAACCGCCGGCT TTACCATCGCCCAAAGCCACACGCTTGAGGCCTTGGCAAATTTGAACGAAACAGAACGCG ACAGCTTGCTGCTACCCTGCGACGTATTGGTTTCACACTTTCCCCAAACCGTTTTAAACG ATTATGCCGTCCATATGCTCCACTGCGGACAACGTCCGCGTTTCGAAGAAGACCTGCCTT CCGACACGCCGGTACGCGTTTACACGGAAAACGGCCGCTTTGTCGGTCTGGCGGAATATC AAAAAGAAATATGCCGTCTGAAAGCCTTGCGCCTGATGAACACGGCGGCATCCGCCGCCT GAACGGCGGTTAAAAATACAGGCTGTGCTTGAATAATGTGTTGATATTTCCGCAAAATCC CGACACTCGGACACCCGCCCCGCTTATCGCAACTTTGCGAACGCCCCCGGAAACAGCA **AAGACATCAAATAATTGATTTTATTAGAATCTATTTGCAAAGCCATTTGCCGTTACACAA** TAGCCAAAAACATCCTGTTGGATTTGGTGGAAAAAACCGACCCGACCATTATCGGTTTGT TATTGAGTAATGATGAGTTAAAACGCCATTTCTTTGTGGAAGTGAATGGTGTGCTGGTGT TTAAATTGCAGGATTTCCGTTTTTTCTTGGACAAACACAGCGTCAATAATTCCTACACAA **AATACGCCAACCGCATTGGTTTGACGGACAGCAACCGCTTTTTGAAAGACAGCAGTGATA** TTGTGTTGGATTTTCCGTTTAAAGATTGTGTGTTAAATGGCGGACAAAGCACCGAGGAAG **AAATTAACCCGAAAAAGACAAGAAATCTTTTTTAATCAAACCCTTGCTTTTGATGAAATT** GATCGGCTTTTTGACGCAAAAGCATTCTCAAAATTCTCTCGCTATACCGCAGACGGCAAA CAAGCCGTTGGCGAAATCAAACGACATTCAGACGGCACACCCGCCGAAAATCTCATTATC AAAGGCAATAATCTGATTGCCCTGCATTCGCTTGCCAAGCAGTTTAAAGGCAAAGTGAAG CTGATTTATATTGACCCGCCATATAACACGGGTAATGACGGTTTTAAATACAACGACAAA TTTAATCATTCCACTTGGCTGACTTTTATGAAAAACCGTCTAGAAATCGCCAAAGAGCTG CTTATGAAAGACGGTTCGATTTTTGTGTCAATTGACGACAACGAACAGGCATATTTGAAA **ATTTTAATGGATGAAGTTTTCGGAAATGAAAATTTCATCTGCAATTTTATTTGGGAAAAA** AAGACAGGTGCGTCCGATGCCAAACAGATAGCGACTATTACAGAGTTTGTCTTATGTTAC TCAAAGAACTTTAAAACAGTTAAATTAAATAAAAACACGTTTTCTTATGATACAGAGAGA TACAAATTAAGTGATAAGTTTGAACAGGAAAGAGGCAAATATTATATCGACAATTTAGAT AGAGGGGGATTGCAGTATAGTGACAGTTTGAATTTTGCAATCCAATGTCCAGATGGCACT TTTACGTATCCGAATGGCAGGACTGAATTTGTCAATGATGGCTGGATATGGAAATGGAGT AAAAATAAAATTGATTGGGCAATAACAAACGGTTTTTTGGAGTTTAGAAAATCAAAGTCT CCGATAGAACGTTCTGCTCCCTATAAGAACTTAATACAGGATATCTTAAATACACATGCG ACAGATGAATTGAAAAAACTGTTCGGCAGCAAAGTTTTTACTACTCCAAAACCTGAGAGC TTATTGCAGTATCTTATTCAAATTGCCACATCCGAATCCGACATCGTCTTAGACTACCAT CTTGGTAGTGGCACAACCGCCGCCGTTGCCCACAAAATGAACCGCCAATATATCGGTATT GAACTTGCCCCATTTAACGAAACCGCAAAACAACAAATTTTGGCTTGCGAAGATTCAGAC GGCATCAAAACGCTGTTTGAAGGTTTATGCGAACGCTATTTCTTGAAATACAACGTCAGC GTAAATGAATTTAGTCAAATCATTCAAGAGCCTGAATTTCAATCTTTGCCATTAGACGAA **ATGGATGACGAACAATTTGCAGATTGCCTGAACGATGATGATAAAGCCTTAAGCCGTGCA** TTCTATCAATCAGTAAAAAATCAAGCGGAGAAAAAAGATGGCGAATAATAAAACGTTGTT TGAAGTGATTGAAAATGAACGTAAAGCGGTTAAAAAATACAAGCCTGAATTACTTGAAAT GCCAGAATTTACGTCCAAAAACTTAAAATATGATTTTTTTGAATGGCAAAAATCTGCCCT TGAAAACTTTTTGATTTTTGACCGCACTTCAAAGCTAGACGATTTCCCTGATTTAAAAAA TAAGCCAACGCATTTGCTGTTCAATATGGCAACAGGTGCTGGCAAAACGATGATGATGGC GGCGTTGATTTTGTATTATTTTGAAAAAGGTTATCGGCATTTTCTGTTTTTTTGTGAATCA ATTTACCGAGAAGATTTTGCAGGGCGATACGGTAATTCCTATTCGCAAAGTGGAGACATT TAGCCCACATTCAGACGGCATTGAAATTAAATTTACCAGCATTCAAAAGCTGTATAACGA TATTCGCACCCGGCGGAAAATCAAACCACATTGGCGGATTTGCACAAATTGAACCTTGT GATGCTGGGTGATGAAGCGCACCATTTAAACGCGCAAACCAAAGGCAAAAAACAAGGCGA ATTAGATTTAGAAAAGGAAATGAACGACCGCACCAGCAATGCCGAAATTGAACGTAAAGG CTGGGAGCATATGGTTTTGGAATTGTTACTCAATAAAAATGGCAATCATAGCCAAAATGT GCTGTTGGAATTTACCGCCACGCTGCCTGAAAATGCCGATGTACAACAAAAATACGCTGA TAAAATCATCACAAAATTTGGCTTAAAAGAATTTTTGCAAAAAGGTTATACCAAAGAAAT CAATTTGGTATCCAGTACGCTGGGTAAGAAGAGCGAGTGTTACACGCTTTATTGTTTGC TTGGTATCGACATCGAATTGCGTTGAAATATGGCATTGCCAATTTCAAGCCTGTGATGTT GTTTAGAAGTAAGACGATTGATGAATCAAAAGCGGATTATCTGGCATTTTTAAATTGGGC AGAAAATGTGCAGGCGGTTGATTTTTCGTTTTTAACTACATTTTCAACAAGCTTGAACGA TAGCGATAGCGATAACGCCAACGAACAAGGCCAAAAACCCCGCACTGAACAAGCCCTAAAATT TATGCAGGAAAAAGGCGTTGAGTTTGCACATTTGGCAGATTGGGTAAAACAAAATTATCA AAAACACAATGTGATTATTACCAACTCCGAAACCAACAAAACCAAAACCGAAAAAACCGA CAGCGAAACAGAAAAATTGCTGAATAATTTGGAAGCGGCTGATAATCCGATTCGTGCCAT TTTGTATGAAGGGCAAAACGGCGGCGGTTCAAATAAAAATCAGGCAAAACGGCTGCCGC

AGGTAAACAGCCGAATAAACGCAAATTTGACAACGATATGCGAACACGAATTGCGTATTTT GGAAGAATTGTTTTATTACACGCACGATGAGCAATCTCGCTATATTACAGAACTGAAAAA CGAGTTACGAAAAGACGGTTATTTGCCTGAAAAAGACGATGATAAGGTATTGGCAACATT TAAACTCAAATCTGAATTTGCCGATAATCAGGATTTTTAGAGAGTTGTTAATTTGGGCAAA TAAAAAAATCCCCAATCCCAATGCCAGAGCCAATAATGCAGACAGCCTGAAAGCCAATCC GCAAACGCTTCCATTCCAAGTTCACGGCAATCAACTGTTGCAGGAAACGCAATTTACAGC CGATGAAAATGATGAAATAGCCCGACAAATCGACACACAAAATAATTTTACTCAAATCAT AAAAATGAGTGAAATGGAACGGCACATTTTCAATAAATCCCTGCATATCAAAGGAAAAAA TGGTCAATCTTTATTCCATTTTGACCGCTTGCAAAGCAAACTCAACATTTACAATCGCAA TGAATTGCAAAATAACTTGTTAAAAGATTGACAAATTGAATTTTTGGGATTAGGGCAAGA CAAACAGATCAGCCCAGATGACAAACTTGCAGGCTGCCTAAAAATCTTGGAAATGGTTGA AAAACATTTGAATGAAAGTGATATGCCATTTATCGGTACAAAAGAATTTACGCCTAAAAA **ATTGTGGGAAATTTTTGGCACACCAAAACAAAAATGGGTCAAAAAAGATGATATAAAAAC** TGCCATTGCCACGCAAAATGATTGGTATGTGATGGATAATTTTGCTGGAACGAGTTTGGA AGAAGCGTTAATTCAATTTATTTCAGAGCATTTGGGCGATTTGAAGTCTAAATATGATGT TCATTTAATCCGTAATGAAGAAGTGTTTAAATTGAATAACTTTTCCGATGGTGAAGGATT TATGCCGGACTTTATTTATTGCTGAAAAATAAACAAAAATCTTCTTCCAATGGTGTGGA TGACTTTTTGCATTACCAAATTTTCATTGAACCAAAAGGTGAGCATTTGGTGGAAAATGA TTCGTGGAAAGACGCTTTTTTAAAGGCAATTACAGCGGAATACGGGACGGATAAGATTCT GCAAAAAGATACACCGCATTATCGTTTGATCGGTTTGCCGTTTTTTACTGACAATCAGGA **AAATGAACAATTTACAAAGTCATTCCCTTTAGGGGCGGCATCGCTTGAAAAATAGAGTGG** TGCATTGCAGGCAACCCCGTTTGACAAAACTTCCTTTACAAAAGGGCGTTTTGTCAGATA TTTAATCAACACATTATTAAAATACAGCCAAATTTTAATGCCGTCCGAACCCTGTGTTCA GACGGCATCGTATTTTCAGTATCTAAACCGTTTCCCTGCCCCAATCTTTGCCTCTCAAA ATCGAAGCATCGACATCTTGAATATCGCGGTGTCCCGTAAACGCCATAGATATATCCATT TCTTTATACAGGATTTCCAGCGCACGGGTTACGCCTTCTTCTCCATACGCGCCCAAGCCA TACAGGAACGCCCGACCTATCATTGTACCTTTCGCGCCCCAAAGCCCACGCCTTCAAAATA TCCTGACCGCTGCGGATGCCGCTGTCCATCCAAACTTCGATGTCGCTGCCCACTGCGCTG ACGATGTCGGGCAAGGCTTTGATGGCAGACACGGTATCGTCGAGCTGTCGACCGCCGTGG TTGGAAACAATCAATGCGTCCGCGCCGCTTTTCGCTGCTTTTTCCGCGTCTTCAGGTTCC ATAATGCCTTTGATAATCAGCTTGCCGCCCCACAAATCTTTAATGCGCGCCACATCGTCC CAGCTCAGGCGCGGGTCGAATTGTTCGGAAGTCCATGAAGACAGCGAAGACAAATCGCCG ACGTTCTTCGCGTGTCCGACGATATTGCGGAACGTGCGGCGTTCCGTGTTCAGCATTTTC ATACACCATTCGGGCTTGGTCGCCAGATTGATTAAATTGGCGATGGTCGGTTTCGGCGGC GCGGACAGGCCGTTTTTGATGTCTTTGTGGCGTTGCCCCAAAACCTGCAAATCAGCGGTC AATACCAATGCCGAACATTTGGCATCCTTCGCGCGCTTAATCAGGTTTTCCATAAACTCG CGGTCGCGCATCACATAAAGCTGAAACCAAAATGGTGCGGAAGTGTTCTCGGCAACGTCT TCAATCGAGCAGATAGACATCGTGGACAGCGTAAACGGAATGCCGAACTTCTCCGCCGCC CGCGCCGCCAAAATTTCACCGTCGGCGTGTGCCATACCCGTGAAACCCGTCGGCGCAATC GCCACCGGCATTTTCACATCCTGCCCGATCATTTTGGTTTCCAGGCTTCGGCCTTCCATA TTGACCAATACTTTTTGACGGAAGCGGATGTCTTTGAAATCCGAAGTGTTTTCACGGTAG GTAGTTTCTGTCCACGAACCCGAATCGATGTAATCGTAAAACATACGCGGCATTTTGCGC TTGGCAACGCGGCGCAAGTCTTCGATGCAGGTCATTTTGCTCAAATCACGTTTCATTTGT CGCCCCTGAATACCTGAATAACTTTATATGAAATCGATAATGTATATCAATATTGATTA TAAGGCAAATCATTTCAACATTTGCCGCATCCGCCGCAGCTCCCTACTTTAAGCGACATA AGGTTTAAAATTCAAAAATAACAAATTAAAATCAAAATATTAAAAATCAATCAATCTATC GATTTAAACAGCCAATCACACAATCCGCCCTCATACTTGACTGAAACACTCAGATATTGG ACAATTCCACCCACTAATAAAAAACCGACATGGGCAACCACCACCATGAGACTGACCAC CAAAGGGCGTTTCGCCGTTACCGCTATGCTGGATTTGGCGATGAACGCGCAAACCGGCGC CGTCAAACTCAGTGCCATCAGCGAACGCCAAAACATATCCCTCTCCTATCTCGAGCAATT GTTCGGCAAACTCCGCCGCGCCGGACTTGTTGAAAGCCTGCGGGGGCCCGGCGGCGGCTA CATCCTCGCCGCACCGGCGCACGCATCAACATCGCCCAAATCATCGCCGCCGCCGAAGA CCGGCTGGACGCAACCCAATGCGGCAGCAAAGCCAACTGCCACCACGGCGCGCCCTGCCT GACGCACGATCTTTGGGAGAATTTAAACAAAACCATCAACGACTACCTCGGCAGCGTTAC CCTGCAAAGCATCATCGAACAGAAAAACAACGGCGACGGCAGCCGCGTCGTCCAATTTAC ACACATCCATTAAATAACACCCGAAAAAGAAAGAGCAAACCATGACCGTCAAAACCCCCG TTTACCTCGACTACGCCGCCACCCCCCCGTTGACAAACGCGTTGCCGAAAAAATGATTC CCTATCTGACCGAAACCTTCGGCAACCCAGCCTCCAACAGCCACAGCTTCGGCTGGGAAG CAGAAGAAGCTGTAGAAAAAGCACGTGCAGACATTGCCGCCCTGATTAACGCCGACTCTA AAGAAATCGTTTTCACCAGCGGCGCAACCGAGTCCAACAACCTCGCTATCAAAGGCGCGG CGCACTTCTACAAATCTAAAGGTAATCACCTCATCACTGTAAAAACCGAACACAAAGCCG TACTCGACACCATGCGCGAACTCGAACGCCAAGGTTACGAAGTAACTTATCTGGACGTAC AAGAAAACGGTTTGGTTGATTTAGACGTACTGAAAGCCGCCATCCGCGAAGACACCATCC TCGTTTCCGTAATGTGGGTAAACAACGAAATCGGCGTGGTTCAAGATATTCCTGCCATCG GCGAAATCTGCCGCGAACGCAAAATCATTTTCCACGTTGACGCAGCACAAGCATGCGGCA AAGTGCCTGTTGATGTTGAAGCCGCAAAAGTTGATTTGCTGTCTATGTCCGGCCACAAAG TATACGGCCCTAAAGGCATCGGCGCCCTGTATGTACGCCGTAAACCACGCGTCCGCCTCG AAGCCCAAATGCACGGCGGCGGTCACGAACGCGGTTTCCGTTCCGGCACATTGCCGACCC ATCAAATCGTCGGCATGGGTGAAGCCTTCCGCATTGCCAAAGAAGAATTGGCACAAGACA CTGCACACTACCTGAAACTGCGCGATATTTTCCTCAAAGGTATCGAAGGCATCGAAGAAG TCTATATCAACGGCGACCTCGAACATCGCGTCCCGAACAACCTAAACGTCAGCTTCAACT TCGTCGAAGGCGAAAGCCTGATTATGGCAGTGAAAGAACTCGCCGTATCCAGCGGCTCCG -- CCTGCACCTCCGCCTCGCTCGAACCCAGCTACGTCCTGCGCGCCGCCTCGGCCGCAACGATG AACTGGCGCACTCATCCCTGCGCATCACCTTCGGTCGCATGACCACCGAAGAAGAAGTGC

AATTCGCCGCCGAACTGATTAAATCCAAAATCGGCAAACTGCGCGAACTGTGGGGGGGTGT GGGAAATGTTCAAAGACGGGATTGATTTGAACTCGATTGAATGGGCAGCGCATTAAAGCG TACCAACATGCCGTCCGAACCTTTAGACGGCATTCCAAAAACAAAGCAATCAAGAGAAAA TATGAACGAACAAGATTTAGATTTGGACAATCTCGACAACCTGCTTGAAGATTTTGACGG CGTTACCGTGGAAGGCGGCGTCGATTCGGAAAACGACGACGGCTGCGAAGGCGGGGCGTG ACATTAAGGAAACCACATCATGGCATACAGCGATAAAGTAATCGACCACTATGAAAATCC GCGCAACGTCGGCACATTCGACAAGGGAGACGATTCCGTCGGCACCGGCATGGTCGGCGC GCCCGCCTGCGGCGACGTCATGCGCCTGCAAATCAAAGTGAACGACGAGGGCATCATCGA AGATGCGAAATTTAAAACTTACGGCTGCGGCCATCGCTTCGTCCAGCCTGATTAC CGAGTGGGTTAAAGGCAAAAGCCTGGATGACGCGCTGGCAATCAAAAACAGCGAAATCGC CGAGGAGTTGGAATTGCCGCCGGTAAAAATCCACTGCTCCATCTTGGCTGAAGATGCGGT AAAAGCGGCCGTTGCCGACTACCGCAAACGTCAGGAAAACAGATAAAGCCCTTCAGACGG CAAGGAAGAAATATGATTACCCTTACCGAGAATGCCGCAAAACACATCAATGACTATCTC GCCAAACGCGGCAAAGGCTTGGGCGTACGCTTGGGTGTGAAAACCAGCGGCTGCTCGGGG ATGGCGTACAACCTTGAATTTGTCGACGAAGCCGATGGCGACGACCTGATTTTCGAAGGA ${\tt CACGGCGCGCATTTATATCGATCCGAAAAGCCTGGTTTATCTGGATGGCACGCAAGTC}$ GATTACACCAAAGAAGGTTTGCAGGAAGGTTTCAAATTTGAAAACCCCAATGTCAAAGAC TCCTGCGGCTGCGGCGAAAGCTTCCACGTTTAAGGCATAAAAACGGCGGGACCGTATCAA AACCGTCCCGCCATTTTTTCGCTTCCTGCCTGTTGTAGCTGCCTTTGCCTTTCCTTTTCC GTTCCACCTTGTGCCGGAACAAATCGGATTTCACTAAGGCTTTTAAAGCATTGTCGCGTA TTTTGCCTTTATTGTGCTGCACTTTGCCGCCCATATTCAGTCCTTTCGTTTAAGAAGCGG CAGATTATAAGGCAAAAACAGTTTTCTGCCAAAATCTTACATTTATCATCCTACTATGTC CCAATATTTCACCCTCTTCCGGATTGAACCCGCTTTCGATATCGACACCGAAAACTTGGA ACAAACCTACCGCGCCTTGGCCGCCCGTTTCCATCCCGATAAATTCGCTTCAGCTTCCGC CTTTGAGCAAAAGCAGGCAGTGATGATGTCTTCCACCATCAACGATGCCTACCGCACCTT GAAAAACCCCATCGACCGCCGCCCTACCTGCAAAACATCGGGCATCGATGCCGACGC GCCGGAGCATACCGCTTTCGCCCCCGAATTCCTTATGCAGCAAATGGAATGGCGCGAAAC GCTGATGGAGGCACGGCCAACGACCTTGAATCCTTGAAAAATCTCGACAACGAAAT CCGCGACGAACAAGAAAACTGTTCTGCGGTCTGAAACAGTCGTTTGCCCGACAAGATTA CGACACAGCCGCACAAGTCCGCCAAGGCAGGTTTCTCGACAAACTCCGCAACGAAAT TTCCTCGGCATTATAATCCGCACCGTGTTTCAGACGGCGTAACCGCCGCACCGTTCCGCG TCAAAATATGCTAAAATAAGCAACAATTTTTTGCCATACGAAACATTGAAACCATGACCG ACGCAACCATCCGCCACGACCACAAATTCGCCCTCGAAACCCTGCCGGTAAGCCTTGAAG CGGACGTTCGCGACGGTCTCAAGCCGGTACACCGCCGCGTACTGTACGCGATGCACGAGC TGAAAAACAACTGGAATGCCGCCTACAAAAAATCGGCGCGCATTGTCGGCGACGTCATCG GTAAATACCACCCCCACGGCGATACCGCCGTATACGACACCATCGTCCGTATGGCGCAAA ATTTCGCTATGCGTTATGTGCTGATAGACGGACAGGGCAACTTCGGATCGGTGGACGGGC TTGCCGCCGCAGCCATGCGCTACACCGAAATCCGCATGGCGAAAATTTCCCACGAAATGC TGGCAGACATTGAGGAAGAAACCGTCAATTTCGGCCCGAACTACGACGGTAGCGAACACG AGCCGCTTGTACTGCCGACCCGTTTCCCCACACTGCTCGTCAACGGCTCGTCCGGCATCG TGCGCCTGCTCGATGCACCCGACACCGAAATCGACGAACTGATCGACATTATCCAAGCCC CCGACTTCCCGACCGGGGCAACCATCTACGGCTTGAGCGGCGTGCGCGAAGGCTATAAAA CAGGCCGCGCCGCGTTATGCGCGGTAAGACCCATATCGAACCCATAGGCAGAAACG GCGAACGCGAAGCCATCGTTATCGACGAAATCCCCTATCAGGTCAACAAAGCCAAGCTGG TCGAGAAAATCGGCGATTTGGTTCGGGAAAAAACACTGGAAGGCATTTCCGAGCTCCGCG ACGAATCCGACAAATCCGGTATGCGCGTCGTTATCGAGCTGAAACGCAACGAAAATGCCG AAGTCGTCTTAAACCAACTCTACAAACTGACTCCGCTGCAAGACAGTTTCGGCATCAATA TGGTGGTTTTGGTCGACGGACAACCGCGCCTGTTGAACCTGAAACAGATTCTCTCCGAAT TCCTGCGCCACCGCCGAAGTCGTTACCCGACGTACGCTTTTCCGGCTGAAGAAGGCAC GCCATGAAGGCATATTGCCGAAGGCAAAGCCGTCGCACTGTCCAATATCGATGAAATCA TCAAGCTCATCAAAGAATCGCCCAACGCAGCCCAGGCCCAAAGACAAACTGCTTGCGCGCC CTTGGCGCAGCAGCCTCGTTGAAGAAATGCTGACGCGTTCCGGTCTGGATTTGGAAATGA TGCGTCCGGAAGGATTGGCTGCAAACATCGGCTTGAAAGAGCAAGGTTATTACCTGAGCG AGATTCAGGCAGATGCTATTTTACGCATGAGCCTGCGAAACCTGACCGGCCTCGATCAAG AAGAAATTGTCGAAAAGCTACAAAAACCTGATGGGTAAAAATCATCGACTTTGTGGATATCC TCTCCAAACCCGAACGCATTACCCAAATCATCCGCGACGAACTGGAAGAAATCAAAACCA ACTATGGCGACGAACGCCGCAGCGAAATCAACCCGTTCGGCGGCGACATTGCCGATGAAG ACCTGATTCCGCAACGCGAAATGGTCGTTACCCTGACACATGGCGGCTATATCAAAACCC AGCCGACCACCGACTATCAGGCGCAGCGTCGCGGCGGCGGCGCAAACAGGCGGCTGCCA CCAAAGACGAAGACTTTATCGAAACCCTGTTTGTTGCCAACACGCATGATTATTTGATGT GCTTTACCAATTTGGGCAAGTGTCATTGGATTAAGGTTTACAAACTGCCCGAAGGCGGAC GCAACAGCCGCGGCCGTCCGATTAACAACGTCATCCAGTTGGAAGAAGGCGAAAAAGTCA GCGCGATTCTGGCAGTACGCGAGTTCCCCGAAGACCAATACGTCTTCTTCGCCACCGCGC AGGGAATGGTGAAAAAAGTCCAACTTTCCGCCTTTAAAAACGTCCGCGCCCAAGGCATTA AAGCCATCGCGCTCAAAGAAGGCGACTACCTCGTCGGCGCTGCGCAAACAGGCGGTGCGG ACGACATCATGCTGTTCTCCAACTTAGGTAAAGCCATCCGCTTCAACGAATACTGGGAAA AATCCGGCAACGACGAAGCGGAAGATGCCGACATCGAAACCGGAAATTTCAGACGGCATCG AAGATGAAACCGCCGACAGCGAAAACGCACTGCCGAGCGGCAAACACGGTGTTCGCCCGT GCCTGATTACCTTCGCCCCTGAAACCGAAGAAAGCGGTTTGCAAGTTTTAACCGCCACCG CCAACGGATACGGAAAACGCACCCCGATTGCCGATTACAGCCGCAAAAACAAAGGCGGGC

AAGGCAATATTGCCATTAACACTGGCGAGCGAAACGGCGATTTGGTCGCCGCAACCTTGG TCGGCGAAACCGACGATTTGATGCTGATTACCAGCGGCGCGTACTTATCCGCACCAAAG TCGAACAAATCCGCGAAACCGGCCGCGCGCGCAGCAGGCGTGAAACTGATTAACTTGGACG AAGGCGAAACCTTGGTATCGCTGGAACGTGTTGCCGAAGACGAATCCGAACTCTCCGACG CTTCTGTAATTTCCAATGTAACCGAACCGGAAGTCGAGAACTGAAAATCATCTCCCGATG CCGTCTGAAGATTCAGACGGCATTTATTTTATCCCTCATCCGTCATCCAGCTTCTCACAA TATAGCGGATTATAGTCAATTAAAAACAAGGGGCTGTCCTAGATAACTAGGGAAATTCAA ATTAAGTTAGAGTTGCCCCTATGAGAAAAAGTCGTCTAAGCCGGTATAAACAAATAAACT CATTGAACTGTTTGTCGCAGGTGTAACTGCAAGAACGACAGCAGAGTTAGTAGGCGTTAA GCATTTGGAAATGTTTGATGGCGAAGTAGAAGCAGATGAAAGTTATTTTGCTGAACGACA **AAACCATATCAATGGAATTGAGAACTTTTGGAACCGGGCAAAACGTCATTTACGCAAGTT** TGACGCATTCCCAAAGCGCATTTTGAGCTGTATTTAAAGGGGTACGAACGGCGTTTTAA CAACAGTGAGATAAAAGTTCAAATTTCCATTTTAAAACAATTAGTAAAATCGAGTTTATC CTAGTTATCTAGGACAGCCCCAAAAACAAAATAGTACAATATTCAACTTTGAAGGTCTAA CCATGGCATACTCTGCGGACTTAAGAAACAAAGCTTTAAACTATAGTGGATTAAATTTAA ATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGCAAGGCGAGGCAACAC CGTACTGGTTTAAATTTAATCCACTATATTACGAACAATGCAAAAACATCAGCCAAACCG CAGCAACGTTTAACTTGTCAAGAAACACGCTTTACCTGTGGATTCGCCTTAAAAAAACAAA CAGGCAGCCTAAAACATCAAGTTACCGGTCTAAATGCCGTCAAATCGGATAGGCAAAAAC CGGCTCAATATGTTGGGCAACACCCGGATGCCTATCTGCATGAAATCGCCAAACATTTTG ATTGTACGGCAGCCACTTTGCTATGCACTCAAACAGATGGGGATAACGCGCAAAAAAA GACCACCACTTACAAAGAACAAGACCCGGCCAAAGTAACGCATTATTTGACACAGCCGGC CGAATTTTCCGACTACCAACGTGTTTATTTGGATGAAACAGGATTTGACCGCTACCTGTT CCGTCCCTATGCCCGCAGCCTGAAAGGGCAAATAGTGAAAGCGCAGATAAGTGGAAAAAG ATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTA CGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCG AGCCAACGCTGTATCGGTTTAAATTTAATTCACTATAAAAACGACAAAAACGCAAAAAGCC GCCGACATTCCCGCATCCAAGTTTCAGTCAATCAGATAACCTTGGATTTCTTTGGTTTTC GCATTGATTTCTCTGGTACGGCAGTCAGATTGTGCCACGCCGTATTCGTCGCCGTCGGCG CATTTGGCATTCAAACCGTTTTGTCAGTTGCGGTACTCGGGCATGACGGTTTCGGCAATA CTTCCCTGGCCATTTCGTCGATAAGGGCTTTTTTACGGTTGTGCAGCTCTTCCAAGCGTG CTTCGGTTTTCGCCGTTTTGCATGCCAGTTCGCTGAATTTTATGCCGTTTGGCGTTTTAC CTTCAGCTTTCGCATTGTTGGCACAGATTTTATCCATCCCGCTTTTCCATGTTTTCTGTG AGGCTTGCAGCTTATTCTGTACGGTTTGAGGCAATCCTTTCCAGAACTGCTCGAACTCGC CCAATGCCTCCTGCGCCGCCGCTTCTTCTGCCGCTTCAAGTTCTTCGTTCCTTTGTTTCA CTTTGTCCAACGGCTCTTTAATCAGTGCCATAGCTGCGGAACATATATGTTTAAATTTAT GCAAACCATCATATCGGGATTGCACACGCTCTGCAAGTTTACCGACGGTTTTCCTGTTCG ATAAAAATGCCGTTTGAAACGGTCGGCGTTCAGACGGCATTTTTCCGCAGGTTTTATTTG CGGTTGGTCTGCAGGTAGAGGTTGATCAGGCGTTCGGTCGAACTGTCGTGCTTTTGCGGC CCGGTTTCGCCGGTCAGTTCGCCCAAAATGGTTTTAGCCAGTTGTTTGCCGAGTTCCACG CCCCACTGGTCGAAGCTGTTGATGCCCCAAATGATGCCTTGTACGAAGGTTTTGTGTTCG TACATGGCAATCAGGCTGCCCATATTGCGCGGGTTGACCTTGTCCATGAGAATGAGGTTG GTCGGGCGGTTGCCGGAGAAGGTTTTGTGCGGGACCAGCTCTTCGATGCGCACCTCATCC ATACCCTGCGCTTTGAGTTCGGCGCGGACTTCGTCGGGGGTTTTGCCGCGCATAAAGGCT TCTGCTTGGGCGAAGACGTTGGCAAGCAGGATTTCGTGGTGTCCGGGCAGGTTGCTGCGT AAAAAGGCGTGCTGGCCGTTAATGCCCGTTTCGCCCCAGATAATCGGCGAGGTTTCGTGT CCGACTGCTTTGCCGTCCAACGTAACCTGTTTGCCGTTACTTTCCATATCGAGCTGCTGG ATGAATTTGGGCAGGCGGTGCAAATGTTGGTCGTAAGGCGCGATGACGTGGCTGCCGCCG CCGTAGTAGTTGATATACCAGATGCCGATGAGGGCGAGAATGACGGGCAGGTTGCGCTCG AGCGGTGTGTTGATGAAGTGTTGGTCCATCAGGTGCGCGCCGTTGAGCATTTCAATGAAG TTTTCTTCGCCGAGATACAGCATAATCGGCAATCCGATGGCGGACCACAGGCTGTACCGA CCGCCGACCCAATCCCAAAATTCAAACATATTGGCGGTGTCGATGCCGAATTCGGCGACG GCTTTTTGATTGGTGGAAACGGCGGCGAAGTGTTTGGCAACGGCTTCTTCGTCGCCCGCA TGATTCAAAAACCATTCGCGCGCGGTCAGCGCGTTGGTCAGCGTTTCCTGCGTGGTAAAT GTTTTGGAGGCGATGATGAACAACGTGGTTTCGGGGTGGACTTTGGACAATACGTCGCGC AGTTGCGAGCCGTCCACGTTGGAGACGAAGTGCATATTGAGGCGCGGATGACCGAAAGGT TTGAGCGCGGTACACATCATCAGCGGACCCAAATCCGATCCGCCGATGCCGATGTTGACA ACGTCGGTAATGACTTGGTTGGTATAGCCCAGCCAGCTTCCGCTGCGGACTTCGTGTGCA AATTCGCCCATACGTTGCAAAACGCGGTTGACTTTGGGCATCACATCTTCACCGTCAACC ACAATCGGCGAATTGGTGCGGTTGCGAAGGGCGACATGCAGGACGGCGCGGTTTTCGGTG GTATTGATTTTTTCGCCGTGGAACATCTGCCGCATCCGCTCCGGCACGCCTGCTTCTCGG GCAAGCTCGAACAAAAGCGACATGGTTTCGTCGTTGATGCGGTTTTTTGGAGTAGTCCAGC GTCAGTCCGCCGACTTGCAGCCAGTAGCGTTCCGCACGCTGCGGGTCTTGCTCGAACATT TCGCGCATATGCAATGTTTTGCTGTCGTCAAAGTGATTCCACAATTTCGACCATGCGGGT **AAGTCGTGAAGGTGTTTCATCTATATGCTCCTGAATGAGGTTTTTTGTTGTGGGATGAAA** AGGCTGCCGGAAACTGCCGCAAGCCGCCGACGACCGTTGTTCGGCATTTCAGACGGCATT TGTGGGATGCCGTCTGAAGGTCAATCTTTGTCGTAATCGATGTGCTTGTTGTGTATGCTT TTTTTGCTTTTCTGCAATTGCAGGCTGGCAGCATCGCCCAAGCGCAGGGCAAGTCCGATG GCGAGAATGTCGATGACGGCAAGCTGCAAGAGGCGGGAAACCATGGGCGTGTAGAGTTCG GCATTTTCCTGTGTGGCAACGCTCAACACGCAGTCGGCAAGTTGCGCCAGAGGCGAATCG TTGCGGGTCAGTGCGATGACAGACGCGCCGTTTTCTTTGGCGATGCTGACCGCATCCAAA

AGTTCGATAGACGAACCCGTGTTGGAAATGGCAACCAAAACATCCTGATCGCTCAAAACA GATGCCGCCATCAGCTGCGTGTGCGTATCGACATAGGCGACGGTGGACATGCCGAAACGG AAAAATTTATGCTGCGCGTCCTGTGCCACAATGCCGGAATTGCCGACACCGTAAAACTCG ACGCGACGGGCGTGCATCAGCGTGGCAATGGCGTTTTCCAGCTCCGACTCTTTCAGGAAG CGGCGTTCGCCCAACAGCGAGGCGGCGGCATTGCCCAACACTTTCTCGACCACGCTTGCC ATATCGTCGTCGGCGTTGAGTTCTTCGTGGACATAGGGCATACCCTCATGACCGATGCTG GCGGACAAGGCGAGCTTGAACTCGGGCAGCCCTTTATAACCCAAGCTGCGGCAGAATCGG ATGACGGTCGGCTGACGGACGCACGTTCGGCAATTTCGGCAACGGCGGCATGGACG AACCATTTGGGTTCCGCCAATGCACATTCGGCGACTTTGCGTTCCGCACCGGAAAGGTTT GCCAGTGATTCGCTGATTTTGCTTAACATAATGATATGCCCTTCGATAATGCAGCCCCGC TGCAAGGAGCCGCTGTGGTTAAACGTTTCTCAAATGGTTGTCAAGAGCCGCAGCCGCACC GGAAATTCCGGGAAACTCGCTCAAGACGACATACACGGGAATCGCGGCAAGATATGCTTC AAACCTGCCCTTGTTCTCGAAACGGCTGCGGAACGGGGAAGTTTTGAAATATTCCAACAC GTTGGAAGCAACCGTGCCGAGCATGGCGCAGAAGATGTCCAAAGTCTGACGGCACAAAGG CGACGCGCCGCTCAAAGCCTTTTCCGTGATTTCAGACGGCATCAGTTTGGCGGGTTTGGC TTTCTGTTTTGCAGCCAAAGCCTCGTAAACCAAGCTCAAGCCCGCCGCTCAAAAAGCG TTCGGCGGAAACATGGCCGTATTTGTTTTTGGCGTACTGCCAAATCAGCACTTCCATATC GCTGTGCACCAATCCGCTCACGCCCAGGCCGGTACCGGGGCCGATAACGGCTTTGGGGGC AAATTCGACAGGCTTTTGCCCGCCTACCTGCATCAGGTCTTTGCTTGAAGTCTGCGTTAC CGCCAATGCCTGCGCGGTAAAGTCGTTCAAAAGGATGAGGGTGTCCAGCCCCAAAGTCTG ACGGGTGGTTTCGATGGAAAACGCCCAATGGTGGTTGGTCATCTGCACCCAGTCGCCCAA AATCGGGTTGGCGATGGCAAATGCCGCGTGCCGTACGGCTGTTGCACCGCTTTGATTCAG ATAGGCACGCACCGCATCGGTAACCGTATCGTAGTCTTTACACGGAAGCACGGCGGCTTT TTCAATGACGCGCGGCGGGTTTCCAGCGCAAAGCGTGCATTCGTCCCGCCGATATCGGC GACCAGTCGGGGATATCCGGCTTGTTTATTCGGCGTAGAAGACATGGCAGTTCACTCCTT GATGGTTCAAAACGAGGTTGATCGGATATTCGCGGTTTTCGCCTTGTGCGGCTTGGTCGA ACACGGCTTTTTCTCTTCGCCCCGTATCGCCAAAAACACATGCCCCGTATGGGCAATCG CATCCAAGGTCATACTGACGCGCTCGTGCGGCGCGGTAACGGGCGTGGTATGCACCAACG CGACACCTGCCGAACCGTCGATTGCCGTCTGAAACTGCGGAGCTTTCGGGAAAATCGAAG CCGTATGCCCGTCGTTTCCCATACCCAAAACCAAAACATCGGGCTGTTTGTAATGTTTCA GTGCATÁATCGACAACAGCATCGGGATGTAATTCGGTTTCAGTTTTTCCGTCTTCCACCA TAGGAATCCACATTGCCGCTTCCGCTTTGTTCTTCAACAGGTATTCGCGCACCAAACCGG TATTGCTGTCGGCGTGGACGGTCGGCACGATGCGTTCATCTGCCAAGGTGATGCCGACGT TTTTCCAATCCAAATCTTTTTGCGACAGGGCGTTGAAAAATGCAATCGGCGAACGTCCGC CGGAAACTGCCAACACCGCACCGCCCTTCTCGTCCAGTGCGCCCTGCAAAGCATCCGCCA TATTTGTGTCCTTTTTTTTTTCAGACGGCATATTCCGTTATGGAAACGGGTTGAGCAAT ATGTCGGCCGAACAGTTGTTTATGCTTTTGATACCAAATATCGGGACTGCTTTTTATAGT GGATTAAATTTAAACCAGTACAGCGTTGCCTCGCCTTGCCGTACTATTTGTACTGTCTGC GGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATACTACTTTACTTATGTTCAGA CGGCATTTCAAACCCCATGCCGTCTGAACGCATTATTGTATTACTGCTCTTCGTGCCACT TGTGTCCGTCGCGCCCAATAGTTCGCGCGCGCTTCAGGCCCCCACGAGTGTGCGCCGT AGCCGTGCGGCGTGGTGTTATTTGTCCAGTTTTCCAAAATCGGCATCACATATTCCC ACGCGGCTTCAAGTTCGTCGCGGCGGTTAAACAAAGCGAGTTTGCCGTTAATCACATCCA GCAGCAGGCGCTCGTAAGCTTCCGCGCGGCGGCCTTCCAATGCTTTGCCCAAATCGGTTG CCAGCGGCACGGTTTCGACCTTATTTCCTGCCCCCGGGGTTTTCATCTGCGTATAGAGGC GCACGGATTCATATGGTTGCAACTCGATAACGAGCCGGTTGGGCGGGTGCGGCTGCCTT CAAAAATATGGCTGTTCAAATCTTTGAAGTTCAAAACGATTTCCGCCACTTTGCCCGCCA CTTTAATGGCGACGTAGGTTTCGGTAAAGCTGTCTTGCGGAACGTTGATTTCTTCAAGAT AGCCGTTCATGCCTCTGGCGGCGGTATATTGTCCGCGCACGACGTTTTCATTGACAGACT CGACGGTCAGCGGCTTCAATGACTTGATGACTTTTGACTTTTCATCGCGCACCGCGTCGG CATCCAAGCTGGCGGGGGCTTCCATCGCAGTCATGCACAACATCTGCATCAAATGGTTTT GCACCATATCGCGCAACGCGCCGGTAATGTCGTAAAACTCACCGCGCTCTTCCACACCGA GGTCGATGCGGTAAATTTGCCCTTCTTTGAAATAACGCGCAACATCGGTATTGATTTGCT GGGAAGAAGCCAAATCCGTACCCAACGGTTTTTCCAAAACTACGCGCACATTGTCGGCAT TCAAACCGATCGCAGCAAGGTTTTCACAGGCTTGCGCGAAGAATTTGGGCGCGGTGGACA GATAGATGACGACGTTGTCGGTTTCTTTGCGCGCTTTGACCAAATCGCCCAAAGCGGCAA AATCGTCCGGCTGCGTAACATCGACTTTGAGATATGCGAAACGTTCGACAAACGATGCCC AAGCCTCATCGGAAAAATTTTCTTTCACATGGATTTTGGAACTGGTTTCCACCTTCGCCA GAAAACCTTCGGTATCCAACTCGCTGCGGCTGACCCCCAAAATACGCCCTTCGGGATGAA GCAGACCGGCAACATGCGCCTGGTACAGACAGGGCAACAGCTTGCGCATCGCCAAATCGC CGGTCGCACCGAACACACCAAATCAAAATTTGTTTGTGTACTCATCGTATTATCTCGTC AGGAAAGAATTTTTCGATGCCGTCTGAAACCTGTTTCCCCCATCACGCTGCATCGCAATA TCGGAAACAAAGGCAGGCGGCATAATGAGTAGTAATACTACACACCGCTACACTTTTTGT CTATTCCCATTTTTACAATTTATTTGACCTAGTCCAAAAATCGGGCAGGTTTCCCCTATT CCGTTACAACAATCGAAAGATTCTGCGATTTAAATCAAATTTCTTTTCAATGCCTGATTT TTTTGTAACAAATTACAAATTTTGTACTATAATAACACCCGCTTCCCACTTTCAGACGG CATACCTTTTAAAATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGAC AGTACAGATAATACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCT TTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATACTTACCGTCTG

AATACCCGATACAAAAATCAGAAACGCACAAACAAATCCCCAATACCCCCCCGTTCCGA CAGGAGACCGACCGTGAACACTACTCCTATCCACTCCAAACTCGCCGAAATCACCGGGCG CATTATTGAACGCAGCCGTCCGACGCGTGAAAAATATCTGGCGAAGATCCGCAGTGCCAA ACAAATGGGACGCTTAGAGCGCAACCAGCTCGGCTGCAGCAACTTGGCACACGGCTATGC TGCCATGCCTAAAAGTATCAAAATCGAAATGCTTCAGGAAACCGTCCCCAACTTAGGCAT CATCACCGCCTACAACGACATGGTTTCCGCACACCAGCCGTTTAAAGACTTCCCTGACCA **AATCAAAGACGAAGCGCAGAAAAACGGCGCGACCCCCAAGTCGCCGGCGGCACGCCCGC** CATGTGCGACGCATCACGCAAGGCTACGCCGGCATGGAATTGTCGCTGTTCTCCCGCGA CGTGATTGCCATGAGTACCGCCATCGGGCTGTCGCATCAAATGTTTGACGGCAGCCTGTT TATTCCGGGTATCTTCGTCCCGCAGGCCCGATGTCCAGCGGTATCGGCAACAAAGAAAA AGCCCGCACCCGCCAGCTTTTCGCCGAAGGCAAGGTCGGACGCAACGAACTTTTGAAAAG CGAAATGGGTTCTTACCACAGCCCGGGCACCTGCACTTTCTACGGCACGGCAAACTCCAA AAACGGCACGATTAAACCTTTGGGCGAAATGTTGACCGAAAAATCCTTTATCAACGCCTT GATTGGCCTGATGGCAACCGGCGGTTCGACCAACCACCATGCACCTCGTCGCTATGGC GCGTGCGGCCGGCGTGATTTTGAACTGGGACGACTTCGACGAAATTTCCTCCATCATCCC GCTGCTCATCCGCGTTTATCCGAACGCCAAGGCCGACGTGAATCACTTTACCGCAGCGGG CGGACTGCCTTTCGTTATCCGCGAATTGCTGAATGCAGGCCTGTTGCACGACGATGTCGA TACCGTCGTCGGACACGGTATGCGCCACTACACCAAAGAGCCTTTCCTTATCGACGGCAA ACTCGAATGGCGCGAAGCCCCCGAAACCAGCGGCAACGACGACATCCTGCGCAAAGCTGA CAACCCGTTCTCCCCCGACGGCGGTCTGCGCCTGATGAAAGGCAACATCGGACGCGGCGT GATTAAAGTGTCCGCCGTGCGCGAAGGCTGCCGCATTATTGAAGCGCCTGCCATCGTGTT CAACGACCAACGCGAAGTGTTGGCTGCGTTTGAACGCGGCGAGTTGGAACGCGATTTTGT GTGCGTCGTCCGCTACCAAGGCCCGCGTGCCAACGGTATGCCCGAATTGCACAAACTGAC CCCGCCTTTGGGCATCCTGCAAGACCGCGGCTTCAAAGTGGCGCTGCTGACCGACGGCCG TATGTCCGGCGCGCCAAAGTTCCAGCCTCCATCCACATGACACCCGAAGCCCTGAT GGGCGGCAACATCGCCAAAATCCGTACCGGCGACCTGATCCGCTTCGACTCCGTTAGCGG CGAACTCAACGTCCTGATTAACGAAACCGAATGGAATGCCCGCGAAGTCGAAAGCATCGA CTTGGGCGCGAACCAACAAGGCTGCGGCCGCGAACTCTTCGCCAACTTCCGCAGCATGAC CAGCAGCGCGAAACCGGTGCCATGAGTTTCGGCGGCGAATTTGCCTGATGCGCGTTTCA GACGGCCTTTTCAGACCGAAGGCCGTCTGAAAAATTATTCAAGCGTTTTAAGATAGACGT AGGTTGGATTCTCGAATCCGACACCCGTCCAAGATGTCGGTTTCTTGAATCCGACCTA CAACCTGTCCCATCTTAATAAAATACCCCATTCCACCCGGAGAACCGAAATGTCCAAACT GACCCCCGCGAAATTTTGACCGCCGGCGCAGTTGTGCCGGTAATGGCGATTGACGACTT AAGCACCGCCATCGATTTGTCCCACGCCCTTGTCGAAGGCGGCATCCCTACCCTCGAAAT CACCCTGCGCACCCCTGTCGGCCTCGATGCCATCCGCCTGATTGCCAAAGAAGTGCCCAA CGCCATCGTCGGCGCAGGTACGGTAACCAATCCCGAACAGCTCAAAGCCGTCGAAGACGC AGGCGCGGTTTTCGCCATCAGCCCGGGGCTGCATGAATCCCTCGCCAAAGCCGGCCACAA CAGCGGCATCCCCTGATTCCCGGTGTTGCCACCCCGGGCGAAATCCAACTGGCTTTGGA ACACGGCATCGACACCCTCAAACTCTTCCCCGCCGAAGTCGTCGGCGGCAAAGCCATGCT CAAAGCCCTGTACGCCCTTACGCCGATGTTCGCTTCTGCCCGACAGGCGGCATCAGCCT CGCCACCGCCCCGAGTACTTGGCACTGCCCAACGTCCTGTGCGTCGGCGGCTCTTGGCT GACACCGAAAGAAGCCGTGAAAAACAAAGACTGGGACACCATCACCCGCCTCGCCAAAGA AGCGGCGGCGTTGAAACCCAAAGCCTGATTCGCATCGTAAAAATGCCGTCTGAAAAACCT TTCCCGTTTCAGACGGCATTTTGCCGATTGAGGGCACAGTCGGCATACACGGCAGCACTG ATCAGACATACCGCCCTAAAATGCCCATCCGCCTTCCGCATAATAAAAATAACGTTCAG TTCATTCGACAGCAGCCGGACAGCCCATACTACGCGGCTGAAAAAATGCCGTCTGAAACG CATTCAGACGGCATCCACTTAAAAAAAACAACTGATTCAACGCCGATTAATCCGCTTCCA **AAACCACTTTCATCACTTGGTTTTCGGCGGCGTGTTTGAACACGTCGTAGGCTTTTTCCA** ATTCACTGAATTTGAAATGATGGGTCAGCATTTTGGTGTAATCGACGGAGCTGCTGGAAA TCCCCTTCATCAGCATTTCGGTGGTATTGGCGTTTACCAGACCGGTAGTGATGGCAAGCT CGATATGGCCGCCGGGTTTCACAATGTCTTGGCACATATTCCATGTAGCAGGGATACCGA CGGCTTCGATGCCCAATCCACGCCGTCTTCGCCGACGATGGCAAAGACTTGTTTGGATA CTTCGCCGGAAGCAGGGTTAATGGTATGGGTCGCACCCAATTCTTTCGCCAGTTTCAAAC GGTTTTCGTCCATATCGCAAACGATGATGGCGGCGGGACTGTACAGTTGGGCGGTCAACA GGGCGGACATACCGACAGGGCCTGCCCCAGCGATGAATACGGTGTCGCCGGGTTTGACAT CGCCGTATTGCACGCCGATTTCGTGGGCGGTCGCCAAAGCGTCGCTCAACAACAGGGCGA TTTCTTCGTTGACATTATCGGGCAGCGGAACGAGGCTGTTGTCGGCATAAGGCGTACGGA CGTATTCGGCCTGAGTACCGTCAATCATGTAACCCAAAATCCAACCGCCGTTACGGCAGT GTGAATAGAGTTGGGTTTTGCAGTTGTCGCAAGTGCAACATTTGCTGACGCATGAAATAA TGACTTTATCGCCGACTTTGATGTTTTTTACAGCCTCGCCGACTTCTTCTACAATACCGA TGCCCTCATGACCGAGAATACGGCCGTCGGCAACTTCGGGGTTTTTTGCCTTTCCAAATAC TAATCTGCGGACGGGTTTTTCTTCAAAACGGATGTCGTTTGCGCCGTGATAAACCATTG CTTTCATGCTGATACTCCTTGCTTGTTGATAAATTATTCAATACCGCAATAAAGTTTCT TTATATGAGTTATATGCCCCTACAAAAAATAAGTCAATAAGAATTATTTTCACAATGTTA TACAATAACATACCGTTTTAAATATAAATAAAACCACCGATTGATATTAATGAACACACC CATCCCCTTCTCCGAACGCTCATCCGCTGGCAAAAACAACACGGTCGCCACCACCTCCC TTGGCAGGTCAAAAACCCTTATTGCGTCTGGCTTTCCGAAATCATGCTCCAGCAAACGCA AGTCGCCACCGTGTTGGACTACTATCCGCGCTTCTTAGAAAAATTCCCGACCGTTCAGAC CCGCGCGCGCAACCTGCACAAAGCCGCGCAACAAGTCGTCAGGCAATTCGGCGGCACGTT

TCCGTCGGAGCGCAAAGACTTGGAAACCCTCTGCGGCGTAGGCAGAAGCACCGCCGCCGC CATTTGCGCCTTCTCCTTCAACCGCCGCGAAACCATTTTGGACGGCAACGTCAAACGCGT ACTCTGCCGCGTGTTCGCCCGCGACGGCAATCCGCAGGACAAAAATTTGAAAACTCGCT AGGTTTGATGGATTTGGGCGCGACCGTGTGCAAACGGACGAAACCCTTGTGCCACCAATG CCCGATGGCGGACATCTGCGAAGCGAAAAAGCAAAACCGCACCGCCGAGCTGCCGCGCAA AAAAACCGCCGCCGAAGTACCGACCCTGCCGCTTTACTGGCTGATTGTCCGCAACCGGGA GCCGTGTTTTGAAAGTTTGAACGGGCTTTCCGACTTTGCCGCCAAATTCTCCCTGACCAT GGCAGATATGGACGAACAAACCGCCCTGACCCACCGCCTGACGCACCGGCTGCTATTGAT TACGCCCTTTGAAGCACAAATGCCGTCTGAAAGCCCTTCAGACGGCATTTGGATAAAGCC GTTAGAATAAACAAAATAAACCCATTGAACTGTTGTTTGCAGGTATCGCAGCAAGAACAA CCGATGAATTTGGGTCGTATTTTAGGCGGCGGGATAATGTTCAAATGGGACATTTGGAAC GGAAGAAGTCGGCAATTTAAAAAGGATTTAAAAAGCAAAGAAGGTCAAAAACATGAACAC AAACTTAAATGACAAAGACAAAGCCATGGATACCGCAATCAGGTTTCAGAAAAGGATGAG GATTCCGAAATTTTTCTTTTAATTCTCGGAATCACAATGGTTTTGGCATTTATCCAAGA CGTGATAACGGGTTCTAATTTTCTGCAAATAACAATTAATGTAAAATTTTCGTAAAAATT TATCGGCTTTTAAAACAAAATTGACTAAAATAGTCGCGAGTTTTTACTGCAATAAAGGAG ATTGCAATGAATATGAAAACCTTATTAGCACTAGCGGTTAGTGCAGTATGTTCAGTTGGT GTTGCGCAAGCACACGAGCATAATACGATACCTAAAGGTGCTTCTATTGAAGTGAAAGTG CAACAACTTGATCCAGTAAACGGTAACAAAGATGTGGGTACAGTGACTATTACTGAATCT AACTATGGTCTTGTGTTTACCCCTGATTTACAAGGATTAAGCGAAGGCTTACATGGTTTC CACATCCATGAAAACCCAAGCTGTGAGCCAAAAGAAAAAGAAGGTAAATTGACAGCTGGT TTAGGCGCAGGCGGTCACTGGGATCCTAAAGGTGCAAAACAACATGGTTACCCATGGCAA GATGATGCACACTTAGGTGATTTACCTGCATTAACTGTATTGCATGATGGCACAGCAACA AATCCTGTTTTAGCACCACGTCTTAAACATTTAGATGATGTTCGCGGTCACTCTATTATG ATCCACACGGGTGGTGATAATCACTCCGATCATCCAGCTCCACTTGGCGGTGGCGGCCCA CGTATGGCATGTGGCGTGATTAAATAATTCGATTGTTCGAAACGAAAAGTGCGGTGAATT TTGACCGCACTTTTTTGCTAGATATTTAGCATTGAGACCTTTGCAATAACATAGGTTACT AAAATTTTATGCTCAATCTCATTTTCAAAATGCAAAACTTTTCTGATTTTTCCTACTTTT TGCTCAATATTAGGAAGGTTTTAGGCAATTGAAAATTTTTTTGGCGCATTTTTATGCGTCA AATTTCGTTAACAGACTATTTTTGCAAAGGTTTCAATTCATAAGTTTCCCGAAATTCCAA CATAACCGAAACCTGACAATAACCGTAGCAACTGAACCGTCATTCCCGCGAAAGCGGGAA TCTAGACCTTAGAACAACAGCAATATTCAAAGATTATCTGAAAGTCCGAGATTCTAGATT CCCGCTTTCGCGGGAATGACGAAAAGAGACCTTTGCAAAATTCCTTTTCCCCGACAGCCG AAACCCCAACACAGGTTTTCGGCTGTTTTCGCCCCAAATACCGCCTAATTCTACCCAAAT ATCCCCTTAATCCTCCCCGGATACCCGATAATCAGGCATCCGTGCTGCCTTTTAGGCGGC AGCGGGCGCACTTAGCCTGTTGGCGGCTTTCAACAGGTTCAAACACATCGCCTTCAGGTG GCTTTGCGCACTCACTTTAACCAGTCCGAAATAGGCTGCCCGGGCGTAGCGGAATTTACG GTGCAGCGTACCGAAGCTCTGTTCAACCACATAACGGGTCTTCGACAAATATCGGTTGCG TTTGGTTTGCACTTCCGTCAGCGGACGGTTGCGGTGGGCTTTGCGCATAATGCCGTCCAG CAACTGATGTTCTTCCAGATGTTGCCGGTTTTCCGCACTGTCGTAGCCTTTGTCGGCATA GACGGTCGTACCTTTGGGCAGTCCTTCCAACAACGGCGACAGGTGTTTGCACTCATGGGC ATTGGCGGGGGTAATGTGCAGTTTCTCGATATAGCCTTCTGCATCGGTACGGGTATGTTG TTTGTAACCGAGTTTGTAGAGGCCGTTTTTCTTTATCCAACGGGCATCGCTGTCCTTACT CGGTGTGGTTTGACCGCTGATTTGTCCTTCTTCGTCAACTTCTATGGCCTGACGCTGTTT GCTGCCGGCGGTCTGAATAATGGTGGCGTCAACGACGGCAGCGGATGCTTTCTCTATTTT TAAACCTTTTTCGGTCAGTTGGCGGTTAATCAGTTCCAACAGTTCAGACAGGGTATTGTC TTGCGCCAGCCGGTTGCGGTAGCGGCATAAGGTGCTGTAATCGGGGATGCTCAGTTCGTC AAAACGGCAAAACAGGTTGAAATCGATGCGGGTAATGAGGCTGTGTTCGAGTTCGGGATC GGAGAGGCTGTGCCATTGTCCGAGCAGGACGGCTTTGAACATGGACAGCAGGGGATAGGC AGGACGGCCGCGGTGGTCTCTAAGGTAACGGGTTTTTTGACGGTTCAGGTATTGTTCGAT CAGCTGCCAATCAATCACCCGGTCCAACTTCAATAGCGGGAAGCGGTCGATGTGTTTGGC AATCATGGCTTGGGCGGTTTGCTGGAAGAAGGTGCTCTTGAGAAATCCCCTAAATGTCTT GGTGGGAATTTAGGGGATTTTGGGGAATTTTGCAAAGGTCTCTAGATGAGTGAAAAAGAA GTGCAGGCTGCCTAAAAAGACAGAAAAAGTCTTTCCGGCAGCCTGCACTTTGGTTTCATT TCAGTCAGTAAACCCAGTAAACGACGGTCTGAAAACGCAGAACGTTACGAAAAAAGCAGC CTACACGCCCATCCCCGCCTTCTACCCGTTCTGTAAATCATACAGATAGCGGTAATATC CGTTCGGCTTCGCCAGCAATTCCTGCTGTGTTCCCGCTTCCACAATCCTGCCTTTATCCA TGGCAATGATCCGGTGTGCCGTTTTAACAGTGGACAGACGGTGGGCGATAATCAGCACCG TCCGGTTGGCGCAAATGGCCTGCATGTTCTGCATAATCGCTCGTTCACTTTCATAATCCA GCGCGCTGGTGGCTTCATCAAAAATCAGAATGCGCGGGATTGGTGATTAACGCGCGGGCAA TCGCAATACGCTGCCGCTGTCCGCCCGACAAGCCGGCCCCTTGTTCGCCCACCACGGTGC TAATGCGTTCCAGCGGCATACCCGTATCCGTCAGCGCGATATTGTCGCGTATGCTGCGGT GCACCAATTTGGTGAGTGTGGATTTGCCCGACCCCGAACGTCCCACAATCCCCAGCACTT CCCCCGCCGAATCCGCAGGTTCAAATCCTGCAAAATCAGCCTGCCGTCCGCCTTATAGC GGAAATCGACATGTTCGAACGTAATCTCCCCCGGATATCGGGCAAAGCCAAATGCGAAG ACGCATTCTCGGTCGGCGCATTCAGAATATCCCCCAAACGCGCCACCGAAATCCCCACCT GCTGGAAATCCTGCCACAACTGCGCCAAACGGATAACAGGCGCCGCCACCTGTCCCGAGA GCATATTAAACGCAATCAGCTGCCCCACCGTCAGCTTGCTCTCAATTACCAGCCGTGCGC CAATCCACAACGTCGCCACCGTCACCAGCTTCTGAATCAGCTGCACCCCCTGCTGGCCGA

CCACCGCCAACTTCGTTACCCGAAATCCCGAAGCCACATAAGCCGCCAACTGATTGTCCC **AACGCTGCGTCATCTGCGGCTCCACCGCCATCGCCTTTACCGTACCCACCGCAGTGATGC** TTTCTACTAAAAACGACTGGTTGTCTGCATTGCGCGCGAACTTATCGTTCAGACGCGTCC CCCAAGTCAGAGTGGAGCTGTAATACCACATCACCGCCAGAAAGATAAACGAAAACGCCA **AATCCAACACGAAGTCAGCGCCTGACCGGTCAAGAAATTGCGAATCTGCTCCAATTCCC** GCACCCGAGCCACCGTATCACCCACTCGTCTGTGCTCGAAATAGGATAAAGGCAGGGAAA GCAGATGCCGGAACAAACGCGCGCCCAATTCCACATCAATACGTGAAGTCGTATGTGCAA ACAGATACGTCCGCAAACCGCCCAACACATCTCAAACAGCGACACCACCAACAAAGCCA CCGACACCACATCCAAAGTAGAGAATCCCCGATGTACCAGCACCTTGTCCATCACCACTT GGAAAAACAGAGGCGTAATCAGCGCAAACAGCTGCAACACCACCACCACCACAATACTT CAAAAAACAACCGGCGGTATTTGATTACCGCCGGAATAAACCAGGTAAAGTCAAACTTTG CCAAACTGCCCAATACCGAAGCGCGGGAAGCAACCAATATCAGTTTGCCCGAATATCTGT TAGAAAATTCGGCAAAAGACAATACCGCAGACTTATTCGTAACCAAATCCTGTATCAAAA ATTGGGCATGCTCACCCTCACCGTCTGTTTTGGCCAAAATGAAATGGTTGCCGTCATCAC ACCATACCAATGCGGGTAAAGTCGCCATAGCCAAACGTTTAATAGGCTGGCGGACTACCT TTGCCTTCAATCCCAAAGATTTGGCGGCTAACAGCCATTGCGTTTCATTTAAATCGCTCT GTGCGGAAGTACAAAATTCATGCTGTATATCGGCAGGATTGGCGGCAATGCCGTGGTAAT GGGCGAGGATGATGAGGGCGGAAAGGGCGGGGAGCGGTGCGGATACGATAGACATAAATA AAATATAGTTAGATTGGATGTGGATAACGGCTGGCTGGAAAAGGAATATATTAAGTAGAA GAAAGTATGGAAAAGTTCTCGTTTCAGGAAGGTAAAACGGCTTAGGAATCGAGTTAGATG AGGATGCCTCGCACCTCTCGTGCCTCCTGCATACCGTTAAGGCACAGGGTTAAGGTGCAG GCTGCTCCGAACTCTGTTGCGGTCGGGTAATGTTATTTTTTGTGTTTCAGGCAGCCTGAA ATATCTGTATATTTTTGTTTTAAATAGATTTTAAAGATTGATAACTGTTCTTGACGATTT TTCAAGAAAGGAGTAAATTTCAAGAAAGGAGTAAAGTGACTTATTATCAATGACAAGCAA CGCGCGAAGTGACAAGGAAAACTATCTACTTAAATTCTAAGGAGGCTTCGAATATCATAA **ACCAATCAGAAACATAGAGATAAAAATTATGTACAAATATAATCCTCTTATACAATTTAT** TGCACAGTTGATTATGTCTTATGGAGCAAGCGTAGGGTGGGCACTTGCTGCCCCACGCGT TTCATATTTCAAGGCAGCCTGAAACCGTGTGGGCATAAATGCCTACCCTACATCCCAAAA AACAAGCGCAGCCTGCGTGTAGGGTGCGAACTTTCGGCAGGTAGACACGCAGTTTTAT **ATTTTCAAGCTGAGGGATGCTTAAGAAAAGTACAAAACATTAAAAAATAAGGGGCTGTAC** TAGATTAGCCCTAAATCCACACCAATCCCGCAAGATTTTTAGCTGTCGGGACGGTGTGCC GAAGTTAAATCGAAATTCGCATTCTTTCAAGAACAGCGGGAAAGATTTGCGATCAATTCC GTTCTATTTGCGCAAGACGCGTTTTGCCTGATTCCAAAAGTTCTCAATGCCGTTTATGTG **GTTCTGACGGTCAGCAAATTCCTTGGAATGGTTGATGCGGTAATGGATAAAACCGCTTAC** GTCCAACTTGTCGTAACTGCTCAGGCTGTCGGTATAAACAATGCTGTCCGGCATGATTTT CTGTTTGATAACAGGCATTAAAGTATCGGACTTGGCATTATCTACGACAACGGTATAGAC CCGTCCGTTACGTTTCAGAATGCCGAAGACAACCACTTTTCCTGCCGCACCGCGACCACG TTTGCCTTTACGCCGTCCGCCGAAATAGCTTTCGTCCAACTCGACAGAGCCCTCGAAAAC CTCATTGGCAGCCAAGGCCAGATAATGGCTGATGACCATACGGATTTTGCGGTAGAACAG GACTGCCGAATTGGGATGGATACCCAAAATATCGGCAGCAGAACGGGCGGTAACTTCGAG **ATCTATAATGCCAAGAAGAGTTGTTAAGACATAACGATTATTGAAATAGATTGTAAAATA** GATACTTAGATAGTCTGAAAAACGGATTTGTGAAACTTTTTATTACGCGCCATCATTTGA AAATGAAACTTAAAAAACACTTATCATAATAATATTTTCTTTACGTTGTTTGCTAATAA ACTCAGTGCAATATCAGCGCAATATTTTATGGAAATTTTATGGATAACAAAAAAGAATTT ATTAATAATTTAACAAATAGGTATATGTGGATCTATCCATTGGTCTTAAATATTCTATTT GTTAGAAAAATGCAAAGCTTAGATTTTAAATTACAAAATCATATTGTATTGTTAAATATA AAAAGTGCTTGGGCAGATAAAAAAGTATTTTTGATTAGGATAGTAGTGTCATGGTTGGCA GTAATGGAAATATGGATGTTTTTTTTCGGAATCATCAACGTGGGTATGCGGTGCTTTT TGTTTAAATAGTGAAATATTGGAAAAATTTTTCGTGGCTTTGGTTATTCTGGTAGTTTA TTTTTTGTTTGACTTAAACTCAAGGAGAGTAACAATGATTGGTAGTGGTGATACTAAACA ATGCAAAAAATTTTCTGCGTGTGATGGAAAATACCACGTCTACGATCCCCTCGCCCTAGA CTTGGACGGCGACGCCATAGAAACAGTCACCGCCAAAGGCTTTTCAGGCAGCCTGAAGAC TGAGAGAGTGAATACGATGAGTATACACTCTATGCCACTAAATTGATATTCACTAAATCA TACCAGCTATATTTATTTAATGAGACATATGAAAAATAAAAATTATTTACTAGTATTTA TAGTTTTACATATAGCCTTGATAGTAATTAATATAGTGTTTTGGTTATTTTGTTTTTCTAT TAGAAAAAACATAAAAAACAAATTATTGTTTTTTATTGCCGATTTCTATTATTATATGGA TGGTAATTCATATTAGTATGATAAATATAAAATTTTATAAATTTGAGCATCAAATAAAGG **AACAAAATATATCCTCGATTACTGGGGTGATAAAACCACATGATAGTTATAATTATGTTT** ATGACTCAAATGGATATGCTAAATTAAAAGATAATCATAGATATGGTAGGGTAATTAGAG TGGTTTGTGGTATTCATTCATATGCTCCATGTGCCAATTTTATAAAATTTGCAAAAAAC CTGTTAAAATTTATTTTTATAATCAACCTCAAGGAGATTTTATAGATAATGTAATATTTG AAATTAATGATGGAAACAAAAGTTTGTACTTGTTAGATAAGTATAAAACATTTTTTCTTA TTGAAAACAGTGTTTGTATCGTATTAATTATTTTATATTTAAAATTTAATTTGCTTTTAT ATAGGACTTACTTCAATGAGTTGGAATAGTTTTGGTAATTTTATGAGCGCACGCTCATCC · GCGTTAGCAGAATTTGGAAATATGGTTGCTAATTTAGTTTCTGCAAAAAATGAGAAAGAT ATCTCGAAACGTAATGAATATTACAAACAAGCTGGTTATAGTGCATTATTAGCATTTGGT

AATTTGGCTAGTAATATTGCACCAGGTAGTACGTCATCGCATATTGTAAACGGAACAAAT GCCTCTGTGATTGCAAGCCGTCTCTCTGGAAATATATCTTCAGCTATTCAGGAGCATAAA GATGGTAAAGTTAATATCAACCGTTTTCAAAATATTTTAGCGGATTTATATTCATTGGGA GGGTTAGGAAGTACATTAATAGAGAAGAATGGAAATATGCAGAGTTGGGGGATTCCATTA GCAATTGCTGGAGATATAATTGCAGCAACGGCTATTGCCACAGGAGATACTGGTACGATA TCTACAGAGGAATTTTATAATTTTGACAACTGGAAAGGTTTTGGGTATGAGCTATTTGAA GACTGGTCTCGTTGGGTATACGACTGGCTGCCCGACGGCTGGAATCTGTGGAAAGAATTG GACAGAAACCGTTCAGGCCAATACCACATCTACGACCCCCTCGCCCTAGACCTAGACGGC GACGGCATAGAAACAGTCGCCGCCAAAGGCTTTTCAGGCAGCCTCTTCGACCATAACGGC **AACGGCATCCGCACCGCCACTGGCTGGGTTTCTGCCGATGACGGTTTACTCGTCCGCGAT** TTGAACGGCAACGGCATCATCGACAACGGCGCGGAACTCTTCGGCGACAACACCAAACTG GCAGACGGTTCTTTTGCCAAACACGGCTATGCAGCTTTGGCCGAATTGGATTCAAACGGC GACAACATCATCAACGCGGCAGACGCCGCATTCCAATCCCTGCGTGTATGGCAGGATCTC AACCAGGACGGCATTTCCCAAGCTAATGAATTGCGTACCCTTGAAGAATTGGGTATCCAA TCTTTGGATCTCGCCTATAAAGATGTAAATAAAAATCTCGGTAACGGTAACACTTTGGCT CAGCAAGGCAGCTATACCAAAACAGACGGTACAACCGCAAAAATGGGGGGATTTACTTTTA GCAGCCGACAATCTGCACAGCCGCTTCACGAACAAAATGCTATCCATTAGCCATGTTCGG GAAAACACGATTTCCCCGTTTGTTTTAGGCTGTCTAAACAAATAACCATAAATGTATATC ATTATTTAAAATAAATAAAGTATTTAACTATTATTGACGAAATTTTAGAGAAAGAGTAG ACTGTCGATTAAATGACAAACAATAGTGAGAAAGGAAATATTTACTATCCGAGCACAGAG CATATTTTAGGTAGCCTGTAACTGTTCCTGCTGGCGGAAGAGGATGAAGGTTGACTTACC CGAGAATAAATGTCCTGTTGTGTGATATGGATGCCATGCCGCGAAGCAATTGATGCAATC ACGGCAGTCCTACTTGAATGAAACCTGTCGTTGCAGAATTTGAAAACGCTATTTTTAAGA AAGGATAAAGGGAGAAAGAATTTTTGGTTTTTAAGCTGCATGAAACCGTGTTGGAATAAA TGCACACCTACGATAATTAATAATTTTCGTTTTTTATTCTACAAGCTATTTATATATGAT TGCTAAAAGTTTATTTTTAGATGCCAAAAAATATATTTTATATACTTCATATTGTTTAT ATGTCTTTATTTGAATATATCTTACGATGGGGAAATATTTATATATTTTATAATAAATTT TACTCATTTGCTAATATGTCATGGAATATTACTTGTATTTTTGTAGAATTTTTCCATATGA AAATATTCCATTTACTATTTTCTGAACTTTATTAGTTTATTTTTAATATTTTTACCTCT CTTAATTTTAATTCCTCACGTTATTTTTTTAATTTACTTGAAAGGAAAGCAGATATGACA TCTGCAAATTTTAATATTAACGGTTTTGGAGATGTGAAATTAACACCCTATTCACCACTC TTGGGATATAAAGCTTGGGATTCATTTATTGGTTCTATTCAATCCTTATCTGATTTAATC TATAATGTGGATAACAATAGAAATAAAATGGAAATTACTGTTAATAATGCTATTCAAGCT GCAGATAGCTTTTTAAGCAGTAATTGGAAGAGATAACAAAATAACAAAATAA CAAATACTGCTTCTTTACTTGCATCCTTCGATAACATTTTTTAAATTTAAGAAATGTATC TCGAGATATACGAGAAACAGGAAAATTTAAACCTAATGATATTCAACAAGCAATTGGTGA TCAAAGCAAATTCTTACCAACTAAATTAAAAACTGGTTTAAATGATGTCCTTAATTCTAG AATGCTAAAATCCTCTACTGTTTTACAGCATGAATTGAATTAAATAAGGATTATGGAAAC GAGAGGCTTGGCGAATCTATAATGAATATAGATGATTTTACACCAAGTAAGATAGCAAAC TTTTTTGCGGATCCTGATACATACAGCAATGTATTAGAAGAAGTATCTAGGTTTATATAT TCCTTAGTTCCTGATGATGCAAACCCTTGGAAAGGGGGCGAAGATTATATTGGACGAGGG ATAAGTGAATGGGGAGAGTTACTGGAAAAATGGTATAAACAAGATTTTCTCCCTTATCTT GAAAAGAATGGGACCAATTTCCGAAATTTGAAGATTGGCTGCCTGAATTCCCTGAATGGG ${\tt CAAGAGAGTGGTTGAAATTAGCTCTCAAACGTTCAGGCAAATATAACGTTTACGATCCCC}$ TCGCCCTAGATTTGGACGGCGACGGTATAGAAACCGTTGCCACCAAAGGCTTTTCAGGCA GCTTATTTGATCACACCAACAACGGCATCCGCACCGCCACGGGCTGGATTGCTGCATATG ACGGTTTTCCTGTGCGCAAATTAAACAGTAACGGGGGCATTATTAGCACGACAGATACCA TATTCCAATCTTTGCATACATGGCTTGATCATCAACCAAGATGATATTTCCCAAGCACAG CATGATGCATGCCATTGAAAAATATAGAAAATTAATTGAAAGCTTAAATGGATATTGAAA CGTATAGCAAATCATCTATAATAATTTTTTTCTTCGTATGTTGTTTATTATATAATTTACA ATTATCAATTTAATTACCTTTCGCTTTTAATTTATTATTATCCAATATTGTGCAGTATAT ATATGTTTATATTTTTTTAGGGAAAACTAAGGATACATTAACGACAGAGCGAAGAAAAA **AATTTTTTAATTCTATTTTTCCACTTAGAATTCTAATGATAATAGGTTCTGAGAAAAAGA** GGTTAGGCATCGGTAGTTTTTATTTGCTAAACCTACTATGGATTATTTGGTGTCTTATGA TTCATAGAGAACAAGTCCCATTAAATAACTTAACCCTCCTATTATCCTTCATATTTTCAT TAAGAGAGGCTTAATATGGTTAATCAAATCAAATCTGATAATAATTCAGTTTCTATTGAA CGTAAAAATTTTTATACACAAATGTCAACTGATTCTACCAATTATGCAGCCAAACATGAA **AGTTTAGGAAAATCGGTACAACGTGAATTACAAAAAACACAAAGTCAGTTGAGACAAGTT** GTAAGAAAATGCAGAGTAAATATAATATAAATAATAAAGCACGAGTAGCAGAAATATCT TTGTTAAGGCAAATGCAAAGCCAATTTTCTCGAAAATATGTAAACAAAAATCTTGGTAAC AGCAACACTTTGGCTCAACAAGGCAGCTACACCAAAAAAGACGGCACAACCGCGCAAGCA GGCGATTTGCTGTTGGCTGCTGACAACCTGCACAGCCGCCTCACGGACAAAATGCTATCC **ACCATAAATGCATATCATTATTAAAATAAATAAAGTATTTAACTATTTTGACAAAAT** TTTAGAAATAGAGCTAGAGTTTTAGTTAAGTAGAAATTGATAGTGCTTCAAGGGAAGTAT TCTCTATGTTTGCATTAAAGGGGGTCTGATAAAGCTATTATTCATTACTATGGACTTTTA TTTCATTATTTCAGGCGGAAATCTCATAGCCGTTTTGAATTTTTCTCTTCTTATTAAT TATACAAATAATTAGTATATTCTGATATGGATTTTTTGGAAATTTTTATTATGTCTGCAT TTAGAAAAATATTATTAATAATATCTTGCCTATTGATTGCTAGCTGCAGTTTTGTTGAAA . CTATTTTTTATATGGCTATTAGCCCAGAACCTGTTGTGGTAGACTTTCCTCTTGGTAAAA

AAACAAAAAGAT CTATTGAACTCAAACAGAAAATTGGTAAACCTTATGCAATATCGTTAG GAACTAATTTT A TACATTATGATCCAAAACAGGGGGAGAGGTGGATTGATGATAAGTTAA **ACTATCCATATAATATATCGGTTAAAATATTTAAAGTGGAAGAAGATGGTAAAAAACTTA** TTATAGATGAGTTGCTTACAGAGAGAAGTAGAAAATTAGGAGGCGGAGTATTTGGAGCTG TAGTAGTTAATGCACGAATTCAGTAAATTTTTCTAGAAATGTGGGGTTACTTATGGCTGA TTATTATGCGATAACTGTAAAATTTGCGAAGCAGGGTACGCCACTGAAACAAGAGGGGGT GTATCCAAGACGGGTACGTTTGGGTTGAACTGTATTCGGCTAGAGATAAAAAAATCGGGG CTGTACTAGATTAGCCCTAAATTCCACACCAATCCCGCAGGATTTTAAGCTGTTGAGACG GTGTGCCGAAGTTAAATCGAAATTCGCATTCTTTCAAGAACAGCGGGAAAGATTTACGAT CGATTCCGTTGTATTTTCGCAAGACGCGTTTTGCCTGATTCCAAAAATTCTCAATGCCGT TAATGTGGTTCTGACGGTCTGCAAATTCCTTGGAATGGTTGATGCGGTAATGGATAAAAC CGCTCACGTCCAACTTGTCGCAGCTGCTCAGACTATCGGTATAAACAATACTGTCCGGCA TGATTTTCTTTTTGATGACAGGGAGTAACGTTTCAGACTTGGCATTATCTACGACAACGG TATAGCCCCGTCCGTTGCGTTTCAGAATGCCGAAGACAACCACTTTTCCTGCCGCACCGC GACCACGTCTGCCTTTACGCCGTCCGCCGAAATCGCTTTCGTCCGGCTCGACAGGGCCCT CAAAAACCTCATCGGCAGCCAAGGCCAAATGATGGTTGATAACCGTGCGGATTTTACGGT AGAACAGTACTGCCGAATTGGGATGGATACCCAAAATATCGGCGGCAGAACGGGCGGTAA TTATCTTCATATTTCGAGGGTAACATATCTGCTAATCTAGTACAGCCCCAAAAATATACC AAAAACAGCAAAACAAATTGTAAGGATAGGTATAGGCTTTGTAAAGGTAAATTGTGAAAA AAGCAGTTTTTTAAACGAATGAAACGGCTTCGGGCTGAAATATATGCTGATGCCCTGTCC TTCCCGTATATCTTGTGTGTTGTCAAAGTGCAGGCTGCTTTGAAATCGGTATTGCCATCT ATGAACCACCACTTTGTTTTATTTCAGCGGGCTTGAGATGTGTATAAGAATATTGTTTTG AATAAATTTAAAAAAATGATAATCGTTATTGACGATTTTTAAAGGAAAGCGTAGAGTGCC AATTCTATGAAGCAATACGGTAAGTAACAATGAAAATATCTACTGCTTGGGTATAGAGCA TATTTCACAACCCGTAACTATTCTTGCGGAAACAGAGAAAAAAGTTTCTCTTCTATCTTG GATAAATATATTACCCTCAGTTTAGTTAAGTATTGGAATTTATACCTAAGTAGTAAAAG TTAGTAAATTATTTTTAACTAAAGAGTTAGTATCTACCATAATATATTCTTTAACTAATT TCTAGGCTTGAAATTATGAGACCATATGCTACTACTATTTATCAACTTTTTATTTGTTT GCAGTAAGTGCGCAACAGGCTAAAGAACAAACCAGTTTCAACAATCCCGAGCCAATGACA GGATTTGAACATACGGTTACATTTGATTTTCAGGGCACCAAAATGGTTATCCCCTATGGC TATCTTGCACGGTATACGCAAGACAATGCCACAAAATGGCTTTCCGACACGCCAGGGCAG GATGCTTACTCCATTAATTTGATAGAGATTAGCGTCTATTACAAAAAAACCGACCAAGGC TGGGTGCTCGAACCATACAACCAGCAAAACAAAGCGCACTTTATCCAATTTCTACGCGAC GGTTTGGATAGCGTGGACGATATTGTTATCCGAAAAGATGCGTGTAGTTTAAGCACGACT ATGGGAGAAGATTGCTTACTTACGGGGTTAAAAAAATGCCATCTGCCTATCCTGAATAC GAGGCTTATGAAGATAAAAGACATATTCCTGAAAATCCATATTTTCATGAATTTTACTAT ATTAAAAAAGGAGAAAATCCGGCGATTATTACTCATCGGAACTATCATAGGTATGGAGAG AACGATTACAGCACTAGCGTAGGTTCCTGTATTAACGGTTTCACGGTACGGTATTACCCG TTTATTCGGGAAAAGCAGCAGCTCACACAGCAGGAGTTGGTAGGTTATCACCAACAAGTA GAGCAATTGGTACAGAGTTTTGTAAACAATCCAAGTAAAAAATAATGGGGCTGTCCTAGA TAACTAGGATAAACTCGATTTTACTAATTGTTTTAAAATGGAACAAGAACTTTTATCTCA CTGTTGTTAAAACGCCATTCGCACTCCTTTAAATACAGCTCAAAATGCGCTTTGGGAATG CCGTTAAACTTGCGTAAATGACGTTTTGCCTGGTTCCAAAAGTTCTCAATTCCATTAATA TGGTTTTGTCGTTCAGCAAAATGTGTGCTGTGATTGATACGAAAACGAAGTTTCAGCGAA GCTAAAATGGCTAAATTCGCGCACATCTAATACATCATAGCTACGATAACAATCCGTATA AATAATGCTGTCAGGTTTCACTTGTTCACGGATAATAGGAAATAAAGTAGCGGTTTGAGT ATTCGGTACTGTAACCGTATAAACCTTACCATTTCGCTTCAAAAGACCGAATACGGCGAC TTTACCGGCAGCACCGCGACCGCGTTTGCCTTTGCGTTGTCCGCCAAAATAACTTTCATC TANACGATGAAAATAATAGGCTGCGGTATTTTTATTAACGCCTACTAACTCTGCCGGT TCTTGCAGTTACACCTGTGACAAATAGCTCAATGAGTTTATTTTGTTTATACTGGCTTAG ACGACTTTTTCTCATAGGGATAATTCTAACTTAATTTGAATTTCCCTAGTTATCTAGGAC AGCCCCTATTCTTTAACTAATTTCTAAGCTTGAAATTATGAGACCATATGCTACTACCAT TTATCAACTTTTTATTTTGTTTATTGGGAGTGTTTTTACTATGACCTCATGTGAACCTGT TAATGAACAAACCAGTTTCAACAATCCCGAGCCAATGACAGGATTTGAACATACGGTTAC ATTTGATTTTCAGGGCACCAAAATGGTTATCCCCTATGGCTATCTTGCACGGTATACGCA AGACAATGCCACAAAATGGCTTTCCGACACGCCAGGGCAGGATGCTTACTCCATTAATTT GATAGAGATTAGCGTCTATTACAAAAAAACCGACCAAGGCTGGGTGCTCGAACCATACAA CCAGCAGAACAAAGCACACTTTATTCAATTTCTACGCGATGGTTTGGATAGCGTGGACGA TATTGTTATCCGAAAAGATGCGTGTAGTTTAAGCACGACTATGGGAGAAAGATTGCTTAC TTACGGGGTTAAAAAATGCCATCTGCCTATCCTGAATACGAGGCTTATGAAGATAAAAG ACATATTCCTGAAAATCCATATTTTCATGAATTTTACTATATTAAAAAAGGAGAAAATCC GGCGATTATTACTCATTGGAATAATCGAGTAAACCAGGCTGAAGAAGATAATTATAGCAC TAGCGTAGGTTCCTGTATTAACGGTTTCACGGTACAGTATTACCCGTTTATTCGGGAAAA GCAGCAGCTCACACAGCAGGAGTTGGTAGGTTATCACCAACAAGTAGAGCAATTGGTACA AAGTTGTTTTAACACCAGAACAAATCCAAACCTTGCGTGGTTATGCTTCCCGTGGCGATA CCTATGGCGGTTGGCGTTATTTGGCTAATTTGGGTGACCGTTATGCGGATGATGCTGCTG CAATTGTCGGTAAGGATGCAAACTTAAATGGTTTGAATTTATGGATGAAAAAAGGTGTGG AAAACCTATGGGATGATACGGTCGGTAAAAAGACCCGTTTAGAGAAATTTGATCGGGTTG CACTGCAACATTTCAGGCAATATGCGCGTCTAATTAATCAAAATAATGGTAGATTACCCA **ATACTAGTGAAATTGAGAGAAGTTACTATAAAGCCGTTACCGATAATGGCGTTTCTTCCA** GTGCAGCTATTGATTTAGTTATTAATCGTTCACTTCCGGATATGGCGGATGGTTATTGGG ACGGTAGCGAAAGGGATAATAGAAAGCAGTTAATATCTGCTTTAGATAAAGGATTTGATG TAGGTGTTGAATATACAATAGATGGTTGGCAAAAAATTGGAGGTTGGGGTAATGGGATAA TCAATGATTTATATAAAAGTGTTGTAAAAAGAGAGTGGACTGGAATATTTGAGATCGTTA **ATANTANCATCAAGCAAGGAAATGAAGCTTTTAAAAATGAAATCAATAGCTTGGTTCATG** ATATGAAAGCTGCTGGCAAGGAATTTGGAGATGACTTAAATACACAGTGGAATAATCTCA CTCAGGCTGCCGAAATAATCTATAATGACATAGTAGACAATACTAGTCAAGGAATAGAAA AAGGTGTCAAAGCCATTAAAGAATTGTCTGAAAAAATGAAAAATGCTGCTTCCGATTTGG CTGACGGTTCAGCAGAGAAAGCTAAACAAGTAGTGGAAGATTTGGCTCAAGCCGCCAAAG **AAGCATACGAAAATGCCAAATCCACAGCCGAGAAGGCTGCTCAAGCAGCTCGAGAATTTT** TTAAGGGCTTGCCCAGTTTTAAAGATCTGGCCGAAAAATTTAGAGATCTGTTCCCAAATC CGGAAGGCTGGATCGATGATGGTCACCAATGTTTAGCTCCTTGGGTTAAAGAAACTAAAA **AACGCAATGGCAAATATCATGTCTACGACCCCCTTGCCCTAGACCTAGATGGCGACGGTA** TAGAAACCGTTGCCACCAAAGGCTTTGCAGGCAGCTTATTTGATCACACCAACAACGGTA TCCGCACCGCCACCGGTTGGGTTTCTGCCGATGACGGTTTACTCGTCCGCGATTTGAACG GCAACGGCATCATCGACAACGGTGCGGAACTCTTCGGCGACAACACCAAACTGGCAGACG GTTCTTTTGCCAAACACGGCTACGCGGCTTTGGCCGAATTGGATTCAAACGGCGACAACA TCATCAACGCGGCAGACGCCGCATTCCAAACCCTGCGTGTATGGCAGGATCTCAATCAGG ACGGCATTTCCCAAGCTAATGAATTGCGTACCCTTGAAGAATTGGGTATCCAATCTTTGG **ATCTCGCCTATAAAGATGTAAATAAAAATCTCGGTAACGGTAACACTTTGGCTCAGCAAG** GCAGCTATACCAAAACAGACGGTACAACCGCAAAAATGGGGGATTTACTTTTAGCAGCCG ACAATCTGCACAGCCGCTTCAAAGACAAAGTGGAACTCACTGCCGAACAGGCAAAAGCCG CCAATCTTGCGGGCATTGGCCGTCTGCGCGATTTGCGCGAAGCTGCCGCATTGTCCGGCG ATTTGGCCAATATGCTGAAAGCTTATTCTGCCGCCGAAACTAAAGAAGCACAGTTGGCAT TGTTAGAT AATTTGATTCACAAATGGGCGGAAACCGATTCGAACTGGGGCAAAAAATCGC CAATGCGACTTTCAACCGATTGGACGCAAACGGCTAATGAAGGTATTGCACTGACACCAT CCCAAGTAGCACAACTAAAAAAGAACGCTTTAGTTTCCCTTTCTGATAAAGCTAAAGCAG CTATTGACGCCGCCCGCGACCGCATTGCCGTGCTTGATGCCTACACGGGGCAGGATTCCA ACACACTCTATTACATGAGCGAGGAAGATGCGCTTAATATCGTCAAAGTAACCAACGATA CATACGACCATCTCGCCAAAAACATCTACCAAAACCTGTTGTTCCAAACCCGTTTGCAGC CATATTTGAATCAAATCAGTTTCAAAATGGAAAATGATACGTTCACTTTGGATTTTAGTG GTCTTGTTCAAGCATTTAACCATGTCAAAGAAACTAATCCGCAAAAAGCTTTTGTGGATT TGGCCGAGATGCTTGCATATGGCGAACTTCGTTCTTGGTATGAAGGCCGAAGACTAATGA CCGATTATGTGGAGGAGGCAAAAAAAGCAGGTAAATTTGAAGATTACCAGAAAGTGTTGG GTCAGGAGACCGTTGCATTATTAGCTAAAACATCGGGTACGCAAGCAGATGATATCCTGC AAAATGTAGGCTTTGGTCATAATAAAAATGTTTCTTTATATGGTAATGACGGCAACGACA CTCTAATCGGCGCCCCGGTAATGACTATTTGGAGGGCGGCAGCGGTTCGGATACTTATG TCTTCGGCGAAGGCTTCGGTCAGGATACGGTCTATAATTACGACTACGCTACCGGACGCA AAGACATCATCCGCTTTACCGACGGTATTACAGCCGATATGCTGACTTTTACCCGAGAGG GCAACCATCTTCTTATCAAGGCAAAAGACGGCAGTGGACAAGTGACTGTTCAGTCCTATT TCCAGAACGATGGCTCAGGTGCTTACCGTATCGATGAGATTCATTTCGATAACGGCAAAG TACTGGATGTTGCCACTGTCAAAGAACTGGTACAGCAATCCACCGACGGTTCGGACAGAT TGTATGCCTACCAATCCGGAAATACCTTAAATGGCGGATTGGGCGATGACTATCTGTACG **GTGCCGACGGGGATGACCTGCTGAATGGTGATGCAGGCAACGACAGTATCTACAGTGGCA** ATGGCAATGATACGCTCGATGGAGGAGAAGGCAACGACGCCCTGTACGGCTATAATGGTA ACGATGCACTGAATGGTGGCGAAGGCAATGATCATTTGAACGGCGAAGACGGTAACGACA CTCTGATCGGCGGTGCCGGTAATGATTACTTGGAGGGCGGCAGCGGTTCGGATACTTATG TCTTCGGCAAAGGCTTCGGTCAGGATACGGTCTATAATTACGACTACGCTACCGGACGCA AAGACATCATCCGCTTTACCGACGGTATTACAGCCGATATGCTGACTTTTACCCGAGAGG GCAACCATCTTCTTATCAAGGCAAAAGACGGCAGTGGACAAGTGACTGTTCAGTACTATT TCCAGAACGATGGCTCAGGAGCTTACCGTATCGACGAGATTCATTTCGATAACGGCAAAG TACTGGATGTTGCCACTGTCAAAGAACTGGTACAGCAATCCACCGACGGTTCGGACAGAT TGTATGCCTACCAATCCGGAAATACCTTAAATGGCGGATTGGGCGATGACTATCTGTACG GTGCCGACGGGGATGACCTGCTGAATGGTGATGCAGGCAACGACAGTATCTACAGTGGCA ATGGCAATGATACGCTCGATGGAGGAGAAGGCAACGACGCCCTGTACGGCTATAATGGTA ACGATGCACTGAATGGTGGCGAAGGCAATGATCATTTGAACGGCGAAGACGGTAACGACA CTCTAATCGGCGGTGCAGGCAATGATTACTTGGAGGGCGGCAGCGGTTCGGATACTTATG TCTTCGGCAAAGGCTTCGGTCAGGATGCGGTCTATAATTACGACTACGCTACCGGACGCA AAGACATCATCCGCTTTACCGACGGTATTACAGCCGATATGCTGACTTTTACCCGAGAGG GCAACCATCTTCTTATCAAGGCAAAAGACGGCAGTGGACAAGTGACTGTTCAGTCCTATT TCCAGAACGATGGCTCAGGTGCTTACCGTATCGATGAGATTCATTTCGATAACGGCAAAG TACTGGATGTTGCCACTGTCAAAGAACTGGTACAGCAATCCACCGACGGTTCGGACAGAT TGTATGCCTACCAATCCGGAAATACCTTAAATGGCGGATTGGGCGATGACTATCTGTACG GTGCCGACGGGGATGACCTGCTGAATGGTGATGCAGGCAACGACAGTATCTACAGTGGCA ATGGCAATGATACGCTCAATGGAGGAGAAGGCAACGACGCCCTGTACGGCTATAATGGTA ACGATGCACTGAATGGTGGCGAAGGCAATGATCATTTGAACGGCGAAGATGGCAACGACA CTCTAATCGGCGGTGCAGGCAATGATTACTTGGAGGGCGGCAGCGGTTCGGATACTTATG TCTTCGGCAAAGGCTTCGGTCAGGATGCGGTCTATAATTACGACTACGCTACCGGACGCA AAGACATCATCCGCTTTACCGACGGTATTACAGCCGATATGCTGACTTTTACCCGAGAGG GCAACCATCTTCTTATCAAGGCAAAAGACGGCAGTGGACAAGTGACTGTTCAGTCCTATT .TCCAGAACGATGGCTCAGGTGCTTACCGTATCGATGAGATTCATTTCGATAACGGCAAAG TACTGGATGTTGCCACTGTCAAAGAACTGGTACAGCAATCCACCGACGGTTCGGACAGAT

TGTATGCCTACCAATCCGGAAGTACCTTAAATGGCGGATTGGGCGATGACTATCTGTACG GTGCCGACGGGGATGACCTGCTGAATGGTGATGCAGGCAACGACAGTATCTACAGTGGCA ATGGCAATGATACGCTCGATGGAGGAGAAGGCAACGACGCCCTGTACGGCTATAATGGTA ACGATGCACTGAATGGTGGCGAAGGCAATGATCATTTGAACGGCGAAGACGGTAACGACA CTCTGATCGGCGGTGCAGGCAATGATTACTTGGAGGGCGGCAGCGGTTCGGATACTTATG TCTTCGGCGAAGGCTTCGGTCAGGATACGGTCTATAATTACCATGTGGATAAAAACTCTG ACACTATGCACTTTAAAGGATTTAAAGCAGCAGATGTTCATTTTATCCGTTCCGGAAGTG ATTTGGTGCTTAGCGCTTCTGAACAAGACAACGTACGTATTTCCGGATTTTCTATGGTG AAAACCATCGTGTAGATACATTTGTCTTTGATGATGCAGCTATCAGTAATCCAGATTTTG CCAAGTATATTAATGCTGGCAATAATTTGGTACAGTCTATGTCTGTGTTCGGTTCTAATA CTGCTGCGACAGGAGAAATGTGGATGCCAATATACAATCCGTACAGCAGCCGTTATTGG TAACGCCATCTGCATAAGGAGCCTAATCACATTCATGGCTTAAACTGAAAAACAGCAATC TTAATCGGTGCACTTCTAGCAATATAGTGGATTCACAAAAACCAGTACAGCGTTGCCTCG CCTTACCGTACTATCTGTACTGTCTGCGGCTTTGTCGCCTTGTCCTGATTTTTGTTAATC CACTATAATTAATATGACTTTGCGGCCGTTTTGCCATTGCGTAATAAAACGATGGGGAAG TGATGATAAAACGTGTGTGTAACTATATCAGACGGCATTGTTTTTCTGTTTGACGGCCTC TGCGCTGCAATGCTTGTTTCACCAAGTTTTTGCGGTGCGGCTCGAGCTTGTTGCAGAGGT TGAACGCCTGCACTAAGCGGCCGCCGACCTGCGGGTTGAAGCGGTCGATTTCGATGACTT TGTCGGCGATGAAGCGGTAGCCGCTGCCGTCTTCTGCGTGGAAATGCGGGACGTTGCGGC TGAAGCTGCCGATGAGCGAACGGGCTTTGTTGGGGTTTTCGAGGCTGAATTTCGGATGCT GCAAGGCGGTTCGAACCTGTTGCAGGGTGTCGCTGCGGCGGCTTGAGCCGACGAGGGCAA **AATATTTGTCCATCACCAGCGCGTCGTCTGAAAACTTGTCGGCAAACTGCGCCAGCAGGC** GGTTGCGCGTATCGCTTTCGTTGCCGTTGACGGCGGACAGGATGCCCCATTCGTGGGTCA TGTTTTGCGCCATTTCGCCGTATTTTTCGGCAACGGTTTCGATGTGCGCGGGGTCGGCGC GCAGGACAAAGGCGCGGCAGACGTTGCGCAGCGTGCGCCAGCCGGCGGCTTCGGGGCTGT ATTCGTAGCTTTGGTTTTCCTGCTTCGCCGCCTGACGGTTCAATTCGTGCCATTTCGGCA GGAAGTGGACGGCAAGCGTATCCAACAAGGCTTCGCGCGCCTGATGGTAGCGCAGCGGGT CGATGTTTTCTGCGCCGTCCCACAGCTCGGCTTCGGATGGCACGCCCAAAAGCAGGGCTT TGAAGGCGTTGTCTAAGAGGTCGTCTGAAATGACTTTTTCGACGGCGGCAAGCAGTTTTT CGTGTTTCGGCAGCTCAACGCCGTCTGAAAGCGTGGCAAGGTTGGCGGCGACGGCGCGC GGTAGAGCGTTTGGGCGGCTTCCCAGCGCGTGAAGGCGTCGCTGTCATGGGCGAGCAGGA GCAGCAGGTCGTCGCTGTACGGATAGTTCAGATGCACCGGCGCGCTGAACCCGCGCA GCAGCGAGGGAACGACGGCTTCGGTTACGCCTTCGAGCAGGAAGGTCTGTTCGGCTTCGG TCAGCAGCAACACGGCTTCGGTCGCGCGTTTGCCCTGATAGTCGAATGCCACCGCTTCGC CGTTGCGGTTCAGCAGCCCGACCTTGACGGGAATCATCATCGGCTGTTTATCCGTCATAT CGGGCGTGGGCGCACGGTTTGTTTGACGGTCAACTCGAAAATATTGTTTTTCAGACGAC CTTCCGCTTCCAAAACGGGCGTGCCCGCCTGGCTGTACCACAAGGCGAACTGGTCGAGAT TGATGCCGTTCGCGTCCGCCATCGCCGCGGGAAATCGTCGCAGGTAACGGCCTGTCCGT CGTGGCGTTGGAAATAGAGCTTCATGCCTTTCTGGAAGCCCTCTTCGCCGAGCAGGGTGT GATACATCCGCACTACTTCCGCGCCTTTTTCATAAACGGTCATGGTGTAGAAATTGTTCA TCTCCTCATAGCTGGCGGGCGCACCGGATGGGCGGTCGGGCCTGCGTCTTCGGGGAACT CGCGGCAGGTTACGCGGTTGCCCGTCCAGTTGTGGAAATACTCGTGTCCGACCACGGATT CGATGCCTTCGAAATCGGTATCGGTGGCGGTGCGGCTGTCGGCAAGGACGAACTTGGTGT TAAAGATGTTCAAACCCTTGTTTTCCATCGCGCCCATATTGAAATCGCCCACGGCGACGA CCATGAAAATATCCAAGTCGTATTCCAAACCGAAGCGCGTTTCGTCCCATTTCATCGCGT TTTTCAACGATTCCACGGCAAAGCCGACCTTGGGCTTGTCCGCTTCGGTGGTGTAAAACT CGATTTTGACGTTTCTGCCGCTCATGGTGGTGAAATAGTCTTCCGTTACCGCCAAATCGC CCGCGACCAAAGCAAACAGATAGCTCGGTTTGGAAAACGGGTCTTCCCATTTCACCCAAT GGCGGCCGTCTGAAAACTCGCCGCCGTCGATTTTGTTGCCGTTGGAAAGCAAAACGGGAT AGCGTTTTTTGTCGGCGACGATGGTGGTGGTGAACTTGGACATCACATCCGGACGGTCGA TGTAAAATGTGATTTTGCGGAAGCCCTCCGGCTCGCACTGGGTAAACAAATTGCCGCCGG AAGCATACAGCCCCATCAGCGATTTGTTTTCCGCCGGCAGGATTTCGGTTTCCACTTCGA CGGTGAAGCGTTCGGACGCCCCCCCCAATCGTCAGCGTCTCTCCTTCCAACACATAAT CCGCCGCCGCCCGTTGATTTTGACGGACAAGAGTTTCGCCGAACCGTCCAACACCAGCG GCTCCCCTACCCTCTGCGGCTCAACCGTCAAACGCGACTTCACGACGGTTTGCGGTTCAT CTTCAGACGGCACGGGCGCATCCCGCGTATGCCGTCTGAAGCCGCAGCGGCGCACGGGC GCGCCGCCGGACAACCGGTTTGAATTCAATCTTTATTCCCACGCGCGGACAAACTCTTCC CAATGCGGCTTTTCCCCGGCTTGTGCGGACAGGTAATTCCGCATCCGTTTGATTTCCATT GTGTTTGCCGCGTCGGTTTCGCAATAATTGCGGATTTCCTTCAGCCTGCCCGTATGGAAT GCCTCCCAAACCTTGCTGCCGTCCATACCCAGCTTGCCCGGAAAACCGCACAGTTTCGCC ATATCGTCCAGCGGCACGTTTGCCCTCGGCTGGTAAAGCGCGAGCAAATCCATCAAATCG CAGTGGCGTTGGTGATAACGGCTGATGTAGTTGTTCCACTTGAAATCGCGGCTGTCGCCG AAATCGCCGTCGCCCATATCCCAATAGCGCGCGCGTTGATGCCGTATATCAGGGAGCGG TAATGCAGTACGGGCAGATCGAAACCGCCGCCGTTCCAACTGACCAGTTGCGGCGTATGT ATGGTGCCGACATGTACTTTATCCTGCCCCCAACGCATGCAGCACGAAATCGCCACAACC --TGATGAAGATGATGCTGCATAAAATCGCCGCCCGTCTGAGCACGGCGTTTTTGCTGGGCA AACAGCACCACTTCATCGTCGGGCAGCGAGGACGGCAGCTCGTACAATGTTCGGATACCC

TGCACATCGGGTACGGTTTCAATATCGAAAGCCAAAATCGTGGTCATGACAGCACCTTGT CGCCTGCGGCTTTACCCGCGTAGCTCAACTCTACGCCGGCAAACTTTCGTTTCACCGTTT CCGATGAAACCCCGACCAATCGCAAGACTGACCGGAAAATCCTTTCAGACGGCATTTCCT GCCTGTCGTGTAATTCCATGTAGCGAAATGTACGCCATTTTCTACGCTTTGCCAAGCATT TTTTACAATATAAATGTCAAAACATTAATTTTATAAAATTGCTGAAAATATTAAATATAT GGATTTTTATTTTTATATTTCAATAAATATAAATTTAATTTTGATTTATATTTAAATTT AACGCTATGTTTTTAAAGAAAATTAATTTTAATATATTAACTAGATTGTCTGCATATATT CATAGGTTTGCGGTATTTCTTCCAAAACCTGCTTCGAATTTCCCGACCAAGTCTTAAAAA TATTGTTTTTGAGATACTTAAATAGCAGCGATTATCAAATGAAATCTGTTCATATAATCT GCCATTTTGCATTTAAAAAAACAATCAGGAGTTTCGACTCGAAACGCCTGATATGTTTTG TAATTTTACGTAGTCAGTAAAAATCGGGGCTGCCTTCCGGACGGGTTTTAAAACGCTTGT GCAGCCAAAAATATTGTTCCGGATGTTCGCGCACCCTGTCTTCGATAAAACGGTTCATGC GCTGCGCGTCGGCTTTCGCGTCTTCACCCGGAAAGGATTTCCAAGCAGGTAGAAATGCA ATGTAACCGTATTGTCTGCCTCGCGGACGGGAATGGCGGGTATCACTTTTGCATTTGCAA GCGCGGCAATGCGGCTCAATCCGGTAATCGTTGCCGTCTGAATACCGAAAAAATCCACAA AAACCGAATCGTTGCGTCCGAAATCCTGATCGGGCAGATA CAGAAACGGCGCGCTGCTTT TGCGGAACTGTTTGACGAGGGCGCGCAGCCCTTCGGTGCGCCCGATAAGGAAGACGTTGT GATAGCGGTTGCGGCCTTTCAAAATCTGTTCGTCCAATATCTTGTTTTTTTGATGGGAAT **ACATACTGATCAGCGGGATATCCTGATTAAGCGCGTACACCGCCATCTCGAACGCGGTGA AGTGCGGATACAGGATGATGACTTTTTCCCCCGCCGCCAGCGCGTCGTCCAAATAATGCT** TATTGCGGTAGCGCACCAGCGATTTCAAACGTCCGGCAGGCGCGTACCAATATAAACCGT **ATTCCAACATCAGTTTCGCCATGTGTTTGAAATGCTGTTTCAACACGGTTTTACGCTTTT** CCTCACTCCATTCGGAAAAACATTTTGCCAAATTGATTTCGCCGATACGGCGGCGCGGTT TGACCAGAAGGTAGGCAAGCAAACCCGTCAGGTCGGCAATCTTGTGCAGCAGCGCAAACG **GCAGAAACTGCAAAACATACAGTACAAAAAATATAAATTTCATCTCGATACACATTTTCT** TTTCAGACGGCAAAATACAAATGCCGTCTGAAACTATTGAAACCTGCCGCGCTTGACCTG CATCCCGAAGGATTGAGTTTGGCGGCAAGCCCGTGGTTGCGTAAGGCGTGGGTCAGCGC GACGGCAAGACCGTCCGCCGCATCCGGCTGGGGCGTTCCCGAAAGTCCCAACATCTGCAC CACCATATGCTGCACCTGTTCTTTTGCCGCCTTGCCCTTGCCGACTACCGCCTGTTTGAC CTGCAAGGCCGTGTATTCCGAAACGGGCAGCTTATGGCTGACCAATGCCGCCAATGCCGC GCCCCTAGCCTGACCGAGCATCAGCGTCGATGCCGGATTGACGTTGACGAACACCTGTTC CACTGCCGCCTGTTGAGGCTTGTAAACGGTAACGACTTCGCCGATGTGCCGGACGATGAC GGCAATCCTGTCTGCCAGAGGCGCATCGGCAGGCGTTTTGATGCAGCCGGAGGCGACGTA AAAATGATCCCGCCCCTGACATCGATGACACCGAAACCCGTTACGCGACTGCCCGGGTC GATGCCTAAGATACGGACGCTTGCAGCCATATTCACAACAAACCGTGTTGAATCAGCTTC TTACGCAGGGTATTGCGGTTCAGCCCCAGCATCACGGATGCTTTGGACTGGTTGCCGCCG CATTGCTCCATCACGCACCACCAGCAGCGGTTTTTCCACCTGATGCAATACCATATCGTAC ACGCCGCAAGGTTCGGTACCGTTCAGGTCTTTGAAATATTGTTCTAAATTTTTGTCTGATG CATTGGGAAATATCGGGAAGGGTATGGGGCATGATTGCACTTTCAAAGGATAATCAAGTG TTCAGAAGGCATTTGGGCGGTAGGCGCACGCCCAACTGTCGGTTTTTTCGGCAAGTCTTT CAAGATAACCTGCAAGCATGTCGTATTGCGCCGCCGCACTGTCCAAGCGGTTGATTTCAC TGCGCACACCGGCGTGTCGCCGTAAAACGCGTGTATGGCGCGGATGTGGTTCAAAATAG CGGCGGCGCATTCTGCCAAACTCAAGGCAGGCGGCAAAACACCGTGTTCGGCATAATGTT TCAAATCGCGGAAGAACCACGGCCTGCCTTGCGCGCCGCGCCCTATCATAATGCCGTCGG CGGCGGTTTGTTTGAGGACGGCTTGGGCTTTTTGCGGCGAAGTAATGTCGCCGTTGACCC AGACCGGGATGTTCAGACGGCATTTGGTTTCGGCGATGAGTTCGTAACGCGCTTCGCCTT TGTACATTTGCGTACGCGTGCGTCCGTGGACGGCAAGGGCGGCGATGCCGCAATCTTCGG CGATTTTGGCGATGACGGCAGGTTTTGATGGTCGTCGTGCCAACCCAAACGGGTTTTGA GGGTAACGGGTACGCCTGCCGCACGGACGACGCCTTCCAAAATGGCGGCAACCAGCGGCT CGTTCTGCATCAGCGCGCTACCGGCTTGGACATTGCAGACTTTTTTAGCGGGACAGCCCA TGTTGATGTCGATAAGCTGCGCCCCAAGGCTGACGTTGTAACGCGCGGCATCCGCCATCT GCTGCGGATCGCTTCCGGCAATCTGCACGGCAACAATGCCGCCTTCATCGGCAAAATCGC TGCGGTGCAAGGTTTTTCTAGTATTTCTGAGCGTCGGGTCGCTGGTCAGCATTTCGCACA CCGCCCAACCTGCGCCAAAATCTCGGCAAAGTCGGCGGAACGGTTTGTCGGTAATGCCCG CCATCGGCGCAAGTGCGATGGGGTTGTCGATAAAATAGCCGCCGATGTGCATAATGGATC CGCGTTTCAAAAAAGTACGCCATTGTACATTTTTTAAGCAGGATTTCCAATCTCCGGACG CGCCGCGATTGGGTCGGACACCGTTTTATGGCATAATCCGCACACAGATTCCCTGCCCC GCCACTCACAGGCGGCAGTTTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGC CTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTAC TATCTGTACTGTCTGCGGCTCGCCGCCTTGTCCTGATTTTTGTTAATCCACTATATTTCC **AGTAATCCATTTTCCTCTTTAGGTTTGGGTACGGAACTCGTTTCCGCACTGACCGCGCAA** GGTTACGAAAACCCGACGCCCATCCAAGCCGCCGCCATTCCCAAAGCACTCGCCGGTCAT GATTTGCTAGCCGCCGCAAACCGGCACAGGCAAAACCGCCGCCTTTATGCTGCCCAGT CTGGAACGCCTCAAACGTTACGCCACCGCCAGCACCTCGCCCGCGATGCACCCCGTGCGT ATGCTCGTCCTCACCCCCACGCGCGAACTTGCCGACCAAAATCGACCAAAACGTGCAGGGC TACATCAAAAACCTGCCGCTGCGCCACACCGTCTTGTTCGGCGGTATGAATATGGACAAA CAGACCGCCGACCTGCGTGCCGAAATCGTCGTCGCCACCGTCGGACGGCTGCTC GACCACGTGAAACAGAAAAACATCCATTTGAACAAAGTCGAAATCGTCGTTTTTGGACGAA GCCGACCGTATGCTGGATATGGGTTTTATCGACGACATCCGCAAAATCATGCAGATGCTG

CCCCGCCAACGCCAAACCCTGCTCTTTCCGCCACCTTCTCCGCCCCGATACGCAAACTG

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TTTTGCCGTCGCCGCCGGGAATCGGGTGCATCATCGGGGTTTCGACTTCGAGATAATG CTCGCCCACCATAAAATTACGCACGGATTGGATGATTTGGCTGCGTTTGATAAAGGTATT GCGCGATTCTTCATTGGCAATCAAATCAACATAGCGTTGGCGGTATTTGGTTTCCTGATC GCTCAAACCTTTGTGTTTGTCGGGCAGCGGGCGTAGGGATTTGGACAGCAGGCGGATGCC GGACACGCGTACGGTCAGTTCGCCGTGGTTGGTTTTGAACAAAGTGCCTTCCGCGCCGAC GATGTCGCCCAAATCCCAATGGTTGAAGTCGTCCAAAACTTCTTGGCTCACGCCTTTGTT GTTCAGATAAAGCTGGATTTGCCCGGACACGTCTTGAATGGTGGCAAAACTCGCCTTGCC CATTTGACGCTTCAGCATCATGCGGCCGGCCACTTTGACGGGAATGCCTTGCGGATCGAG TTCTTCTTTGCCGATTTCGCCGTATTGGGCGTGCAAATCGGCGGCGAAGCTGTCGCGTTT GAAGTCGTTGGGATAGGCGTTGCGCTGTTGGCGGATGTTGTGCAGTTTTTCGCGGCGCAG GGCGATGATTTGGTTTTCGTCCAACTGCGGCTCGGTTTGCGGATGGTTTTGTTCGCTCAT AAGGTTTTCCGAAAAAATAAATCAGGCGCAATCTGTTTCAGACGACCTGACCGAATCACA AAATTTGCGCATATTTTACGCGATGTCGGCATTTTTTTCCATAAACGCGACAATGCCGTC TGAAAGCGGTTTGCGGTTTCAGACGGCATCGTTATCATTTGAACATTCCCGCCAAATTCA ATAAGAACAAAACGGTAAAACCGGTCAGATAAATCAAGCCTGCCAATGCAAGGGCATTCA TACCTGATGTGAGTTTGTGTTTTTCATCACCTTTAACCAAACGGTAATTCAGCCAGGCAA ACACAGGGGCGGACACAAAAGCGGCAATCATCGCAAATTTGAGCAGATTCGCCATTACGC CGTCAAACCAGAAAATCACCGCCAAACCGCTGCCCGCCACCCAAATATTCCAGGCAAAGA ATTCGGCGTTGCCCGTTTTGTCTTTTCCGCGCAGCAGCGCGCACGGGTTCGGCAATGGCAC CCACCAGCGGGCGCGACCAGCCGCCGATGGTAACGGCGTACATATTGATCAATTGCCCGA TATATTTGCCGCCCGCCATCTGCACTGCTTCGCCGTTGCCGTATTGCACAAACGCGCCCA GTGCAAGGAAAACCAAAGCCAAAACCGCACTGGCGATATAACCGACGTTGAAATCAAAAA TCCCGTCGCGGTATTCGGAAGGATTGATGCGTTGTTTTTCGGTTACCCACAAAGAATTGA TGGCGGAAATTTCAATCGGCGCGGCATCCAGCCCATCAGCGCGATCAGGAAGCCCAAAC CGGCAAGCGTCCACGGTGTCGGCTCGATAAAATCGGACTGCATCTGCATACCGCGCGACA TAGCGATGCCGGCGGCGGCAAGCGTGGCGATACTCAAAGTAACGATGATGATTTTGGAAA AGGCGGCAACCGTGCCGGCATCAAACATCAGCGAGGGAATCGCCATTTTGACGATGGCGG CGGTTACAATGGCGACCGCGCCCGCGTTAATCGTGGCGGAGAGGATGCACAAAATCAGGA ATACCCACAAATAAACGCGGCTTTTCTCGGCATAACCTTCAATCAGGCTCTTGCCCGTGT CCAGCGTGTAATGCGCGCTGAAGCGGAAAAACGGGTATTTGAAGAGGTTGGTCAGGATGA TGATGAGCGCGATCTGCCAGCCGTAAAGCGCGCCCGCCTGCGTCGAGGCAATCAGGTGCG AACCGCCGACCGCCGCCGAAGCCATCATGATCCCCGGACCCAATGCGTTGATTTTACTTT TCCAAGTCGAAATATGTTGTTCGGACATAAAGTCTTCCGTATTTTTAACTGTGTTTCAAC ACACAGAGCCGCATATTCGGACACAGCCCTATCTATTGCTCCAATTTGGGCGGGATTGCC CCCAAACAAACCCAAATCCTACCGTCTTCAAAAACAGGATACCGCCCGGTAGGGAAATTT CATGCTCAAACTTGACTATATTTTCCATATTACTTCCAAAAAAAGGCATAAAACGACATT TTATGCCTAAAATTTTACAACAAACAACCTTACATCGCTTTTTTCGCGCAAACACGCACC ATCCGATCAGCCCGTCCGTTTTGCAGCAGGCTGGCGATTTGATAAGATGGTTATGTTTTT CAGACGGCATTTCAGATTTCCGTCCATGCCATCTGAAGCCGCAAAACCCGATTGGAGGAA CTGTTATGAATACCGTATCGAATTATCTGTCCGCATTACGCGAAGCCATGAAGGCGCAAG GCTTGGATGCACTCGTCATCCCTTCCGCCGACCCCACCTGTCCGAATACCTGCCCGAGC ATTGGCAGGCGCGCGCGAATTATCGGGCTTTACCGGCTCGGTCGCACGTTTGTCCTGA CCACCGATGAAGCGGGCGTGTGGGTGGACAGCCGCCTATTGGGAACAAGCCGCCAAACAGC TTGCGGGCAGCGCATTGTGCTGCAAAAAAGCGGGCAAGTGCCGCCGTACAACGAATGGC TCGCGGCAAGCCTGCCGAAAACGCCGCCGTCGGCATCCCTTCCGATATGGTCTCGCTCA CCGGCAAACGCACTTTGGCGCAATCACTCGCCGCCAAAAACATCCGCATCGAACACCCGG TCCACGACCCCGACTATGTTTCTGAAACCGCCGCGAAAAACTCGCCCGCGTGCGCGCG TGATGGCGGAAAAAGGCGCGGATTACCACTTGGTTTCCTCGCTTGACGACATCGCCTGGC TTGGCAAAGACAACGCCGTCCTGTTTACCGACCGATGCCGTCTGAACGCCGAAGCCGCCG CCGCGCTGCAAACCGCCGGCATCGCGGTCGAACCTTACGCCCAAGTTGCCGACAAACTCG CGCAAATCGGCGGCGTGCTGCTCATCGAGCCGAACAAAACCGCCGTCAGCACGCTTGTGC GCCTGCCCGAAAGCGTGCGCCTTATCGAGGGAATCAACCCATCCACGCTGTTCAAATCCT GCAAATCCGAAGCCGACATCGCCCGCATCCGCGAAGCGATGGAACACGACGGCGCGCGT TGTGCGGTTTCTTCGCCGAGTTTGAAGACATCATCGGCAACGGCGGCAGCCTGACCGAAA TCGACGTGGACACCATGCTTTATCGCCACCGCAGCGTGCGCCCCAGGCTTCATTTCATTGA GTTTCGACACCATCGCAGGCTTCAACGCCAACGGCGCACTGCCGCATTACAGCGCGACAC CCGAAAGCCACAGCACCATCAGCGGCAACGGGCTTTTGCTCATCGACTCCGGCGCGCAAT ACAAAGGCGGCACGACCGACATCACCCGCGTCGTCCCCGTCGGCACGCCGAGTGCCGAAC AAAAAAGCGACAACACCCTCGTTCTCAAAGCCCATATCGCGCTTGCCGAAGCCGTGTTCC CCGAAAACATCCCCTCGCCGCTGATTGATGCGATTTGCCGCAAACCCCTGTGGCAGGCGC AATGCGACTACGGCCACGGCACCGGACACGCCTAGGCTATTTCCTCAACGTCCACGAAG GCCCGCAGCGCATCGCCTTCGCCGCCCCCCCCCCCACGCCCGAAACCGCCATGAAAAAAGGCA TGGTTACCTCCATCGAACCCGGACTCTACCGCCCGGGAAAATGGGGCATCCGCATTGAAA ACCTTGCCGCCAACCAAGCCGTCGCCGCCCCTCAAGAAACCGAATTCGGCAGCTTCCTCT GTTTTGAAACCCTGACCCTCTGCCCCATCGACACCCGCCTGATGGACACCGCCCTCATGA CCGACGGCGAAATCGACTGGGTCAACCGCTACCACGCCGAAGTCCGCCGCCGCCTCGAGC CGCTGACCGAAGGCGCGCAAAAGCGTGGCTGATCAAACGCACCGAACCGCTGGCGCGTT AAACAGCACGGCGCAAAAAATGCCGTCTGAAAGCCCTTCAGACGGCATTGGTTTCCCAAA ACATCCCGCACCGTTTTCATCTTGCCGCAAGCAAATATAGTGGATTAACAAAAATCAGGA CAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAG

CACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTA ATCCGCTATATTCCGCCATCTCTAAGATTTACAGCGATACACGGGTGATTTAAGGAATGC CCGAACCGTCATTCCCGCCACTTTTCGTCATTCCCACGAAAGTGGGAATCTAGAAATAAA **AAGCAGCAGGAATTTATCGGAAATAACTGAAACCGAACAGACTAGATTCCCGCCTGCGTG** GGAATGACAATTCGAGACCTTTGCAATAACATAGGTTACTAAAATTTTATGCTCAATCTC ATTTTCAAAATGCAAAACTTTTCTGATTTTTCCTACTTTTTGCTCAATATTAGGAAGGTT TTAGGCAATTGAAAATTTTTTGGCGCATTTTTATGCGTCAAATTTCGTTAACAGACTATT TTTGCAAAGGTCTCACTATATGTGCAAACCAAGCCAAAAATGCGAAATACCGTCTGAAAA TCTTTCAGACGGTATTTGCTGTCTTTATTGCCGTTTTTCTTCCGTATCCGGATTTTTGTT TGGGGCTGAAGCAGATTGGCAGTCAGATTGCAATCAAAGAATGAAGGCGAGCCGTCAAAA ACAAAGCTATCCGCTTCACCGCCCCGATATTTAGAATTTGTGGCGCAAACCGACGGAGGC GGCATTAATTTGAGTGTAGTTGCCGATGCCGGTATTGCGTTTCAGCCAAGCGCCAGACAC GATGGCGGAAGTGCGTTTGGAAAAATCATAATCAACGCCGGCGATGATTTGATCGTAGCT GGTATTTTCGCCTTTTTTACCGCGTTCGATAAAGTCGAAACCATGGGCATAGCTGATGCG TGGAACTGCATTACCGAAGCGGTAGGAAGCAGTGGCGGCAATTTCGGTCGTACTGTTTTT GGTTTTGTCGCCATTTTCAGACAAATCCAACTGAGCCGCCAAGGCGAGATTCAAGCCGCC TTCCTCATAGCCGCCCGTCAGACGGTGTACCTGATGGTTTTTCAAGGGATCGGTACCTTT GGCTTGATCACTCCCGCTGCCGATCAAGAACAACTCAAAAGCATTACGTCCGACATTGGC GTGTCTCGCATATTTAAAGGCATAGTTCCCGGCAAAACCGCCATTTTTGTAATTCAGACC GGCATAATACACATCCGATCCGGGCTTGCCGACAACAGCCGGAACGAGAGTAAGATTATT **GTTTGTATTCTTAGTATAATAAGCCGGCGTATAGGCGGACTTGCTGTTTTGGATCGGAAC** GAATTGAACGCTGCCGCTGAAACCGGAAAATTCGGGGGAATCGTAGCGTACGGAAACCGG CATGTCGTCGTGGCGTTTGAAAATACCCAATTGCGAAGCCACATCATTATTGCTGTCCCA ACCGAATTCGCCTGCCAAGCCGATAAAGGATTCCCTGTTGCCCCACTGGGTCGCGCCGCC GCCGGCAACGGATACGTCTTGCTCAAGCTGCCAAACAGCCTTCAGCCCGTCGCCCAAATC CTCACTCCCCTTAAAGCCGATAAACGAGCCGAAATCACTGATTTTCGTCCTGATGCGGCT TGCTTCAGTCAATTGCAGCTGGTAGTTCCTGCCTTCCACGCCGGCTTTGATTTCGCCGTA TAGGCTGACATCGGCAACGGCCGCAAGCGGCAGTGCGGACAATACGAGGGCGGTAAGTTT TTTTCGCATATCGGCTTCCTTTTGTAAATTTGATAAAAACCTAAAAACATCGGGCAAACA CCCGATACGTCTTCAATTATACCCCCCCCCCCCCGCAAAAAACCATTTTTCAGAACAAATAT CTGATAAATGCCGCAACCTTTATTTTAAAAATGATTATATTTTGATATAAAACAATAGCT TATTTTTCAAAAACGTTGTGTTTCTACAACACAATTCAAGCGCAGACCTCGTGCGAGCC GATGCGCTGCCCGGATGCAGTCTCGGCTTTTTAAAACGCCATAAAAAAACACACGCG **GCACTTTATAGTGGATTAACAAAAACAAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGA ACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATCTGTACTGTCTG** CGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCGCTATAAAGACCATCGGGCATCTAC **AGCCGTCATTCCCGCGCAGGCGGGAATCTAGAATTTCAATGCCTCAAGAATTTATCGGAA** AAAACCAAAACCCTTCCGCCGTCATTCCCACGAAAGTGGGAATCTAGAAATGAAAAGCAG CAGGAATTTATCGGAAATGACCGAAACTGAACGGACTGGATTCCCGCCTGCGCGGGAATG ACGGGATTTTAGGTTTCTGATTTTGGTTTTCTGTTTTTGAGGGAATGACGGGATGTAGGT GGAATCTAGAATTTCAATGCCTCAAGAATTTATCGGAAAAAACCAAAACCCTTCCGCCGT CATTCCCACGAAAGTGGGAATCTAGAAATGAAAAGCAGCAGGAATTTATCGGAAACGACC GAAACTGAACGGACTGGATTCCCGCCTGCGGGGAATGACGGGATTTTAGGTTTCTGATT TTGGTTTTCTGTTTTTGAGGAATGACGGGATGTAGGTTTTCTTAACCCTGCGTCCTAGAT TCCCACTTCGTGGTAATGACGGGATGTGGGTTCGTGGGAATGACGTGGTGCAGGTTTCC GTGCGGATGGATTCGTCATTCCCGCGCAGGCGGAATCTAGACCTTAGAACAACAGCAAT ATTCAAAGATTATCTGAAAGTCCGAGATTCTAGATTCCCGCTTTCGCGGGAATGACGAAA AGTGGTGGGAATGACGGTTCAGTTGCTACGGTTACTGTCAGGTTTCGGTTATGTTGGAAT TTCGGGAAACTTATGAATCGTCATTCCCGCGCAGGCGGGAATCTGGAATTTCAATGCCTC **AAGAATTTATCGGAAAAAACCAAAACCCTTCCGCCGTCATTCCCCACGAAAGTGGGAATCT** AGAAATGAAAAGCAACAGGAATTTATCGGAAATGACCGAAACTGAACGGACTGGATTCCC TGACGGGATGTAGGTTTTCTTAACCCTGCGTCCTAGATTCCCGCTTTTGCGGGAATGACG CGCGCAGGCGGAATCCAGACCTTAGAACAACAGCAATATTCAAAGATTATCTGAAAGTC CGAGATTCTGGATTCCCGCTTTCGCGGGAATGACGAAAAGTGGTGGGAATGACGGTTCAG TTGCTACGGTTACTGTCAGGTTTCGGTTATGTTGGAATTTCGGGAAACTTATGAATCGTC ATTCCCGCGCAGACGGGAATCTGGAATTTCAATGCCTCAAGAATTTATCGGAAAAAACCA AAACCCTTCCGCCGTCATTCCCACGAAAGTGGGAATCTAGAAATGAAAAGCAGCAGGAAT TTATCGGAAATGACCGAAATTGAACGGACTGGATTCCCGCCTGCGCGGGAATGACGAATT TTAGGTTTCTGATTTTGGTTTTCTGTTTTTGAGGGAATGACGGGATGCAGGTTTTCTTAA CCCTGCGTCCTAGATTCCCGCTTTTGCGGGAATGACGGCGACAGGGTTGCTGTTATAGCG GATGAACAAAAACCAGTACGGGGTTGTCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAG GTGCTGAAGCACCAAGTGAATCGGTTTCGTACTATCTGTACTGTCTTCGGCTTCGTCGCC TTGTCCTGATTTTTATTAATCCACTATAATTTCCTGCGTGTGTCGGGTGTATCGAAATCA AGCCGAATCAAATATATCGGACTTCGATAATGTCGTATTCGCGCACGCCCCGGGGCTT GGACTTCCGCCGTATCCCCCTCTTCCTTGCCGATTAAGGCGCGGGCGATGGGTGAGCCGA GTTCTTCCGTTTCCAAATCTTCCAGCGTAACCGTCGTACCGAACACGATTTTGCCTTCGG CGTGGATTTCGGTCGGATTGATGTGTGGGCAACGGAAAGTTTGTGTTCCAGCTCGGAAA TGCGGCCCTCGATAAAGCCTTGGCGTTCTTTGGCGGCTTCGTATTCGGCGTTTTCGGACA AATCGCCGTGCGAACGGGCTTCGGCAATCGCTTCGATCACTTCGGGACGCGCCACGCTTT

TGAGCTGCTGCAATTCCTGTTTCAGCAATTCCGCACCGCGTACGGTCAGGGGGATTTTTT ACCGTCTTGTTTTGTGCGTCCGGATATTAAAATAAAAATACAAGCCGCCCGGAAAATCGG CGGCTTGTCTGTCGTTGAACAGCGGCTATTCTACCAAATTCTATGAAATTGGCAATCGTG CCGCGCCGCCGGCAAACGCGCCATGTCCGCAACAAAAGCTGAAAATATGCCGACAAAGAA **ATTTTAGAAACAAAAATTTAAAAATAATCAATTTTCGGCATAAAAAACCACATTTACGG ACTITAAAACCGAAAATGCCAAGCCTGAGATTTTTCATACAGCATTTGCACCAGTATAAT** CCCGTCGCCCGTCTCAAACCTTCCACCGTCGCCCTGCCCGGCTCCAAAAGCATCAGCAAC CGCACCCTGCTGCTGCCGCCTTGTCCGACAATGCTTGCGAAATCCATTCCCTGCTCAAA TCCGACGATACCGACCGTATGCTCGAAGCACTCGATAAACTCGGCGTTCAAATCGAATAT CTTGCCGAAGACCGTCTGAAAGTGCACGGCACAGGCGGACGCTTCCCCAACCGCACTGCC GATTTGTTTTTGGGCAACGCGGCACGGCGTTCCGCCCGTTAACCGCCGCTCTGGCCGTT TTGGGCGGCGATTATCATCTGCACGGCGTGCCTCGTATGCACGAACGTCCTATCGGCGAT TTGGTCGATGCGTTGCGGATTGCCGGGGCCGATGTCGAATATCTCGGCAAGGAACACTAT CCGCCGCTTCATATCGGCGAACGCCAAGACAACGGCGAGCGCGTGATTCCGATTAAAGGC **AATGTGTCCAGCCAGTTTCTGACCGCCCTTTTAATGGCGTTGCCGCTGACCGGGCAGGCG** TTTGAAATCCGTATGGTCGGCGAATTGATTTCCAAGCCCTATATCGACATTACTTTAAAA CTGATGGCGCAATTCGGCGTACAGGTTATCAATGAAGGCTACCGCGTCTTCAAAATTCCC GCCGATGCGCACTACCACGCGCCCGAACACTTGCACGTCGAAGGCGATGCCTCCAGCGCG TCCTACTTCCTCGCAGCCGGTTTGATTGCCGCCACGCCCGTCCGCGTTACCGGTATCGGC GCAAACAGCATACAGGGCGATGTCGCCTTTGCCCGCGAGCTGGAAAAAATCGGGGCGGAC GTGGTTTGGGGCGAAAACTTCGTCGAAGTTTCACGCCCGAAGGAACGTGCCGTCCAATCC TTTGATTTGGATGCGAACCATATCCCCGATGCCGCCATGACCCTCGCCATCGTCGCGCTT GCTACAGGGCAAACCTGCACGCTGCGCAACATCGGTTCGTGGCGCGTCAAAGAAACCGAC CGCATCGCCGCAATGGCAAACGAGTTGCGCAAACTCGGGGCAAAAGTCGTCGAAGAAGCC GAAGCAATTCACATCACCCCGCCCGAAACGCTGACACCCGACGCCGTCATCGACACGTAC GACGACCACCGCATGGCGATGTGTTTCTCGCTGGTTTCGCTGTTTGGGCGTACCCGTCGTC **ATCAACGATCCGAAATGCACCCACAAAACCTTCCCGACTTATTTCGACGTGTTCTCATCG** GCCTCATTCTGTAAAAAAGTATGTGCGCCGAGGTAGTTTTTGGCGTAAAACGGTGTGGA GAGTTTTTCGGTTTTGATGGTTTTGCCGCTGCTGGGGGCATGGATGAATTCGCCGTTGCC GATGTAGAGTCCGACGTGTGAGTAGCGGTGTGCGCCGCCGGTGTTGAAGAATACGAGGTC GCGCGGCAGCTTGACGTTGAGGGCGTTTTTGTAAACGAATTGAATCATGCCGCTGCAATC GAAGCCGGTTGCGGTGCTGCCGCCCCATTTGTAGGGCGTGCCGATGAGTCCGAGGCT **GTGGAGCATGAGTTCCTGCGAGCCTTGTGTGCGGTCGATGTGGCTGATGCGGACGGCTTG** GATTTGCCGGACTGTCTGTTTGGGTTTCGGTTGGCGGTGTTTGCCGGAGGTCGTGCCGCA TGAGGCGAGGAGCAGTGCGCTGAGACAGAGGAAAAAGGGTTTTGTCGGGGGGAAACATGGT TTTTCCTTTGCGGGTTCGGATATCCGTCTGAAGGTGTTTCAGACGGTATAGTGGATTAAC AAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAACAGTACGAAACCGATTCACT TGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGTCGTACT GGTTTTTGTTAATCCGCTATATTTCTATAATAAACCTTCTATGGGCAGCAGGGATAGGAT GGCGGGATCGTGCCATTGCAGGCGGTTGTCCTGTCGAGGGTAACGCGGTAGGCGTAGGC GGGTGTGGTATCGGCAAGGGTGCGCTCCATCTGTTCTGCGATTTTGGGGGCTTTCGATAAC GATGCGTTTGCCGTCCACAATGAAGGTTTTGGCGTGCAGGCTGGTTACGGAGCTGCCGGT CAGGCCTTTGTCTTTTGTGGCGGGGCGCCATGGTTGGGTTGCAGCTCGTAGAGTTTGAT GCCGGCTTTGAGCAGCGGTTTTCGGTATTTGACATAGCCGGAATGGACGCCGGCAACGTC GGTCGCCTGCAGCGAGTTGGTCAGAACGGTAACGTCTATGCCGTCCTGCACCAGTTTTGC CAGTGCGTCTGTGCCGGATTTTGTGGGAACGAAATAGGGTGAAACCAGATAGACGCTTTT TTCGGGCTGTTTGAGCGCGTCTTGCAGCCGCCCGGCAATCGGCGGTTTGCGGCGGTCGCG GTCGAGTCCTTTTGCAGGGTCGTCGCTGATGAGGCGGGTTCGGACGCTCTGCCAGTCGAT **GCATCCTGTCTGTATTTTTTGGTAGAGGGGCGACTGTTCGACGGTTTCGCGGTAGCGCAG** GAGCGCGTGTCTGGACGTTTCGTCGTTGTATCCGAGTGCTTGAAGACCCTTGCCGATGTC GCCGCTGCGGATGATGCGCGTGGCGTTGTGGGCGGAATGGCTTGCCCAGTAGCGGTCGAA GTCGTGCGATACTTCGCCGACGCGCCGCCGGTGGCGAGGATGTCCAAATCGGCGAAAAC GGTGTCCTCACCGACTTTGAAGTATTCGTCGCCGATATTGCGTCCGCCGAGTATGGTGGC GCGGTTGTCGGCGGTAAAGGATTTGTTGTGCATGCGGCGGTTGAGGCGGGGGAAGTCGGT CAGGTAGCCGAGTGCGCCCATTTTCGTAAGACGAAGGGGTTGAACAGGCGCACTTCGAT ATTGGGATGGCTGTCGAGGGCAAGCAGGAGGTCGTCCAATCCGCGCGTGTTGTTGTCGTC CAACAGCAGGCGTACGCGCACACCGCGTTCTGCGGCAAGGTACACGAGGTTGAACAGCAG CCTGCCGGAAATGTCGTTGCGCCAGATGTAGTATTGCAAATCGAGGCTGTGTTCGGCAGA GGATAGCCCGTTGGTATGAGGGGTGTGCCGGATTTGCAGGATGTTGTCCAGGCGGACGGG TTTGGAAGTATTGAAATGACGGCTTTCCGTCCGTTCTTCCAGTGGGGGCAACCATGAAGA ACATGAACAGAGAAGGAGGCATAAAAGGGAAATTAGGCTGCGTGTTTTCATCAGGGATAT GGTTTCAGACGGCATTGCCTGTGTTTTGGGGTTGGCGCGCATGGAAGTGCGGTATCATAA TCCAAACGTTGAAACGGGTAAAAGTTTTGCGTGTGGACCGCTTCAGGACGGTGTGTTCCG TGTCAGGTTGGTGCCGTCTGAAACGTGCAGCCGTTTGAAAACCAGCGATGATGCAAGGGT GATGCCGCCGATGCTGAGCAGGGTCATACGGAAGGCGGAATGCAGACCTGAAGAAGCCGG TATCAGAAATGTCCAGTTTTTAAGGATTAATGCGCCGGCAACAATGCCCATGCTGATGGC GGCGAGGGTCAGTGTGTTCATGGCAGAAAACTGTAGGGAGTTGCACGCGCCGATCGCCAG GAAGGCGGCAAGCAGCTTGGTGTTCCAAAGCAGTACCGTGCGGTAGCCGAAACGTTTCAT GAGCGGTGCAATCAGCGGTTTGACCAGCAGCGAAGACAGGGCGACGGGTGCGACCAGCCA ACCCGACAGGCTTGCGCCGAAGCCGAAAGCGATTTGAAACATCAGGGGCATCAGAAAAGG AATCGAGCTGATGCCGAGACGGCTGAACAGATTGCCCGCCAGTCCCAGACGGAAAGTGCG TATCAGAAACAGGTCGGCGGAATAAATCGGTTTGGACGCGGTTTTCATATGTCGGAAATA ACGGCGTGCAAACAGCAGTCCGCCGCACAGCGGCAACAGTGCAAAATACGGAGGCAGCGC GTGCGACAGGCTTTCTGCCGAAAGTAACAAGAGGCACGCGGCGGCAGAAAAAATCAGATA **ACCTTTGAAGTCTAAAGAGATATTACTGCCTTTAATATCGGGCATGATGTTGCGTCCCAA** TATGAAACCCAGCAGACCGATGGGCAGGTTGAGCAGGAAAATCCAGTGCCACGAAGCGTA TTCGACCAAATAACCGCCCGCCAAAGGCCCTAAAACCGGCCCGATTAATGCGGGCATAAC CGCATAATTGATGGCATTGAGCAGCTTGGACTTGTCGTACACACGCAAGATGGTCAGACG CGGTATCGGAACCAGCATCGAACCGCCGATGCCCTGAACGACACGGGAAAGCGTCAATTC AAACAGCGAACCCGATGCGGCGCACAATGCCGATCCGAGCATAAAAACGGCAATCGAACC GAAAAAGACTTTTTTCGTTCCGAACCTGTCCGCCAAATAACCGCTCAAAGGAATCAGCAG GGCAACCGTCAGCGTGTAGGAAATAACTGCCAGTTGCATATCCAGAGGCGACTCATTCAG GTCGGCGCAATTTCAGGCAGTGCGGTATTTAAAATGGTCGCATCCAACATCTGCATAAA AATGGCAATTGCCAGCAGAAGCGGCAGCCAAGGGGATGGTGCGCGGGGGGATAGGGTGTT TTTTTCCATAGGGCGATTGTACCCCATCCTTGTGCCGTTATTGTTTTCAGATGCTGTCTG AATGCCGTCAGAGTCGGCATCTTGAATGTTCACAAGCAAACGAACCGGCATTGCATTGTA ATGATAATTATCGAAAACCATCAGATTAAGGTACAGTAAGCGTTATGGGGGCAGTTT GTAAGAAAACCGGATTATTTTTTAAAATTAGACTTGACCCGCAACAGTCAATTACTTAA AGTAAACGCTTACCTTTCTACAGAGAAAAACGGGTTTCCCGTTATCAAAAAACATGAGCG GCACTTGCGTCCTTGATCTTTTATGCCCGAAGCAGGCATGGATGCCATTACCCTAATCG ATTCATCCGGCCATCCGACCGAAGCCTTCGATGTCGCCAAAGCACAACTCGACCTTTTCC CTGAAAACTGGCCGATCGTCGTGCCGTCCGGCTCGTGCGGCGCATGATGAAACACCACT TCATCGAGTTTACCCATTTCCTGCTTGCCATCGGTTTCAAACCCGAAGACAAGGGCGAAC CAGGCTGGCAACTGATTGACGGTATGGAAAACGTCGAACGCATCGTCCACGACCACGAAA GCGAATGTTGCGGCTTCGGCGGCACATTCTCCGTCAAACAAGCCGATATTTCCGGCGCAA TGGTAACAGACAAAGTCGCCGCGCTGAAAGAAACCGGCGCAACCGAAATCATCAGCGCGG ACTGCGGCTGTATGATGAACATCGGCGGCAAAATCGCCAAGGACGAGCCGGATATGCCGC GTCCGAAACATATCGCATCCTTCTTGTTGGAACGCACCGGAGGCAAAGCATGAGCGCGCG TGAAAATATTTTGGCAAAACTGAAAAAAGCCGACGCATTGCCGATGGAAGAACCTGCGGT TTTTGATTATTACCGTGAAATGGGTGTTTCTTGGGGCAGCGAAGTTGAGCGTCTGAAACA TTGGGCTGCCGCTATGCGTGCGGTCAAAACCGAAATTTATTGGGTGACGAAAAGCAATTG GATGCAGGTTTTCCGCGAAGCGGCAGAAGGCAAGGGTTTGAAAAACATCCTGCTGCCCTT GGCGACCGAACACGGACAAATTGCCCGTGCCGCATTGGCGGACAGCAATATCGAACCGAT TGCCTTCGAGCGCGAAATCGATACTTGGAAAACCGAGTTTTTCACGAACATCGATGCGGG CTTCAGCGGCGCAATGCGGCATCGCCCGCACCGGCACGCTGATGCTGTTTTCCAGCCC CGAAGAACCGCGTACTTTAAGCCTCGTTCCGCCCGTGCATTTCTGCCTGTTCGATACGTC CAAGATGTACAACGAGTTTCATAATGCCGTCGAAGGCGAAAAACTGGTGGAAAACGGTAT GCCGACCAATGTATTCCTGATTTCCGGCCCGTCCAAAACCGCAGACATCCAACTGACGCT TGCTTACGGCGCGCACGGCCCGCGCGATTTGGTCATCCTCGCCATCCTGCCCGACCACAT TTCCCCTGCCGATTTGGAGGAAAACGCATGACTACGCAAACCATCAAATTTCACATGAAG CCGGAAACTTTCAAGCAAAACGCCGCAATTTCCCTTCAAGACAAGCCTTTGCGCAAAAGC CTGCGTACCGCGATGGATATGCTGATGACCAAACGCAAAGCCGTTTTGACCGACGAAGAA CCAGCCCTGCTGGAGCAGCTGGAAGAAACCTGACTAAGTTGGGCGTGAAAGTGCACTGG GCAGAAACCCCGACCGAAGCCTGCCAAATTATCCACGACATCATCACAGCCAAAAACGGC AAGCTGATGGTCAAAGGCAAATCGATGGTCAGCGAGGAAATCGAGCTGAACCATTATCTT GAAGCAAAAGGCATTAAAGCGGTAGAAAGCGACTTGGGCGAGTTCATCGTCCAAATGGCA GGCGAAAAACCGACCCATATCGTGATGCCTGCTATCCACAAAACCAAAGAACAGGTTAGC GAACTGTTCCACCAAAACCTCGGTACGCCGCTGACAGACGATGTAGACCAACTGACCGGC TTCGCCCGTAAAGCACTGCGCGATATTTACAGCACTGCCGATGTCGGTTTGAGTGGCGTA AACTTTGCCGTTGCTGAAACAGGTACGCTGTCTGTTGGTGGAAAACGAAGGCAACGGTCGC TTGAGTACCACCGTACCGCCCGTGCATATCGCTATTACCGGCATTGAAAAAGTGGTGGCG AAATTGTCCGACATCCCACCCTTGTACAGCCTGCTGCCGCGTTCTGCCATTGGTCAGAAC CAAGAAATGCACTTGGTTCTGCTCGACAACGGCCGCAGCCAGGCTTATGCCGAAGACCAA ATGCGCCGCACCCTGCAATGTATCCGTTGCGGCGCGTGTATGAACCATTGCCCGGTTTAT ACCCGCATCGGCGCGCGCATACGGCACAACCTATCCCGGTCCGATTGGCGAGATTATT TCCCCGCACCTGTTAGGCTTGGATGCCACTCGCGACCTGCCGACCGCCTGCACGATGTGC GCCGCGTGCGTGGAAGTTTGTCCGGTACGCATCCCGATTACCGAACAAATGCAGCGTTTG CGCGTTGAAGCGCAACGTTCGCCGACCGAAACCGTGCCGCACCCCATCCGGGGCAAGGC GCATCGCATACCTTCGGCGAACAAATGGCGTGGCGCACATTCAACGGTATTTCAGCGGC AGCAAAACCTACCGCGCCTTCGGTTGGGCAGCCACCAAGTTCCGCAACCTGACCCGGGC AAACAGTTGGGTTGGACGCAAAACCGCGTGCCGATGAAACCGGCGAAGAAAACCCTGCAC GAACTAATGGCAGAAAAATGCGCCAAAAAGAACAGGCATAAAAAGTTGTTCGCAAAAAT GCCGTCTGAAACCCGAAACAGGGCTTCAGACGGCATTTGTATAGTGGATTAACAAAAATC - AGGACAAGGGGACGAAGCCGCAGACAGTACAAATAGTACGGCAAGGGGAGGTAACGCCGT ACTGGTTTAAATTTAATCCACTATATATTCGCAGACGGTGGGTTTTAAATTTGTTCCAAT TCCATATTCAAAACAGCCTGTTCCTGTTTGGCTCGGAAGTCTGCCAGTTTTTGCGCCAGT TCGGGGGTTTCGTTGGCGAGCATGGAAACGGCGAACAATGCGGCATTTGCCGCGCCTGCC TCGCCGATGGCGAATGTGGCGACGGGTACGCCTTTGGGCATTTGTACAATCGATAAAAGC GAATCTTCGCCGCGCAGGTATTTGCTGGGGACGGGTACGCCCAAAACGGGGACGGTGGTC TTGGCGGCAACCATACCGGGTAAATGCGCCGCGCCGCCGCGCACCCGCGATGATGGCTTTG **ATGCCGCGCCCGTGCGGTTTCGGCGTATTGGAACATCAAATCCGGGGTGCGGTGTGCG** ATAACGGCCAATCGCTGTTGCTGCCCATGATGATGCCGATTTGTATCATAAATCCTCCT TGGTGCGGATGGGGTAAAAAGCGGAAAAATGGAAAAACTATCGTTTGCGCACGGCTGCGG CGGCGCGTTTTGCCGCCGGGCTGCCGGGATAGGTCTGTATCAGGCTGCGCCAAGTCGCCC TTGCAATGTCTTTTTGCTGAAGCCTGTATTGGCATTCGCCGATTTTGAACATGGCTTCAG GCGCGGTTGGGCTGTCTTTGAAACGGTTGGCGTAACGCCCTCCGATTTCGATGACGGATT CGCAGTTGCCCATACGCGCCCTGCTTTGCAGCAACAGGTACATACTGCGTTGCGCGATGC TGCCGCCGTCGCCTCCGCCCCTTTCAACAGGGAGGCAGCGCAGAAAACTTGCCGC TTTTATAGTGTTTGAGTGCCTGATTGTAGAGGTTTTGTGCGGTTTCGACAGTATGTGCGG ATGCGCTGCCGCCTTCGGTATTGAGGTAATGCTCTTTCAACTTGCGGTCGTCGAGTTTTT GGACGTATGCCCTGCCGGAAGAATGTGTTTTTGCGTGTTCCAGTGCTTTGACTTTGCCGT TTAAGGTTTCCACTTCGTTCGACAGCCGGACGATTTTGCCTTCCAGATAGTCCAAACGGT CTTGCAAGGTCGGAACGGGATAGGGAATGCCGTCTGAAGCATTTTCCCGTGTCGACATTT **AAATGATAAAAAGCGGTAATTTGATCTTCATTATTTTTTCAGAAGCAGGGTCAAGCCGTC** TTTGAGGATGCCGACGCTGGGCGCGCATCGGAAGCCGCTTCGCGCATCACCCTTCCGTT GAAATATTGCGGCGTGGGCGGTTTGTCTGCGTCTATCAGTGCCAAATCGTAGCTTCCGGC TTCACCCTGTGCAATCAAATCATCCAATGTCAGCAATGCGGGTTGCAGGTGCAGGCTGAT TTTATGTGCCACACCGGCCTCGTTCCAAACCTGACGCGCCGTATCGGTAAAGGTTACATT GATGTCGCAGGCGGTAATCCGCCCGTGTTCGGGCAGTGCCAATGCAAGCGCGGTGCTGCT AACCAAAACTGCCGCCTGTTCGCGCGCAATCGCCATTTTGCCCCATACGGTGATGCCCGGT CTTCTCGCGCAGCCGCGTCAAAACGGGATGTTCGGGTTCGCCGATGGCGTTCAAATAGTT TTGCAGGTCCGGTGCGACATTGGACAGATGGGTCGTCATTTCGGCGGATTCAGTCTTGGT AATAGGTATAAGGTTTTTTCGCCACTTTTGCCGCCTCGAAGTTTTCCTGTTCTTCGGGAT TGAGTTCGACATCCCACAAAAGCCCCCTGTTTTCCAAACGCTGCTGTTCCAACTCAGGTT TTTCTTCAATCAGGCGGTTGAGGAATTGTGTGGCATCGGATTGGTAGTGATACATCTTTG TGCTCCAATTTTACGGAATATGGCGTGATTATACTGGTATTTTCCAAACGGGATAAACGG CTTTTATCAAGAATACGGGCAGAAAGATAAGGGGTTTTATTATAGAATAAGACGTTTTTT GCAACGGAAGCCCGCCTTATGTCCCGAATCGCCGCCCTGCCCGACCATCTTGTCAACCAA ATTCGCGTCAGCGACAACGGCGGCGGCATCCACCCCGACGACATCGAACTTGCGCTCCAC CGCCACGCCACCAGCAAAATCAAAACCTTAAACGATTTGGAACACGTCGCCAGTATGGGC TTTCGCGGCGAAGGTTTGGCAAGCATCGCCTCCGTCAGCCGCCTGACCCTGACCAGCCGT CAGAACGACAGTTCGCACGCGACCCAAGTCAAAGCCGAAGACGGCAAACTCAGCAGCCCC ACCGCCGCCGCCACCCGTCGGCACCCATCGAAGCCGCCGAACTCTTCTTCAACACC CCCGCACGCCCAAGTTCCTCAAATCCGAAAACACCGAATACGCCCACTGCGCCACCATG CTCGAACGCCTCGCGCTGGCGCATCCGCACATTGCCTTCTCGCTCAAACGCGACGGCAAA CAAGTGTTCAAACTCCCTGCACAAAGCCTGCATGAACGGATTGCCGCCATTGTCGGCGAA GACTTTCAGACGGCATCATTGGGAATCGACAGCGGCAACGGCGCGCTGCGGCTCTATGGT CATCGCTTCGTGCGCGACAAAGTGATGCTCCACGCCGTCAAGCAGGCATACCGCGACGTA TTGCACAACGCACTCACTCCCGCCTTCGTCCTCTTTCTCGACCTGCCGCCCGAAGCCGTG GATGTCAACGTCCACCGACCAAAACCGAAATCCGCTTCCGCGACAGTCAGCAGGTGCAC CAACTTGTGTTCCACACGCTCAACAAGCCCTTGCCGACACACGCGCCAACCTGACCGAA AGCGTCGGCAACGCGAAGTGTTGCATGACATTACCGGCGTTGTCTCCACCCCAATG CCGTCTGAAAACGACAGCGAAAATCTGTTTGATAGCGTATCCAACTACCCGACAGGCAAC **AAATCAGATACACAATGCCTTTGGTTCATCAGGCAAAACCGCGCCCATGCCCTATCAG** ACTTACGCCGAACTTTACAAAAAACCGACGACATCGACCTTGAGTTAAGCCGATTCGAG CAGGCACGTTTCGGCAATATGCCGTCTGAAACGCCTGCTCCCCAAACAGATACGCCGCTT TCAGACGGCATCCCGATCCGAACTGCCGCCGCTCGGTTTTGCCATTGCCCAATTA CTTGGCATCTACATTCTTGCCCAAGCCGAAGACAGCCTGTTGCTCATCGATATGCACGCC GCCGCCGAACGCGTCAACTACGAAAAAATGAAACGCCAACGTCAGGAAAACGGCAACCTG CAAAGCCAACGCCTGCTTATTCCCGTAACCTTTGCCGCGTCCCACGAAGAATGCGCCGCC CTTGCCGATTATGCCGAAACGCTGGCAGGCTTCGGGCTGGAATTATCCGATATGGGCGGC AACACCCTCGCCGTCCGTGCAGTTCCCGCCATGCTCGGCAAAGCCGATGTCGTCTCGCTC GCCAAAGACGTATTAAACGAACTCGCCCAAGTCGGCAGCAGCCAAACCATCGAGGAACAC GAAAACCGCATCCTCGCCACCATGTCCTGCCACGGCTCGATCCGCCCGGCCGCCGGCTC ACCCTGCCGAAATGAACGCCCTTCTGCGCGATATGGAAAATACGCCGCGCAGCAACCAG TGCAACCACGGCAGGCCGACTTGGGTCAAACTGACTTTGAAAGAATTGGACGCACTGTTC TTGCGCGGACAGTAAGCCGAAAGTGCTAGAATACGCCGCCCGAGACCGCCGTTCAGACGG CATTCCGACGCACCGACAGAAACATCACGACCGAAACCAAGAGAAAAACATGGCCTATCA AGTTCTCGCCCGAAAATGGCGGCCCAAAACCTTTGCCGACTTAGTCGGTCAGGAACACGT CGTCAAAGCCCTGCAAAACGCCCTGGACGAAGGCAGGCTGCACCACGCCTACCTGCTGAC CGGCACGCGCGCGTAGGTAAAACCACCATCGCCCGCATCCTTGCCAAAAGCCTCAACTG

CGAAAACGCGCAACACGGCGAACCTTGCGGCGTATGTGAAAGCTGTACGCAGATCGATGC CGGACGCTACGTCGACCTGCTGGAAATCGACGCCGCCTCCAACACAGGCATCGACAACAT CCGCGAAGTCTTGGAAAACGCCCAATATGCACCGACCGCCGGAAAATACAAAGTCTATAT CATCGACGAAGTGCATATGCTTTCCAAAAGCGCGTTCAACGCTATGCTCAAAACGCTGGA AGAGCCGCCCGAACACGTCAAATTCATCCTCGCCACCACCGATCCGCACAAAGTTCCCGT TACCGTCTTGAGCCGCTGCCTGCAATTCGTCTTACGCAATATGACCGCGCAACAGGTTGC CGACCACCTCGCCCACGTCCTCGACAGCGAAAAAATCGCCTACGAACCCGCCGCCCTGCA ACTTTTGGGACGTGCCGCCGCATCGATGCGCGATGCCTTGAGCCTGCTCGACCAAGC CATCGCCCTAGGTTCGGGCAAAGTTGCCGAAAACGATGTCCGCCAAATGATCGGCGCGGT TGACAAACAATACCTTTACGAACTGCTGACAGGCATCATCAACCAAGACGGCGCAGCCCT GACCGCCAAAGCGCAGGAAATGGCGGCGTGTGCCGTCGGCTTTGACAACGCCTTGGGCGA ACTTGCCATACTGCTGCAACACCTCGCCCTGATACAGGCAGTGCCGAATGCCTTGGCGCA CGACGACCCCGATTCCGATATTTTGCACCGCCTCGCCCAAACCATAAGCGGCGAACAAAT CCAGCTTTACTACCAAATCGCCGTCCACGGCAAACGCGACCTCAGCCTCGCCCCCGACGA ATACGCCGGCTTTATGATGACCCTGCTGCGTATGCTGGCGTTTGCGCCCTTGGCGGCAGC ATCGTGTGATGCAAATGCCGTGATTGAAAATACCGAACTAAAATCCCCATCGGCACAAAC CGCCGAAAAGGAAACCGCCGCAAAAAAGCCCCAACCGCGCCCTGAAGCGGAAACCGCCCA AACACCCGTTCAGACGGCATCCGCAGCAGCAATGCCGTCTGAAGGCAAAACTGCCGAACC CGTTACCAATCAAGAAAACAACGATATTCCGCCTTGGGAAGACGCGCCGGACGAAACCGC AGCCGGCACGGCGCAAGCATCGGCAAAAAGCATTCAGACGGCATCCGAAGCCGGAACGCC GCCCAAAAACCAAGTTTCCAAGAACGAAGCAGCCGACAACGAAACCGATGCCCCCTTGTC CGAAGTGCCGTCTGAAAACCCCATTCAGGCAACACCGAATAATGAAGCCCTTGAAACAGA AGCATTTGCACACGAAGCTCCTGCAAAACCTTTCAACGGTTACAGCTTTCCGAATGATGA CTACCTCGTAGAAGACGGCGCAGAAATCCCACCGCCCGATTGGGAACACGCCGCCCCTGC CGATGCGGAAGAAGAAACAACGCCGACGAAAGCAGCAACAACGAAGACCACACGCCATA CGCCCGCCGCCGAATTTTCCACCGAAAACTGGGCAGCCATCGTCCGGCACTTCGCCCG CAAACTCGGCGCGCGCAAATGCCGGCGCAACACTCCGCGTGGACGGAATACCATCCCGA CACCGGTCTGATGGTTTTGGCAATGACCGCCGAAGCACGCCGCCGACCAAAAAAACG CCTCGACAAAATCCGCGACACCCTTGCCCAAGCCTACGGGCTGCAACTCACCCTGCAAAC CCAAGACTGGCGTGACGAAGCCGGCCGGGAAACCCCCGCGATGCAGGACAAGCGCGTCCA AGCCGAAGACAGGCAAAAAGCACAAGCATTGCTCGAAGCCGACCCCGCCGCACAAAAAAT CCTCCAAGCATTCGGCGCGCAATGGCAGCCCGAATCACTGGAATTGGCGGCAAACCGGCC ATAAACAGATATAATGCCGCCCGAACCCTTCGGACGGCATTGCCGTTTCCCTTATTCAAT CAAAACAGACAGGAGTATTCAGTATGTTCGGAAAAGCCGGATTAGGCGGCCTGATGAAAC AGGCGCAGCAAATGCAGGAAAATATGAAAAAAGCGCAAAGCCAAACTCGCCGAAACCGAAA TCGAAGGCGAAGCAGGCAACGGCCTGGTCAAAATCACAATGACCTGCGCGCACGAAGTAC GCAAAATCGACATCAGCCCCGATTTGATTCAAGAAGCCGCCGACGACAAAGAAATGCTTG AAGACCTCATCCTCGCCGCCCTCAAATCCGCCCGAGGCAAAGCCGAAGAAACCGCAAACA AAACAATGGGCGCATTCACGCAAGGTCTACCCCCGGAGTGGGCGACTTCTTCCGCTGAT CCCCGACCGTCATTCCCACGCAGGCGGGAATCTAGAACGTAGAATCTAAGAAACCGTTTT ACTCGATAAATTTCCGTGCCGAGGGGTCTGGATTCCCGCCTTCGCGGGAATGACGGCATC AGTTTGCAGGATTCGGCGTGAACGGTAAAAACAGTGAGAATGATAAGAACGCAAAAACGG CAAGAATAGCGGGAATCGGCAGGCTGAAGCCCACCCTACCATTATTTACACATCCGTACC GCTTAAATGCCGTCTGAAACTTCGTCATTCCCGTGAAAGCGGGAATCCAACCCCGTCGGA GCAGAAACTTACACCCCGTCATTCCCGCGAACGCGGGAATCCAGTAACCGAAAAACCACA GGAATCTATCGGAAAAACAGAAACCCTCGACCGTCATTCCCGCGAACGCGGGAATCCAGT AACCGAAAAACCACAGGAATCTATCGGAAAAAACAGAACCCCCCGACCGTCATTCCCGCG AACGCGGGAATCTAGAACGTAGAATCTGAGAAACCGTTTTACTCGATAAATTTCCGTGCC GACGGGTCTGGATTCCCGCCTTCGCGGGAATGACGGCATCAATTTGCAGGATTCGGCGTG AACGGTAAAAACAGTGAGAATGATAAGAACGCAAAAACGGCAAGAATAGCGGGAATCGGC AGGCTGAAGCCCACCCTACCATTATTTACACATCCGTACCGCTTAAATGCCGTCTGAAAT TTCGTCATTCCCATGAAAACGGGAATCCAGCCCCGTGGGAGCAGAAACTTACACCCCGTC ATTCCCGCGAACGCGGAATCCAGTAACCGAAAAACCACAGGAATCTATCGGAAAAAACA GAACCCCCGCCGCCGTCATTCCCGCGAACGCGGGAATCTAGTAACCGAAAAACCACGGG AATCTATCGGAAAAAACGGAAACCCCCGACCGTCATTCCCGCGAACGCGGGAATCTAGAA CGTAGAATCTGAGAAACCGTTTTACTCGATAAATTTCCGTGCCGACAGGTCTGGATTCCC GCCTTCGCGGGAATGACGGCATCAGTTTGCAGGATTCGGCGGAAACGGTAAAAACGGCAG AATCGATGGGATGCGGCAGGCTGAAGCCCACCAAAACACAAAAATTCCGATGCCGTCTGA AATTTCGTCATTCCCGTGAAAACGGGAATCCAGCCCCGTGGGAGCAGAAACTTACACCCC GTCATTCCCGCAAAAGCGGGAATCCAGTAACCGAAAAACCACGGGAATCTATCGGAAAAA ACAGAACCCCCCGCCGCCGTCATTCCCGCGAACGCGGGAATCTAGAACGTAGAATCTGAG AAACCGTTTTACTCGATAAATTTCCATGCCGAGGGGTCTGGATTCCCGCGTTCGCGGGAA TGACGGCATATTTTTTGCATTTGATATAAAGGGTCGTTTGAATTTTGTTCAGCAAGTGCA AAGTGTTGCACATAAAAGGGCCCAGGATAGAGGCAAAGCGGGCGTAGGTCGGGCTGTAGC AACTGTATTTTTCACCCCGTCGGGCAAAAATATAGTGGATTAACAAAAACCAGTACGGCG TTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTACTCAAGCACCAAGTGAATCG GTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCA CTATACCAAAACTCAAATCAAGCCGTTCGGAGGCGGCTCAAAAAAACGGTACTTCGCAGC AGAAGTACCGTTTATCGGGATTTCAGGTTTTATTCTTCGGGGGCGTTCGCCGTCGGTTTCG TCCTGCGTCCCTTCGGTGATGTGCATTTCTACGCCGTTGAGGGCGCGGATTTTTGCGTCG ATTTCATTGGCGACTTCGGGATTTTCCTTCAGCCAGACGCGGACGTTGTCTTTGCCCTGA CCGATTTTCGCGCCGTTGTAGCTGTACCACGCGCCGGATTTGTTGATGATGTCGTTTTTC ACGCCGATGTCGATCAATTCGCCTTCCCAACTGATGCCTTCTCCGTAGAGGATGTCAAAC TCTGCCTGACGGAACGGGGGGGGCGACTTTGTTTTTGATGACTTTGACGCGGGTTTCGTTG GAATAGAATTTCAGCGCGTTGCCGCCGGTGGTGGTTTCGGGGCTGCCGAACATTACGCCG ATCTTCATCCGGATTTGGTTGATGAACACAACCAGCGTGTTGGTTTTTTTGATGTGTCCG GTCAGTTTGCGCAAAGCCTGGCTCATCAGGCGCGCCTGCAGTCCGACATGGCTGTCCCCC ATATCGCCTTCGATTTCGGCTTTGGGGACGACTGCGGCTACGGAATCGACGACTACCATA TCTATGCCGCCCGAACGGACGAGTGTCGCCAGATTTCCAAAGCCTGTTCGCCGGTATCG GGCTGGGACAGGTAAAGCTCTTCGACTTTTACGCCGAGTTTGCGGGCGTAAACGGGATCA AAGGCGTGTTCGGCATCGACAAAGGCGCACACGCCGCCGTTTTTCTGGCATTGGGCGACG GCTTCGAGGCAGAGGGTGGTTTTGCCGGAGGATTCGGGGCCGAAGATTTCGACGATGCGC CCGCGCGCAGACCGCCGACTCCGAGGGCGAGGTCTAATCCGAGCGATCCGGTGGAAATG ACTTCGAGGTTTTCTTCCTGCTGGCTGCCGTCCATTTTCATGATGGCGCCTTTGCCGAAA CTTTTTCGATTTGCGCCAGTGCGGCGGCAAGTGCTTTGCTTTTTTCTCGTCTGACATTGGG GTTACTCCGGAACAAATGCGGTATGTGGGATGCGGCGCAACACGGGCTGCGGCGCGGGAT GTGTATCGTTTTCCCGATGTGCGGGCTATCGGTAATGCTGCTTCACGAGGTTGCCATTAT CGCATATTTCCTTGCTTGCCGATATGCGCCAGGACGCGGCGGCTTGTGCCGGAATGGAAT CTGGATGCCGTCTAAAAGGCGGCCGGCTTTGTTATAATGGCGGCTGTTTTTTCTGTGTGT GCCTGTTTTATGTGTTCCTGCCTTGTTGTCAAAAATACCGTTATCGGAAGCGGACGCACC AAAATCGCCGTGCCGCTTGTCGCCCGCGATGCCGCCGAACTTTCCGCCGTACTTGAGCAA ATCAAAAATATGCCCTTCGATATTGCGGAGTTCCGCGCCGACTTTTTGGAATGCGCGGGC AGTATCGGCGAAATATTGCACCACACGCAGACCGTCCGCGACGCGCTGCCCGACAAGCCG CTGCTGTTTACGTTCAGACGCCATGGCGAAGGCGGCTCGTTCCCGTGTTCGGACGATTAT TATTTTGAACTGCTCGACGCGCTGATCGAAAGCCGCCTGCCCGACATCATCGACATCGAG CTGTTTTCCGGCGAAACCGCCGTCCGGTGCGCCGTGGCAAATGCTCAAAAAAACGGCATC GCCGCCCTGCTCTGCAATCATGAGTTTCACCGCACGCCGCCGCAAGAAGAAATCGTATGC CGTCTGAAACAGATGGAGGACTGCGGCGCGGACATCTGCAAAATTGCGGTGATGCCGCAA AGCGCGGAAGATGTGCTGACTTTGCTTTCCGCCACGCTCAAAGCGAAAGAGCTTGCCGCC GTGTTCGGCTCAAGCATCACGTTCGGTTCGGGAACGCAAAACTCCGCGCCGGGGCAAATC GGCGTATCCGCCCTCCGTGCGACACTCGACTGCCTCGAAAACGGCGCAGACTGATTTCAG ACAGCATCAAAACATGATGAAACTCAATCCCCAACAGCTCGAAGCCGTCCGCTACCTCGG CGGCCCACTGCTCGTTGCCGGTGCAGGCAGCGGCAAAACCGGCGTGATTACTCAAAA AATTAAGCATTTGATTGTCAATGTCGGCTACCTGCCGCATACCGTTGCCGCAATTACCTT TACCAACAAAGCCGCTGCGGAAATGCAGGAGCGCGTTGCCAAAATGCTGCCCAAACCGCA **AACGCGCGGCTGACGATTTGCACGTTCCACTCTTTGGGCATGAAGATTCTGCGCGAAGA** GGCGAACCATATTGGTTACAAAAAAAACTTCTCCATTCTCGATTCTACCGACAGCGCGAA AATCATCGGCGAACTCTTAGGCGGTACGGGCAAAGAAGCCGTATTCAAGGCGCAGCACCA GATTTCCTTGTGGAAAAACGATTTAAAAACGCCTGAAGATGTCGTTCAGACGGCATCGAA CATTTGGGAACAACAACCGCACGCGTGTATGCGAGCTATCAGGAAACCTTACAAAGCTA TACGAATACCTGCCAATTTACGTTGATGAAGCTGCTGACCGGCGCGGAAGGTATGTTTAC CGCCGTCGGCGACGACCAGTCCATCTACGCATGGCGCGGTGCGAACATGGAAAACCT GCGTAAAATGCAGGAAAACTATCCGCAGATGAAGGTCATCAAACTGGAGCAAAACTACCG CTCCACCGCGCGGATTCTCAAAATCGCCAACAAAGTCATCGAAAACAACCCCAAGCTGTT CGGCGACAAAACCCAATATGCCGATTTCGCCGTGTTATACCGGGGAAAGCATCAGGCGAG GATTTTCGAGGAAGCATTGCGCGGCGCGCGCGCATCCCCTACCAGCTCTCCGGCGGACAAAG CTTTTTCGACAAAGCCGAAATCAAAGACGTGTTGTCTTATGTGCGGCTGCTTGCCAACCC CAACGACGATCCCGCCTTTCTGCGTGCCGTTACCACGCCCAAACGCGGCATCGGCGATGT CACGCTGGGCAAGCTCAACACTTACGCGCACGAACACGAATGCAGCCTGTATGAAGCCGC GCAAAACGAAGAAGCCCTTGCCACGCTGAACAATACCAACCGCCAACACCTGCAAACCTT TATGGATATGTTCGTCAGCTACCTCGCCAAAGCCGAAACCAGCGAAGCGGGGGAGTTCAT CAACAGCCTGCTCGAAGAAATCGACTATGAAAACCATTTGATGCAAAACGAAGAAGGCAA **AGCCGGCGAAATCAAATGGCGCAACGTCGGCGATTTGGTATCATGGTTTGCGCGAAAAGG** CGGGGAAGACGCCAAAAACATCATCGAACTCGCCCAAACCGTCGCCTTGATGACGCTTTT GGAAGGAAAAGACGAAGAAAACCGATGCCGTCTCGCTATCCACGCTACACGCCGCCAA AGGTTTGGAGTATCCGTATGTTTTCCTTGTCGGTTGCGAAGAAGGCGTTTTGCCGCACAA CGACAGTATCGAAGAGGGCAACGTCGAAGAAGAACGCCGCCTGATGTACGTCGGCATCAC CCGCGCCAAACGCCAACTCACACTGACCCACTGCGTCAAACGCAAAAAAACAAGGCACATG GCAGTTCCCCGAACCCAGCCGATTCATAGACGAAATGCCGCAGGAAGATTTGAAAATCCT GGGGCGCAAAGGCGGCGAACCGATTGTCAGCAAAGAAGAAGAAGGCAGACGCAACCTTGCCGA TATAATCGGAAGGCTCGACAACCTAAAAAAAAGCGGCGCGGGGTTAAACCGGAGCCGC AATGCCGTCTGAAGGCTTCAGACGGCATATTTTTTGGACGGCGCGCGTAAAGCGGTTTAC GCCCACAAATCCTGCTGCTTTTTCGGCACAAGATGCCCCACGCCGATACCGATAAGG CGGAACGCGTCTTCCGTCTGCGGCGAGACGCGCGCCATCAACATTTGCGCAGCCTGCAGC AGAGTGCGCAGTCGGGCAATACGGAGGAATAAGTCAGTGTGCGCGTGATGATGCGGAAAT CGTAGGTCTTCAGCTTGAGCGTTACGCTTTGGGCTTCGACGTTTTTGCGCGTGATTTGCC GCCACAAGTCTTCGGCAAGATGGGGGAGGTGTCCGGCAGCCTGCTCGAGCGGCAGGTCTT CGGGCAGGGTAATTTCTGTGGAGATTTGGAGGCGTTCGCGTTCGGCTTTGACGGGGCGTT CGTCCGTACCGCGCACCAAATCATAGAGGCGGTATCCGTAGCGTCCGAAATGGTTTAAGA GTTCGCCGCGCTCGAAACGGCGCAAGTCGCCCGCCGTCCGCATACCCAGCGACTGCATTT TTTTCAGCGTTACCTTGCCCACGCCGGGGATTTTGCCCAAAGGCAGGGTTTCCAAAAATG CCATGACTTTGTGCGGCGCAACACACACACGCCGTTCGGCTTGCGCCAGTCCGACGCGA ·TTTTCGCCAGAAATTTGTTEGGCGCGATGCCTGCGGATGCAGTCAAACCTGTTTCCGCAA AAATGGCGGCACGGATTTCTTTGGCAACGTCGCCGGCGTAAGGGATGTTTTTGAAATTAC

GGGTAACGTCAAGATAGGCTTCGTCCAGCGACAAGGGTTCGATTAAATCGGTATAACGCC TGAATACGGCGTGAATCTGCGCGGAAACCTGACGGTACAAATCGAAATGCGGCGGCACAT ACACCGCTTGCGGACACAGCCTTTTCGCCGTTGCCACCGACATCGCGGAATGCAGCCCGA ACTGCCGTGCCTCATACGATGCGGCGCAAATCACCGAACGCGCGCCCCCCCACGCGACGA CCACCGGCCGCCCTTTCAAATGCGGCTGTTCGCGCAGCTCTACCGATGCGTAGAATGCGT CCATGTCGATGTGGATAATTTTGCGTGAAGACATCGGCTCTTCTGAGGATAAAAGGGATA TTCTACTGCCGGCATCGGGCAAATTCCAAATATACGCCCCGATAGACCTGCCTCCATAAA AATGCCGTCTGAAACATACCCTGTTTCAGACGGCATCCGCAAAACTACGGTTTTCAATTA **AAACTGCCAATCCAGTTTCATGCTGACAGTGCGCGGCTCTCCGTAGAAGTTGTTTGCGCC** GCGCGTACGGTTGTAGTTGTTCTCAAAATAAGTGCGTCCGTTTAAGTTCGTACCGATGAG GCTCAATTTGGCGTGTTTGCCCAATTCGTAACGGACGAAACCGTCTATCAGCCCGTAGCC GCCCTGCCTGATGTTATACAGACTGCTTGTGCCGCTTTGTGCGGACACGCCGCCGCCGAC GGTCAGCCCCGTATTCGGTATATGGAAGCTCGTTCCGAAACGGAATATGTGCACGGGTGT GAAATTGCTGAAGTTGTACGGGTCTGCACTGGAATTTTTGGCAAGGCGTTCGGCGTTGAC TTCGGCGGCGTTTTTGTAGCGGCTCTTGTTGTAGGTGTAACCCGCAAAGACTTTCCAATC TTCGTTCAACTCACCCGACAACTCGAATTCCGCACCCCTGCTGACCACTTTGCCTATCGG TTTGGCAACGGTTTGGAACGACCCCTGCTTGCCGCCTGCTCCGGGAACATAGCCGAAATC TTGCAAGAACGCGCCTTTCCAGCCTACCTCATAGTTTGTGCCGACCAAAGGCGGTAAAAC GGTTTTGGCACTGACATCGACATTATCCTGCTGTTTGAAGATTTTGGTATAACTTCCGTA AATACTCTGTTGCGGTGTCAAGTCATAGGTAATGCCTGCATAGGGCGTCAATTTATGACC TTGCATCTTGGCCGTGTAATGGTCCTGATCCGCCCTAATGCTCGATGCCGTCTGAAAATC GCTTGCCGGCTGCCCATAGCGGACAGGCATATCTTTGGTTTGCGAAGTCTCATAGCGCGT GTAGTGCAGCCCGCCCAAAAGGTGCAGTCGGCCGGTTACGTTGAAACGCGTGCTGGCAGT CAGCGAATGGGTTTTGTTGGTGTTGAGGTATTTGGCGTAGTTATACAGCGCAGGAACATG GTCGTCTGCCACTTTGACGGTTTTCCAAACCGGCACCGTACCGGAAAAACCGGTAAAGGC AGGCGTGCCGTCGGGATTGGTCTCCTGAATCTTGTTGCCTTTTTCGTCCAGCTCATATAC ATCGACATATACCGGTGTCCGGCTGCCGCTGTATTCGTCATAGTAATACACCTGCTTGCC TTCGGCATCGAGCTTGGGCTCGGTTTTTATTTTCTTGGCGTTCCTGCATTCTTCGGCATA AACGGTACGGTTGCCTTTTTCATCGTACGCCTGCCAATCGGGTTCTTTATGCCCCCTGAC CAAAGGAGACGACAAATCGCCGTCCGGCTCCTCCTGACAACTTCCCGCATACACGCCGTG CGTTGCCCCCGTATTCGGACGTACTCTGTAGCGGCGTTCGTAGATTTCTAGATATTCCGA CCCATATGTGCCGGTCAGGTCAAGTTTAATTCCCCATTGGCGGTCGTCTTTGGTATGCCG CAACGGCATATAACTGTATCGTCGGTTGGCGGTAGCCTTCCGATTAAAGGAAGAGTCATA CAGGCTGTTTGGAAAACGTTGTGCCGCATTATTAAAGATGCCCTCCTTCGCAAGGGCTTT ATCGACAAATTCCGCCTTGTCGGCATCAACGCCCGGATCCCCCCAAGAACCTTGACAGAT AAAGTCCAGCGCGAAAGGGTCACTCATACACTTGTCAAAACCGGCTTTGCGTTCTGCGGC ACGGCGGCTGCGATACTGTTCGAAAGCAGTATTATCGAAACGGTTTTTAACAAAATCGTC TTTGCGCTCCCGGTATTCCTTGGCGGTTTCATCACGATATGCTTTCAGTTTCTCCAATGC CTTATCTTTCGGCTCGAACGGGATGACTTCGTTTTTTTCAGTCAAAAAGCCTACCGCATC CTCACCCGACAAACCCGCCGCATATTCGTTTTTCAGAAAAAACTGCCCCACCTTCGCATC GGATTCATTCTTGGTATAAGACACTTCGGCATTGAGCTGCCAACCGTTGTCAAACACATG TTTGAATCCTGAGAAAAGGTTGTATTTGTCGGCACTTAACCGCGACCAATCCTCCCCCAA AGTTTTCTGATTTTCACAGGGCAAAATAATGCCCGAAAAATCAGGAACCTCCCTACTCTT CTGATACATGCCGCCCAAAGTAAGCACACTGCTGTCGCCCGCATCGGCTTCGGCAATGCC GTAAACCATATGTTTCCTGCCCCAAACTCGGTCTTTAAACGATTTTTTATACTCTTCCGC ACCCACCAACCTTCCGCGTAAGGTATTCGCCTTATTCAGGCTGCCTGAAACATCCAACAC TGCACGCCGGCTGCCGCGATGGTCGGCGGTCAGCTCTCCGGTATGTTTGAAAGAAGCGGT AGGTCACTTACGGATCAAATTGACGGTTCCTCCCGGCTCTGAATTGGATTGGGTCAACCC CGTTGCACCCCGTACAACTTCAATATGGTCATAAACCGCCAAATCGGTACTCGGAGACAC GTCGATTTTCGCCGTATATCCCGAACGGCCTGCAACATTGACGGTCATACCGTCTTCACC AATCTGATCAATATAGAAACCGCGTGACAAAAACCGCGTCTGCAAGCCTGAATCGCGCAC AACGTTGACACCCGTCGTGTTTTTCATTGCCTCTTCAAGCGTATGCACCGCCTTATCGTC AAGGCGGCTGCGCGTGATGACGCTGACCGACTGCGGCGTATCCTTGCCCGCAATCCTCAT **ACCTGTGGCGGTGGACATCCGATCTATCGTATAAGAACGGGTCTTTTCGGTCTTGCCCAA** CAAAGCATGAGAGCCGCGTACATTGACCGTATCCAGACTGACGGTATTGCCGTCTGAAAC AGGCACAACACCGTCTGCAAAAGAACCACCGTAAGCCGATAACAGCATAACGGTCAGAAT TTTAAGTGAAAAATGATTTTGATTCATAGAGACCTCTGTAATATGCAAGTGTGCAAATCG TTATTTCAAAAAACGATAACATTGTATTGAAAAATATCCGAATTTAAATACAGACCGCCA ATGCAGAAAAAACACCCAAATTGGCTATAATCCCGACAAACACACTCAAGGACAACAAC ATGGCAGCCTCGCCCGAAGCAAAATTCACCGAAGAAAAGATTTTGTGGGTCAAACACCAC ACGCCGAAACTCATCACTTTCGCCATCAGCCGTCCCGAATCCTACCGCTTTAAAGCCGGA CAGTTCTCCCGACTCGGTTTCTACGAAGGGGAAGGTTTCATTTGGCGTGCCTATTCCATT GTTTCCGCAGAATATGCCGACACGCTCGAATATTTTGCCGTACTCATCCAAGACGGCCCC ATGTCGGCCCGTTTCGCCAAAATGCAACAGGGCAACACCATCCTGCTCGATAAAAATGCC ACCGGCTTCCTCCTGCCCGAACGCTTCCCCGACGCCAAGGATTTGGTGATGCTCTGCACC GGCTCGGGCATCGCCCCCTTCCTTTCCATTCTCGAACAACCCGAAATCCGTCAACGTTTC GATACCGTCAACCTGATACATTCCGTATCTTTTCCCGAAGAATTGATTTTCAACGACCGA CTCGCCGCATTGACTGAACATCCCCTGGTAGGCGAATACGGACACTCTTTCCGTTTCGTC CCTGTTACCACCCGTGCCGCCAACCCCTCGGGCTTAAGCGGAAAACGCATTCCGGAACTC TTAAAAACAACAGCATCGAACAGGCGCTGCATACCAAGTTCACCCCGGAATCCACACGG TTTATGATTTGCGGCAACCCGGAAATGGTCAAAGACACTTTCCAAACGCTGCTCGACATG **GGTTACGCCATGCACCGCAACCGCATTCCCGGTCAAATCATGATGGAAAACGGCTTCTAA** AAACCACCTGCTTGTCCGATGCCTTCGGATGGACGGCAAACCGACACGGCACGAAAAC CGCGTCGGCAAAAATGCCGTCTGAAAAAATTCAGACGGCATCTTCGGATACATTACCTGC **AAACGGCAACACCCGGCACAAACCGATTAGGCAATCAACACGGTGACGGCTGTTTACAT** ACTTGCCGGCTTTCACCAACCGATATCGATTTAACCGATTTCCTTAATATTTTTCCTGTC CGTTTTAAACTTCGCCTTAAACGCATCCGGTAAATCTTTATCGAAATACCAAAGCCCGTC ATCCATTTCCAATGCGCCGCCCATTCCGTGCAGAACGACTTTTTCCCCCGTCAAAGGATC GGTTTCGGTAATTTCCACCTCATGCATTTTTCCCCAATCCAAAACAGGCAACTTGTGTGC AAACGCCAAAACCTGTTCGTCAGAACGGCCGCACGCCTTATCGCATCGGCCTGAAACATA TACGGGACAAGGCTCATCCTCTGCATAACCGTCCGGAAGGATACCGGCTGCGGCAGGACA CAATCCGTATGTTTCCGCCCACGACGACAAAGCCCGTCTCGCTGCCTTTTTATTGGCAAA TAATCCGGTAGGCGGATTATCCGTCACACCGTTTTTCAAAGCCGCTGTTTTCGCATTCAA CATGCCGTCTGAACCTTTTTCAAACCTGACGGTCGTAAATGTTTTAAGCAGATTTTTGGC **AGACACATAACAATCCGAATGATAACGCCCGACCAATTCCGCTTTAATCTTATATGCATG** CAGGCTGCCCAATGCGGGAAAAAACGGACTTCCTCCGTATTGCACCAATCAAACGGGGC TTTTCCGGAGTCCAATAAAGCCGAAATCTCGCTATATACCCGTTCAAACGTACCGATATA ATTTACTTTCCCTCCGCCGTCGAAACAAGCCAGCACCCCCATACCGTCAGGCAAACCGTA CAACTGTTCCCTCAACCGTTCGGGCAGCGCGGCAGCGGTTTCGGATTCATCAAACG GAAACACTGCCTGATCCATGCCTCAACCCCGTGTTCCGACAGACTGTATTCCAAATAATC ACACAATGCCGATACATCCGCCATCGCACGATGCCTGTCTTCCACAACAATCCCCAACCT TTCGATGATACTGTCCAGGCTGTGCTTGTAAAATTGCGGATACAGACACCGGGACAGCTG CACACTGCACAAAGCAGGCGATGAAAATCCGATACCCGCACGATGAAACTCATGCTTTAA AAACGTATAGTCGAAACGGCTGTTATGTGCAACCAGCACACCACCCTTCAATACCGAAAA CAACTCGCCGGCAATCTCTGCAAAAACAGGCGCATCGGCAACCATGCCGTCTGAAATCCC CACCACCCTTCCCTGCTCAAACTTGACCAAAGCCACTTCGGTTACCCTGTCTTCATACAG ATTGCCGCCCGTCGATTCCAAATCAACCACGGCAACAGGCATTCCAAACCGTAAAAATAC CTTTTCCAGCAAGGGCCAGCGAGAAGCAACAATCATTTTATTCTCTTTAAATTCAAACAA CAAACCAATATTTTACACTTTTAAGGCATTTCATCCAACAAAACAATTGACAGAATCCGA TGATTACCCTAAAATTCGAATCTTTCTTGCAGCGCACCCGTAGCTCAGTTGGATAGAGTA TCTGGCTACGAACCAGAGGGTCGGGCGTTCGAATCGCTCCGGGTGCGCCAGTAAGAAAAT ACAATATGCGCCCATCGTCTAGCGGTTAGGACATCGCCCTTTCACGGCGGTAACCGGGGT TCGATTCCCCGTGGGCGTGCCAAATTCTAAATCCCCGAGATTATCGCTCGGGGATTTTTT ATTGTCTCAGCAACTCGTTACCATATCTTTACCTACCCCCTTCATCAGAATCTCAGACGT. AATCGAATCATATTCAAACCTTTGCCGTGCAAACCGATATCCCATAACCGGATGCGGTGT CCGTCCAACATTTACCCGATTGAAACGCCTGATATATTGCACCCCATCAACGTGGCATT **ACTTTTCTTAACAATCCCCTTTGACAGCAACTGACTAGGGCTTTTTTATGCCATCATCAA** ATTTATAGTGGATTAACTTTAAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATTTGT ACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATTCACTATAATATTTTCTCT CCCGATTGAAACAGGCGTAACAGAATGCCCGAAGCTCCGGCTGCTTTCTTGTTTACCGCC GCGATATTTAGAGTATAATACCAAATTTGAGCAATAGTTCTAAAACAGTTAGAACCATTT TTCATGAGCCTGACTGATTCGTACACTCGGAGAAACTGATGCAGAATATTTTTGACCCTT TGGTTATTCGTGGAAAATCCCTTACCCCCATCGTGCAAGGCGGTATGGGGGTCGGTGTTT CCGCATCGGGTTTATCCAGCGCGGTGGCGCGTGAAAACGGTATCGGAACGATTGCCAGTG AGAAATATACATCTTTGAACTGTACCGCATTAGACAGGGAAATCCAAAAAGCCAAAAGCG CTTCAGAGGGAAAAGGACTGATTGCGGTCAACGTGATGAAGGCGGTCAAAGACCACGCCG CATATGTCCGCCAGGCTTGCGAATCAGGGGGGGGGTGCGGTTGTAATGGGTGCCGGCCTGC CTTTAGACCTGCCGGAAATGACCGAGGGCTATCATAAAGATGTCGCGCTGCCGATTC TGTCCGAATCGCGCGGTATTAATATCGTCTTGAAACGTTGGATGAAAAAAGGCATATTGC CCGATGCGATTGTAGTCGAACATCCTGCCCACGCGGCCGGACATTTGGGTGCATCAACCG TTGAAGGCGTAAACGATGCCAAGTTCGACTTCAAACGCGTGATTGAGGAAACGTTTGAAG TTTTCAAAAGTTTAGGGCTGGAAAGCGAAAAAATCCCGCTTATTCTTGCGGGAGGCATGG CAAATTTTGAAAAAGTCAAAACCGCCCTAAAGAACTGGGGAGCATCCGCCGTTCAAATCG GTACGGCTTTTGCCGTTACCGAAGAAGGAGATGCACACCTTAACTTCAAAAAAACGCTCG CCGGTGCGGAAACTGAAAAAGTAGTCGAATTTATGTCTGTTGCCGGTTTGCCGGCGCGCG GTGTCCGCACCAAATTCCTAGACAGCTACATCAAGCGTGAAAGCAAACTTCAGACAAACG CCAAAGCCGACCCGCCCCTGTACCCAAGGTTTAAACTGCCTAACCAGTTGCGGTCTGC GCGACGGGCTTTCCAAAGCAGGACAGTTCTGTATTGATATCCAGCTTGCCGCCGCATTCC GTGGAGAAGTAGATAAAGGCCTGTTCTTCAGAGGTAAAGACCGCTGCCCTTCGGCAATGC ACATTTATTTTCGTCCGACAAATCAAACCATCGCGCCGAATGATCAAATAATGCCTGCAC GGCATTACATCTGGCAAAGCAATGCAATGAAAACACGGCTTTTTTATTTGCTTTCAGTAT TATTGAAAAGCTTGTCCATCGGGGTCAAATCGACCGCATTGCCTTGGCTGGTAATCCATT GCGAAAGGGTTTTGAACACCGCCTCATATTCCGCCCTGCCGTTCTGCGCGCTGCCGACGG GCTTGAGGGCGACGGTTTGATCGTCCGCCTTGCGGGTCGGGTGCATCAGCAGCAGGTTCA AAGGCTGTTTGCCGTCAAACTCGCCGCCGACAAACACTTTTGCCGCATTCATATCGGGGG AAATGAGAACCTGCACCCCGATATGCCGTCTGACGGCTTCTTCATCCCGATGAAGCTGGA TGTCGATATGTTTGCCGTCTTTATAATAATCGTCCGTAACCAAATCTGTCGCGTGCTGCT -- GCGCGACAAAAAACATAGCGACGCTGGCGATGACGACAAAAATCGGCCCCGCCATCAAGA TCCACGGCCAGACGTGTTTGTACCAAGGTTTGATTGGAGTGTTTTTGAGACACGGTTATTC

TCCGATAAAGGTTGCATCTTCCTAAGACGACCGGCTTGCCGTCGGGCGCGCCGCTTTC GCGGTATTGGAAGGTAAATTCGATAGGGTGGCTGCCTTTGTCCGCGTATTCCGGAATGGT GGACACTTGGACGGGAAGGGTTACCGTTTCGCGCGGGGCAACCTTGATACCGCCTTCGGG CAGCCCGGTCAGGGCGATTTCGTCAAAGCCTTTGACACTTGCGGTAATCAGCTGTTCTTT GCGCACCAGTACGCCACGGTCTTTCAAAATATCGACCTCGACCATTTTGCGCGTGGACAA ACCGGCCAGGAAGGCAATGATAACTAACGCCAACACCGCGCCGTAACCTGCCACGCGCGG TCTGAGCAGCCGTTTTTTAATGTCTTTTTCAGAATATTCGTGTTCCAGCGCGCTTTCGGT CGTATAACGGATTAATCCGCGCGGATAGCCCATTTTGTCCATAATCTCATCGCACGCGTC GATACAGGCGGCGCAGCCGATACATTGGTATTGCAGACCGTTGCGGATGTCGATGCCGAC GGGGCAGACTTGGACGCACATCGCACAGTTGATGCAGTCGCCCAAACCCGCCTCTTCCTT ATTGACCGTTTTCTTGCGCGCGCGCGCGCGTTCGCCGCGTTCCGCGTCATAAGAAACAAT CAGCGTGTCCTTGTCGAACATCGCGCTTTGGAAACGTGCATACGGACACATATGCAGGCA TACTTTTTCACGCATAATGTGGGCGAAGAAGAAGGTCATAAAAGCCATAAAACGCTGCGGC GACAAACCAGCCTGCAAACGTGATGCCCGTCCACGCGCAGACAAGGAAAATCAGCAGGTA TTTGGTGGCTTTGATGCGGATTTTAGTGAAATTCCACGGCGATTTTTCCAGTTTCAGCCG TTTGTTTCTATCGCCTTCGACCAGGTTGTCAATCCACAGCATAATTTCGGTGTAAACCGT TTGCGGGCAGGAATAGCCGCACCACAGTCGCCCTGCAATCGTCGTCCACCAAAACAGCCC GAAGGCGCAAATCATCAGCAGCAAGGCAAGGTAAATCAAATCGCCCCACCCCCAACGACAA GTTGAACCACGGAATGACGTAAAACACAAACTGCGTCGCCAATACGGCGGCGATACGCAG GGACGTGCCGATTCCGGATGCCGGACTGCCGGCTTGGTTTTCCGTGGTCATTCTGCATTC CTTAGATTTTGATTGATGGTTTGCCCGTTACCGCCGCCGTTTGCTTTTCAGACGTCATT TTTCTTGTTTTTTAAGGCGTTGTGTTTCAAGTTTTGAGAAAATCCGTTTTTCCCAAAATA TATTTCCGCTATTGTACAACTTTATGCGCCGTCCGGATGTATGGGGGCGGATACATTTCCC ATCCGCATCAAAACGCCTGGATTTTACCTTACCGCCCGAACAAAATCCGAATACGGTTAA AAAAAAAGACTAAAAAAACCGACACCCCCATATCGGCAGAACCGACGGCGCAAGCTCATA AACAAACGCTATCGACAATCCGGCACACAATCTATAACTTTTTATTTCAAAAGGAATAAT GGCAGGCTTCGCCCGCAAATCGAAAATCCTTCCCCGCCTGTCCCCTGCCGCCGCCTTCCC ACGCGTCCGCCCTTTTCTTGAAAGCATAAGCGAATCGGGCGATAATCAACGCTTTCCGAT TATCCACTTATCTGAAACACCAGCAAGGAAAATACAAAATGTCTCAACTGGCAAACGCAA TCCGCTTCCTCTCGGCCGATGCCGTTCAAAAAGCCAATTCCGGCCACCCCGGCGCGCCTA TGGGTATGGCGGAAATGGCGGAAACATTGTGGACGAAATTCCTCAATCACAACCCCGCCA ACCCCAAATTCTACAACCGCGACCGCTTCGTCCTCCCAACGGCCACGCGTCTATGCTGT TGTACAGCCTGCTGCACCTGACCGGCTACAACCTAAGCATTGAAGACTTGAAAAACTTCC GCCAACTGCACAGCAAAACCCCCGGCCATCCCGAATACGGCTACACCGACGGCGTGGAAA CCACGACCGGCCCGTTGGGGCAAGGGATTGCCAACGCGGTGGGTATGGCATTGGCAGAAA AAATCCTTGCCGCCGAATTTAATAAAGACGGTTTGAACATCGTCGATCATTACACCTACG GCACCTTGGGCTTGGGCAAACTGATTGTTTTATATGATGACAACAATATTTCCATTGATG GTAAAGTGGACGGCTGGTTTACCGAAAACATCCCGCAACGCTTTGAAAGCTACGGCTGGC ACGTCGTTCCCAATGTAAACGGTCATGACACCGCCGCCATTCAAGCCGCCATCGAAGCCG CACGTGCCGAAACCGGCAAACCGTCCATCATCTGCTGCAAAACCTTAATCGGCAAAGGCA GTGCCAACAAAGAAGGCAGCCACAAAACCCACGGCGCACCTTTGGGCGCGGACGAAATCG AAGCCACGCGCAAACATTTGGGCTGGACTTACCCCGCCTTTGAAATCCCGCAAGAAATTT TCGCGCAATATCAAGCCAAATATCCTGCCGAAGCCGCAGAATTTGTGCGCCGTATGGATA AAAAGCTGCCGGACAATTTCGATGAATACGTTCAAGCCGCATTGAAAGAAGTGTGCGCCA AAGCCGAAACCATCGCCACCCGCAAAGCCAGCCAAAACAGCATCGAAATCTTGGCAAAAG AGTTGCCTGAATTGGTAGGCGGTTCTGCCGACCTGACCCCGTCCAATCTGACCGACTGGT CAAACAGCGTCTCCGTTACCCGCGACAAAGGCGGCAACTACATCCACTACGGCGTGCGCG AGTTCGGCATGGGTGCGATTATGAACGGTTTGGTATTGCACGGCGGCGTAAAACCCTTCG GCGCGACTTTCCTGATGTTCAGCGAATACGAGCGCAATGCCCTGCGTATGGCTGCGTTGA TGAAAATCAACCCTGTATTTGTGTTTACCCACGATTCCATCGGTTTGGGCGAAGACGGCC CGACCCATCAACCGATTGAGCAAACCGCCACCCTGCGCCTGATTCCGAATATGGACGTAT GGCGGCCGTGCGACACCGCCGAATCCTTGGTGGCTTGGGCAGAAGCCGTCAAAGCCGCCG ATCACCCGTCCTGCCTGATTTTCAGCCGTCAAAACCTGAAATTCCAAGCGCGCAGCGAGC AACAACTGAACGACATCAAACGCGGCGGCTACGTCATCAGCGAAGCCCAAGGCAACGCCC AAGCCGTCATCATTGCCACCGGCTCAGAAGTCGAGCTGGCTTTGGAAGCGCAAAAAGCCC TCGCCGCGCAAAACATCGCCGTGCGCGTCGTTTCCATGCCGTCCACCAACGTATTCGACC GCCAAGACGCCGCCTATCAAGCCGCCGTCCTGCCCGAAGGCCTGCCGCGCATCGCCGTAG AAGCCGGACACGCCGACGGCTGGTACAAATATGTCGGACTGAACGGCGCAGTCGTCGGCA TCAACCGCTTCGGCGAATCCGCCCCTGCCGATTTACTCTTCAAAGCATTCGGCTTTACCG TGGACAATGTGGTTGATACGGTGAAATCCGTGCTGTAACCCCACACCTAAACAAATGCCG TCTGAAACCAATTAGGGCTTCAGACGGCATTTTTATATTCTCGCGGCCATGATGCTTTCT CATCCCACCAATCTCCATTATAATATTTGCGAATCACTCTTATTCACATTTCAAAAGGAG AAACGCATGAGCACCCGTACCGAACACGACACGATGGGCAATGTCGAAGTCCCATCCGAA GCCTATTGGGGCGCGCAGACCCAGCGCAGCCGCAACAATTTCAAAATCGGTGGCGAAACC CTGCCGCAGCCGTTGATTTATGCTTTGGCATTGGTGAAAAAAGCCGCCGCTGCCACCAAT GTTTCCCTCGGTAGGATTAAGCCTGAACAGGCGGATTTGATTACGCAGGCGGCGGATGAT GTGTTGAGCGGCAAGCTCGACGGGCAGTTCCCATTGGTAGTGTGGCAGACCGGTTCCGGC ACGCAGTCCAATATGAACATGAACGAAGTGCTGGCAAACCGCGCCAACGAAATCGCCGGT

ACGGGTTTGGCGGCTTATCAGCCCGTCCATCCCAACGACCATGTGAACCACGCGCAATCG ACCAACGACGCATTCCCGACCGCTATCCACGTTGCCGCCGCGATTGAAATCAACCGCCAC CTCATCCCGCCGTAAAAGCCCTGCGCGACACGTTGGACAAAAAAGCCCAAGCTTTCGCC CCTATCGTCAAAATCGGCCGCACCCACTTGCAAGACGCGACGCCGCTGACTTTGGGACAG GAATTTTCCGGCTACGTTTCCCAGCTTGATCACGGTTTAGGCCGTCTGAACGATGCGCTT AAAGACTTGTATGAACTTGCTTTGGGCGGTACGGCGGTCGGCACGGGTTTGAACAGCCAT CCCGAATACGCCGAAAAAGCCGCCGCCAAACTCGCCGAATTGTCCGGCTTGCCGTTTGTC AGCGCGCCGAACAAATTTGAAGCCCTGGGCGGACGCGATGCCGCCGTTGCCGCTTCGGGC AGCGGCCCGCGTTGCGGTTTGGGCGAAATCAAAATCCCCGAAAACGAGCCGGGTTCGTCC ATTATGCCGGGCAAAGTCAACCCGACCCAATGCGAAGCAATGACGATGGTGTGCTGCCAA GTGTTCGGCAACGACGTTACCATCGGTATGGCGGGCGCGTCGGGCAATTTCGAGCTGAAC TGCAACAGCTTCAACGAACACTGCGCCATCGGCATCGAACCCGTGCCGGAAAAAATCGAC TATTTCCTGCACCATTCCCTGATGCTGGTTACCGCATTAAACCGTAAAATCGGTTACGAA AACGCCGCCAAAGTCGCCAAAACCGCCTACAAAAACAACAAATCGTTGCGCGAAACCGCC GTTGAGTTGGGCTTGCTGACGGGCGAAGAATTTGACGAACTGGTCGTTCCTGCCGATATG GTTCATCCGCGCTAATCCTTCCCTCAAATAAAATGCCGTCTGAAACCTCGTTCGGACGGC **ATTTTCCGTTGCCTGCAAACTAGCGGCGTTTGAACAGCCTGTCCCCCACCGCCGCCGTAA** CCGCACCCCGACCACGATCAGTGCGCCTGCATAACCCAAACCGTTCATATCCGGCGCGG CAAAAGTATCAGGCATCACATAATGCCCGAGCAAAGAAAATATTACGGTAAACACGGGGA GCAAGGTTGTTACCGCGCTGACTTTGGAAGCCTCCCAATGTTTCAACGCCTCGCCGAACG AGCCGTAACCGATTAACGTATTCAAGCAGCAATACGCAAAACCAAACCCACGCCAACGTAC CGTCCAAACTTCCGATGTGTGCCGGTTCGGCAAACGGCAGGAACACGGCGGCACTTGCCG CATAAATCAACAGCAGAATCTGTTGCGGCCCGAATTGCGCCGACAGCAGCTTTTGCGCCA CGGCATAACACCCCATGCCATACTGCCTGCCGCACACAGCAACACGCCCTTCGCATACG CGCCCAAACCCGACAACTCGCCGAATTTATCGTTAAAAAACATAAGCAAACCGGCAAGCA GCAAAACCAAGCCGATTTTCTGAGCGGCAGTCATCCGGTCTTTAAACACCAACACACCGA CAACAATCATCGTAAACGGCGAAATCTGCCACAAAACCTGCGTCGTGGTCGGCGAAATAT **AATGCAGCCCTTGGGCAATCAGCACAAAGTTTGCCGAAATGCCCGCCACGCCGAGCAGCA** CGACAAACTTCAATACCTGCCGCACGGCAATCGGCAGCGTTCCCCACGTCATCGCCGCCA **AAAGTGCCAACGCGAAGCCTAGGAGCGGCCTTTGGTTTTCCATCCTGATTTTCCTATTTT** TAAACAACCGTATTGCCGGACGATGCCGGTTTGCCGCATCGGGCAATGATGGTTCAAGCG TTTGGCGTTTGATTCCAACCCTTTGATTTCAAACAAACCGGCTGAAGCTCGGCTATTGCT TCGCGCTATTTGAAAACACCGCCTGAATTTTAAAATATAGTGGATTAACAAAAACCAGTA CAGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTCAAGCACCAAGTG **AATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTA** CCGAACGCCCAATCGCAACGTTCCGCCCAACGCAAAGGCCGGCAACAAGCCGGCCCAAA TGCAAAAAAGAGAAACCCTGCCCCGTAAGGTTTAAGGTTTCTCCGTCCTTTATGATTTCC CTCCGCGAGGATGTCCGGCCGTAAAATTCAGAACGGGATATCGTCGTCAATGTCCTCGAC CGGGGGGGGCAGGCACGGGTTGGCGGCGCGCGCGCGCTGGTGCTTCTTGGGGATGGGA CGGCGCGTCGGAGGCGGGCTGCCGGCTTTGCTGCGCGGGGCGTTGGTAAGCCTCCTGACT TTTCATTTCGTTGGCGACAATATCGTAAGCGGTGCGTTCGATGCCGTCTTTGCCTTGGTA TTTGCGGCTTTGGATTCTGCCTTCCAAATAAACCAGCCCGCCTTTTTTGAGGTATTGCCC GGCAATTTCCGCCAGTTTGCGGTACATGGTGATGTTGTGCCACTCAGTACGCTCTACACG TTGGCCGTTGCGGTCGTTCCAAGTTTCGCTGGTGGCGACGCTGAAATTACAAACCGCCTC GCCGTTGGGCATATAGCGCACTTCGGGATCGCGTCCGAGGCGGCCGATGAGGATGACTTT GTTCAATGACATTTTTTAAACTCCTGTGATGATTTTTTCAGCGGCAGCCTGATCGAAACC CTTCTGCAACACTTTGAGATAGACGGTCTGCCCGTCGAAACTGAAACCGATGTCTTCCAC ACCCTCAAGCTCCGACAAGGCGCGGTATAACCCTTCCTGATTGCCCTGCCACACGCCGCC GACAGGGTAACTGAGGTTTTTGACGGGCTTTGGGCGCAGGCGATAAAACGGCAATTACCAG CCACAGCAGCATCAATATACTGCAAAAGGCAAACACGCCGGAAAAGCCGTATTTTTGAAA CAGCAAACCGCCTGCCGCGCCGCCGCAAACAGTCCGAGCGACTGCATCGTGTTGTACAC GCCCATCGCCGTACCCTTCAGGTCGGACGCGCGCGATTTTGGAAACCATAGACGGCAGGCT CGCTTCCAACACATTAAAACCGATAAAGTAAACAACCAAATAAGCGGTAATCAAGCCTAC CGAGCGCATACCGGACAGCAAACCGAGCTGCGCCGCCAATACAGACGATACCCAAAAC **AAAAACCTGCTTAAGCTTGTTGCGCGTCTCGCCGACGATAATCAGCGGAACCATCACCAC** CAAGCCCGTAATGGTCGAAGGCAGATAGACTTTCCAATGCTGTATTTTTTCCAAACCGAG CTGGGTCATCGCGAAAGGCAGCGCGGTAAACAATGCCATTTGTGCGGCGTGCAGGGCGAA AATGCCGAAATCAAGCGTCAGCAGCCTACGGTTTTTCAAAACTTCGCCTATGCGCGAAGG CTGCGCCTGCGTATCTTCGTGCAGCTTGGAAACTTCGGGATCGGGAGTCATCCACGCCAC CACGCCGATGCTGATGACGGTCAGAATGCCGGTCAGCATAAACAGTCCGCGAACGCCGAC CGCGTCGGCAATCACGGGGGCAACGACGAGGCTGACCGAAAACGTCAAACCGATACTCAA ACCGATCATCGCCATTGCGCGGGTACGTACGCCGTCGCGCGTCAAATCCGCCAGCAGCGC GGTAACCGCCGCACTGACCGCCCCTGCACCCTGTATGGCGCGTGCGGCGACCAGCATGGG CAGCGTATCGGCGGCGGCGAAGAAGCTGCCCGCCAAACACGACCAGTCCCGCATA AATGGTTTTCTTGCGCCCGAACTTGTCGGAAGCGATGCCCAAAGGCAGTTGCAGCAGAGC CTGTGTCAGCCCGTAAATGCCCATTGCCAGCCCGACCAGCGTTTTGTTGCCTTCCGCGCC GGGCAGCGAGGCGCATACACCGCCAATACGGGCAGCACGAGGAACATACCCAGCATACG CAGGGGGTACACGCCGGAAAGCGTCGTACTGGGGGCGCCCATTCGTGCGGAAACATTTGGAT GCGGTTGTCTCTTGCCATCATATTTTTCAGACGGCATCAACAGTTGCAATGCCGTCTGA

ACTTCCAGTGAACAGATTTTCGGATTATACAGGATTCGCCGTATTTCGGTTGCGGCGCGG GTTCAAAATCAACGCCACTGCCAGCGGTTGCGCCACGCGCCCAAAACGGCGTTCGGATAT TTATTGCTGCCCAAGCTGCCGTTAAAGCGGGCAAGCGCGGACGATGTTGCCTTTTTCA AGATTCCGGTAATGGCGCAGGATGGTACAGCCGTAACGCAGGTTGGTGCGGATGTCGAAC AGGTTGTGCGCCGGTTTGCCGATGTAGTTTTTCCAAAACGGCATAACCTGCATCAGGCCG CGCGCGCCGACACCGCTGATTGCATACTGGCGGAACGCGCTTTCCACCTCAATCAGCCCC AACACAATCTGCGTATCCAAACCGGCCCGGCTGCTTTCGTACTGGATATTGACCAGCAGC CTGCGCCGCTCCTCCTCGGGGACGAACCTTGCCAAACGTGCCGACATGGCAGACAAC CAACGCTCGCCCTCTTTCGGATTGTCAAACACCAGCCTCGGCGGATTGACGCTGCCGACA GAACTCCTCATCACGGAAGCCACATCGTCGGCAAGCGTTTCCTCACGTTGCGCGCCGGCG TGCGCCAGAGGACTGAGCAACAACGCACCGGCGGCACACAACAGGCGGCGGCGTTGCAGA TTAACGGGTAGGGTATCGGTCGGTTTTCTCATAGGGAACGGGGGCGCGTCCGGACGTTTC AGACGGCATTAAATATTCAAACAGACATAATTGCTTTCAACGCGAAAAACCGCGCGCAAA ATCCAAGCGCGCATATCGCCCTGCCCTTTTCGGGCAAACCTCAATTCTACCGCCCTCAA GAACGCTTGTCCAAACAGGCACAGGCAACACCGCCCGGGCATTTCCGTTTTCACCGGTTA TCCGTCGTCCGGATTATGCAGCAGCACCATCAGCGCATCACGCTTTTCGGGCGGCAGCAG GCGGAAATATAGTAGATTAAATTTAAACCAGTACAGCGTTGCCTCGCCTTGCCGTACTGA GAAACCCAAACACAGGTTTTCGGCTGTTTTCGCCCCAGATACCTCCTAATTTTACCCAAA TACCCCTTTAATCCTGCCCGGACACCTGATAATCAGGCATCCGGGGCACCTTTTAGGCGG CAGCGGGCGCACTTAGCCTGTTGGCGGCTTTCAAAAGGTTCAAACACATCGCCTTCAGAT GGCTTTGCGCACTCACTTTAATCAGTCCGAAATAGGCTGCCCGGGCGTAGCGGAATTTAC GGTGCAGCGTACCGAAGCTCTGTTCGACCACATATAGTGGATTAACAAAAACCAGTACGG CGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAAT CGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTAAATTTAAT CCACTATAACGGGTTTTCGACAAATATCGGTTGCGTTTGGTTTGCGCCTCCGTCAGCGGA CGGTTGCGGCAGGCTTTGCGCATAATGCCGTTCTGCAACCGATGCTCTTTCAGTTTTCCG TAGGTCGGATTCTCGAATCCGACATTACTTCAATCGTATCCAATAGAAAAGTCCGCATTG CCGCCACCCCAATTATGCGGATAAATACCCTGTTTGACATAACGGTGAAACGTAGAAAAC CCCCAATCGGAAATTTGTCCTACATAGCCATGTTTGACCGGATTGAAATGCAGATAATCA AAATGCCAGGCAAAATCGGCCTCATCGCGGATAGTATATTCCCAAAAGCGTTTTTGCCAA AGCCTGAGATTGCCGCCGATTAAATATTGGCTGTGCCGCTTGATTTGCCGCCAGCGTTCC GAATAAGCAGAATCATTGTCCGGCAGCCGCCATATGGTATGCAGATGGTCGGGCATCAAC ACCCATGCCAAAATTTCAAACGGATACCGTTCGCGCACCGCCATTACCGCCTGCCGTAAA GCCAAACGCACCGCATCATCGGTCAAAATCTTCTGCCGTTTATTGGTTACAACCGTAAAA **AAGTAAGTGCCGCCATTGCGGTAAAAACGACGGTATTTCATAGTATTATGCTCGGAATGA** TTTTGTAGGTCGGATTCTTGAATTCGACATTTTGGGCATTGCTGCAATGGATTGCAATGA TGGGAATGTTAAAGGTTTTGTCGGATACAAGTATCCGACCTACGCTTGCTGAACCGTCAT TCCCACGAAAGTGGGAATCTAGAATCTCGGGGTTTCAGTCATTTCCGATAGATTCCCGCC GCGTCAGGGGGTCTGGATTCCCGCCTGCGCGGGAATGACGGGTTTCAAGATTGCAGTGTT GAAACCTGCACCACGTCATTCCCACGGAAGTGGGAATCTAGAATCCCGGGGTTTCAGTCA TTTCCGATAGATTCCCGCCGCGTCGGGGGTCTAGATTCCCGCCTGCGCGGGAATGACGGG TTTCGAGATTGCGGTGTTGTCGGAACGCAACTGAACCGTCATTCCCACGACAGTGGGAAT CTAGAATCTCGGGGGTTCAGTCATTTCCGATAGATTCCCGCCGCGTCAGGGGGTCTAGAT TCCCGCCTGCGCGGGAATGATGGGTTTCAAGATTGCGGTATTGTCGGGAATGACGAATCC ATCCATACGGAAACCTGCACCACGTCATTCCCACGAAAGTGGGAATCTAGAATCCCGGGG TTTCAGTCATTTCCGATAGATTCCCGCCGCGTCAGGGAGTCTGGATTCCCGCCTGCGCGG GAATGACGAATTTCGAGATTGCGGTATTATCGGGAATGACGAATTTCGAGATTGCGGTAT TGTCGGGAATGGCGGGTTTCAAGATTACGGTGTTGTCGGGAATGACGGTTCGGGTATTTC CACGCCCGCCCCGCGCTGTAAACGGCAGGTGAATCAAAAATGCCGTCTGAAGGTTCAGA CGGCATCGGTGTCGGGGAATCAGAAGTGGTAGCGCATGCCCAATGAGACTTCGTGGGTTT TGAAGCGGGTGTTTTCCAAGCGTCCCCAGTTGTGGTAACGGTATCCGGTGTCTAAAGTCA GCTTGGGTGTGATGTCGAAACCGACACCGGCGATGACACCAAGACCTAAGCTGCTGATAC TGTTGCTTTCGTGATAGGCAGGTTTGTTGGTCGGACCTTGTACGATTTTGCCTGGCACTG TAGCGCCTTGCGCTGGTGGACTGAAAGTAGTCGTGGTTTCTTTTCTCACCGAATGAACCT GATGTTTAACGTGTCCGTAGGCGACGCGCGCACCGATATAGGGTTTGAATTTATCGAATT TATCGTTGAGTTTGAAATCGTAAATGGCGGATAAGCCGAGAGAAGAAGCGGCGTGGAATG TACCGTTTTCCTGATTTTCCGTCTTCAGTTCTTGCCAGATGCCACTGCTATTGTTTTTTT GCAACTCTTTTGTGTTTACGGAATATTTATTGTTGTTCCATTTTCTGTAACTGGCATAAT TCGGATAATCGTGGGTAATGCGTTCGGCGGCATAAGCTAAATCCGCCTGCACATAATACG TGTTGCAGGAGCGGACTATATCAGGTTTGTGGCGATGTTTCAACACAATATAGCGGATGA ACAAAAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTAT TTGTACTGTCTGCGGCTTCGTTGCCTTGTCCTGATTTTTGTTAATCCGCTATAAACAACG CTTCGTCCGAAAAAACGATTGAATTTGCGGGCAGAAGCTGGACGAAAACCGCCGACAGCC TGCCGCAAAAGGCACACGGTTTGCGCTAGGGCTTAGGCGTGTCGCGCGAAATCAATGCGG GCAGGCATCATTTCCTCTACGGCGGCATCAGCGGCGGCGGCGTGCATTATTGGGATAACA **AAGATTTCAGCGAACAGAGCCTGCGCCTGTCGTTCGGCTATAAAAACCGTTCGGTAACGC** GCTCGTTCGGCATCGTGCCGTTTGTCGAGCAAAACCTCTTAGGCGGCAGCCGATACAATT TCGTCGGCGGCTTCAATGCCGATTTCTCCCAACGCTTGAGCGAACGCTGGCGGTTGACAC TAAACGCGGGCAATATGTGGAAGCATTATCAGGAAGACCGCACCGCCCCCGATACGACA GCCATATGCCGCTGGCGGGCGCGACGCTGATGTATTCCGCGCCGAAAGACTGGCTGCTTT ACGGCGGTGCGGACTGGTCGCACATAACGAAAGAGGCGGAACAGGCTTCCATCCGCA AGGGTTTGCGTGTCGGCGCGGTCAAAACGTTCGACGGCGGCTTGGGTCTGCGGGCAAACC TGCGCTATACCCGCAGGATGTTTGACGCACCCGGGACCATTGTGTACCGCTTCCCGCGCA **AAGACCACGAATATCAGGCAAACCTGTCGTTGTGGCATGACAAAATCTCTTGGAAGGGCT** TTACGCCGCAACTCAATTTCCGCTATCTGAAAATCGACAGCAATATGAAAAGTTTTTACA CACGCAAAAACATGCAGATTTTCATGAGCGTGGAAAAGGATTTCAAATAAGCGCAAAAAA TGCCGTCGGCAACATCCGTGGGCAGAATCAAAAACCGCCGCATCATTTATTGTCAACGCC TGCGCCGTCAGAGTAACATTGCGTTTTTCCCCCACCGGTATCCGCCATGACCACCACCCC CGCAAACGTCCTCGCCTCCGTTGGTTTGGGTTCCAACAGTTTCCGCCTCCAGATTTGCGA AAACAACAACGGACAATTAAAAGTCATCGATTCGTTCAAACAGATGGTGCGCTTCGCCGC CGGACTGGACGAACAGAAAATCTGAGTGCCGCTTCCCAAGAACAGGCTTTGGACTGTCT GGCAAAATTCGGCGAACGCCTGCGCGGCTTCCGCCCTGAACAGGTACGCGCCGTGGCAAC GGGTTTCCCCATCGAAATCATCGCCGGGCGCGAAGAGGCGCGGCTGATTTATACCGGCGT GATCCACACCCTCCCCCGGGCGGCGGCAAAATGCTGGTTATCGACATCGGCGGCGGTTC GACAGAATTTGTCATCGGCTCGACGCTGAATCCCGACATTACCGAAAGCCTGCCCTTGGG CTGCGTAACCTACAGCCTGCGCTTCTTCCAAAACAAAATCACCGCCAAAGACTTCCAATC TGCCATTTCCGCCGCCCGCAACGAAATCCAGCGTATCAGCAAAAATATGAGGCGCGAAGG CGAAATGCCCCAAGAGGCGGACATTACCTACAAAGGCATGCGCGCCCTCGCCGAACGCAT CATCGAAGCCGGTTCGGTCAAAAAAGCCAAATTTGAAAACCTGAAACCGGAACGCATCGA AGTTTTTGCCGGCGGACTTGCCGTGATGATGGCGGCGTTTGAGGAAATGAAACTCGACAG GATGACCGTAACCGAAGCCGCCCTGCGCGACGGCGTGTTTTACGATTTGATCGGGCGCGG TTTAAACGAAGATATGCGCGGACAAACGGTTGCCGAGTTCCAACACCGCTACCACGTCAG CCTCAATCAGGCGAAACGCACCGCCGAGACCGCGCAAACCTTTATGGACAGCCTCTGCCA CGCTAAAAACGTTACAGTTCAAGAGCTTGCCTTGTGGCAACAGTATCTCGGACGCGCCGC CGCGCTGCACGAAATCGGTTTGGACATCGCCCACACCGGCTATCACAAGCATTCCGCCTA CATCCTCGAAAACGCCGATATGCCGGGTTTCTCACGCAAAGAACAGACCATACTTGCCCA ACTGGTCATCGGTCATCGCGGCGATATGAAAAAATGAGCGGCATCATCGGCACCAACGA **AATGTTGTGGTATGCCGTTTTGTCCCTGCGCCTTGCCGCACTGTTCTGCCGTTCGCGCCA AGACCTGTCTTTCCCGAAAAATATGCAGTTGCGCACGGATACGGAAAGCTGCGGCTTCAT** CCTGCGTATTGACAGGGAATGGCTGGAACGCCATCCCCTGATTGCCGACGCATTGGAATA TGAAAGCGTCCAATGGCAAAAAATCAATATGCCGTTCAAAGTCGAGGCCGTCTGAACCTT GCGGAACAAATGCCGTCCAAACCCTGTCCAGACGGCATTTGCCTGTCCGCAACATCCCGA TATGCGCGGCACATCTGCTCGGAACGGTCATGCAGGCGTAAAAAAACAAGGGGCACATAAC CCAAAAACCGCCTGAAAATCTTCAGGCGGTTTCGTTTGGGTTGCCGGCAGGCGGCATCCC ATCATTTTTGCCAAGGCAACAAATTATTTGGCGGCATCTTTCATTTTGTCTGCCGCTTCC TGAGTCGCGTCGGCAGCTTTGTTCAAAGTATCTTTAGCTGCTTCAGTTACAGCTTCTTTG GCTTCAGTTACAGCTTCCTCGGCACTTGCCTTTGCATCAGCCGCAGCATCTTTGACTTGG TCTTTCGCTTCTTCGACGGCAGAAGCGGCAGACTCGGCGGCAGAAGCCGCAGTGTCTTTA ACATCGGACTCAACGGCTTGAACCGCTTCCTTAACCTCCTGTTTGGCTTCTTGCGAACAA GCTGCCAAGGCAGCCGCCATCATTGCGGCAATCAATAATTTTTTCATGTCTTATCCTTCT TGAGTTGTTGATTAAGGTTTTGCTTAAAAATCGGACCGTGTTCCATCAATCGGCTGATTT TGCCCATCGACCGGAGAGAAACGGTTTCCCGTTTAGTTAAAACCCATTATATTTAAATA TAAAGGTTTTTTTCTCGAACAATAAGGCGGCATCAATGCCATATTGAAACACGTCCGAAA ACTATTTTATGAAAACAGTTCGGAAAATTGTAACACATATCCCCCTCCTTTTGAGTTTCC CGACGGTGCGGACTTTTTCCTGCAGGGTTTGAAAAACCCAAATATATTCCGGGATGTCCG AATACCTCAATAATGGCGGCGGCGGAAATAAAACGCCCCTTCGCTGTCGATTTCCAGCAC GGCATGCGAAACTAGGTAATCCGTCAGTTTGCCGCCGTCTTCGGCGATATTGCCCACCAG TTTGGCAAACAAGGTATGGCACACGCCGTTTTCTGCCCAACCTGCCGGACTGTCCTTATC ATCGGTTTCCATACATTTGCCGCTGACGGCTTCCAAGTCGCCGGGATGCTTGCCGATCAG TCGGATAACATTTTGTTCCGGCAAGCCTTTAATCGGATAACTGATTTGTTTTTTGCCGTC GTTGGTTTTGCCTTCGCTGCTTTGTCCCAAATCCAAACCGGCAATCGCCGTATTGTCGAT **ATATTTGACTTTGAAAACCGGTTTCGGCGCGCTTTTGTACCGCGTTTTGCGGCTGTTCCGC** CGTATTTTCGGATTTGCCGCAGGCGGCAAGCAGCAGCCGCCCAATACGGCAAAAGA TGTTTTCAGCATTCCACACTCCTGATGGTTTCAAAATGCCGTCTGAAACGCGGCAGGCGG AGGTTCGGACGGCATCGGGTTCATTTCAACGGGCGGATGCCGACCGCATCGCGTACTTTG ATTTGCGAAGGGTCGGCGGTCAGCTCGTTGTAGCGTTCGCGCGGTTCGGCGAGTTCGGCG TTGATTTTCGCCGCCAAAAGTTTTTTGGCTTCACCCCACGCCAAGCCGTCGGCAAGCATT TTCGTAAATTCCACCGTTTCAGACGGCGTGGAGAAGGCTTTGTAGATTTCAAACAATGGG CTTTCGTCGGGCTGTTTCGGCTCGCCCGGCTCTTTCATATTGGTGATGATTTTGTTGACC GATTTTTGGGTTTTTTGTCGTTTTCCCAAAGCGGAATGGTGTTGCCGTAGGATTTGGAC **ATTTTGCGTCCGTCCAAACCGACCAAGAGTTCGACGTTTTCATCGATTTTCACTTCGGGC** ACGTGTTGGATTTGGTCGCCCCGACGGGCACTTCGTTGGCGTTGAACATCAGAATATCG GCAGTCATCAGAATCGGATAACTGAACAAACCCATTTCCACACCGAAATCAGGGTCTTCC TGCCCGTTTTCTGCATTTGCCTGCACGGCGGCTTTGTAGGCATGGGCGCGGTTCATCAAA CCCTTGGCAGTGATGCAGGTCAGAATCCAGTTCAATTCCATCACTTCGGGAGTGTCGCTT TGGCGGTAGAAGGTGGTGCGCTCGGGGTCGAGTCCGCAGGCAAGCCAAGTGGCGGCAACG GCTTGGGTGGATTGGTGAATCATCTCCGGCTCGTGGCATTTGATGATACCGTGGTAATCG

GCGCCGACGTAGTTGCCCAGATGCGGGATGCCGGTGGTGGTTACGCCGGTCAGAACTCGT TTTTTGCTCATAAAAATGTCCTTGCGGCATCAATGCCGTCTGAAAGGGAAAAAGATGTGC CGATTATACCCGATTTGCCACCTACATCCAGCCGACAACAGACTTTTCCATATTAAGAAG ATATAGTTATACACATTATTATACATTTTTATATACTTTAAATTCAATGATATATCGAAT TAAATATAGAAAAACAGAAACAGAACTTGAGTTATCCACAATTATGCACATATAGGCTT CGACAGCGGACATTTTGAAAAGGAAACAAAAATGCGATACGACAAATTAACCGCCAAATT CCAACAAGCCCTTGCAGAAGCTCAGAGTTTGGCGTTGGCTGCGGACGGCAGCTATCTGGA AGCGGGCTTTGTGTTAAAAGCCCTGCTTGACGACCAAAACAGCGGAGCCGCCGCCTCTT GGCTCATGCGGGCGTGAACGTGCCGCAGGTGAAACAGCGTTTGCAGCAGCATTTAAACAG CCTGCCGAAAGTGTCCGGTCAGGGCGGCGATATTCTGCCCAGCCGAGAATTGCAGGCGGT GTTGAACCTGATGGACAAAGCTGCCACCAAACGCAGCGATGCCTATATTGCCAGCGAACT TTTCCTGCTTGCCTTGGTACAGCAGAACGATGCGACCGGCAAAATTTTGAAAGAAGCCGG CGCGACCGAACAAAACATCAATGCCGCGATTGACGCAGTACGAGGAGGACAAAACGTGAA CGATGCCAATGCCGAAGACCAACGCGATGCTTTGAAAAAATATACGCTTGACCTGACCCA GCGCGCCGCGACGCAAACTTGACCCCGTTATCGGTCGTGACGACGAAATCCGCCGCGC GATTCAGGTATTGCAACGCCGTACCAAAAACAACCCTGTGCTGATTGGTGAGCCGGGTGT GGGTAAAACCGCCATTGTTGAAGGCTTGGCGCAACGTATCGTCAACGGCGAAGTACCTGA ATCCCTGCGTAACAAACGCTTGCTGGTTTTGGATTTGGCGGCGTTTGATTGCCGGCGCGAA ATACCGCGGCGAATTTGAAGAACGCTTGAAAGGCGTGTTGAACGATTTGGCGAAAGACGA CGGCAACACTCTGATTTTCATTGATGAAATCCATACTTTGGTCGGCGCGGGCAAAACCGA ${\tt CGGCGCGATGGACGCGGGCAATATGCTGAAACCGGCTTTGGCACGTGGCGAATTGCACTG}$ TATCGGCGCGACCACTTTGGACGAATACCGCCAATACATCGAAAAAGATGCGGCACTCGA ACGCCGCTTCCAAAAAGTATTGGTTGGCGAGCCAAGCGTGGAAGACACCATCGCTATTTT GCGCGGTTTACAGGAGCGTTATGAAATCCACCATGGTATCGATATTACCGACCCTGCTAT GATTGATTTGATTGACGAAGCCGCCAGCCGTGTCAAGATGGAAAAAGAAACCAAGCCGGA AGCAATGGACAAAATCGACCGCCGTCTAATTCAGCTTCGGATGGAAAAGGCGCACGTTGA AAAAGAAAAAGACGATGCCAGCAAAAAACGTTTGGAACTGATAGACGAGGAAATCAACGG TCTGCAAAAAGAATACGCCGATTTAGACGAAATCTGGAAAAGCCGAAAAAGCAATTTCAGA CGGTGCTGCTAATATTAAGAAACAAATTGACGAAGTCAAAATTAAAATCGAACAGGCAAA ACGGCAAGGCGATTTGGCACTGGCTTCAAAATTGATGTATGAAGATTTGGAGCATTTGGA CTTGCGTAATAATGTCGGCGCAGAGGAAATCGCAGAGGTGGTTTCCCGTATGACCGGCAT TCCCGTATCCAAAATGATGGAAGGCGAACGCGACAAACTGCTGAAAATGGAAGAAGTATT GCACCGCCGCGTGGTCGGACAGGACGAAGCCGTGCGTGCCGTGTCCGACGCTATCCGCCG CAGCCGCTCCGGTCTTGCCGATCCGAACAAGCCTTACGGCAGCTTCCTGTTCTTGGGCCC GACCGCCTGGCTAAAACCGAGTTGTGTAAAGCCCTGGCAGGCTTTCTGTTCGACAGCGA AGATCATCTGATTCGCATCGATATGTCCGAATATATGGAAAAACACGCCGTTGCCCGCTT AATCGGCGCGCCTCCGGGCTATGTCGGCTACGAAGAAGGCGGCTACCTGACCGAACAAGT GCGCCGCAAACCGTACAGCGTGATTCTGCTGGACGAAGTGGAAAAAGCCCATCCCGATGT GTTCAACATCCTGCTGCAAGTATTGGATGACGGCCGCTTGACCGACGGACAAGGTCGCAC CGTGGACTTCAAAAATACCGTTATCGTGATGACTTCCAATATTGGTAGCCAACATATCCA ACAAATGGGCATTCAGGATTACGAAGCGGTGAAAGAAGTTGTGATGGAGGATGTGAAAGA ACATTTCCGCCCGAAATGATCAACCGCATCGACGAAGTGGTCGTGTTCCACGGACTGGA TCAGGATAATATCCGCAACATTGCGAAAATCCAGCTCAAAGGCTTGGAAAAACGTTTGGA AAAACAAAACCTGCGCCTGGCTGTTTCCGATGCCGCACTGGACATCATCGCCAAAGCCGG TTTCGACCCGATTTACGGCGCACGTCCGCTCAAACGCGCCATCCAGTCGGAAATCGAAAA CCCGCTGGCAAAAGCCCTGCTTGCCGGAAACTATGCGCCCGAAAGCGAAATCAGGGTGGA AGCCGACGGCGACAGACTGAAATTTGCCTGATTCGTTCCTGCTGTTGAAAATGCCGTCTG AAACGGGAATCTCCGTTTCAGACGGCATTTTTTATCCTCGGCAGACAAACCGTCCCCTTA TTGGCGGTAGGTTTGCAGGAATCTTGCCAGCCTGCCCATCGCCTCTTCAATCTGATGGAC GTAAGGCAGCGTAACAATGCGGAAATGGTCGGGCTTGATCCAATTAAACCCCGTTCCCTG CACCAGCAAGACTTTTTCGCGCACCAGCAAATCGTAAACGAATTTCATGTCATCGCGGAT ACGGTACATTTCGGTATCGATTTTTGGGAACATATACATCGCGCCCATCGGTTTGACGCA GGATACGCCGGGAATCTGGTTGACCAGTTCCCACGCCCTGTTGCGCTGTTCCAAAAGCCG TCCGCCGGGCAAAATGAATTCGTTGATGCTCTGATAGCCGCCCAATGCCGTCTGAATCGC GTGCTGCATCGGCGTATTGGCACACAGGCGCATAGACGAGAGCATATCCAAACCCTCGAT GTAACCTTTTGCATGATGTTTCGGCCCGTTGAGCACCATCCAGCCTTGGCGGAATCCGGC TACACGGTAGGCTTTGGACAAACCGTTGAACGTTACCGTCAAAAGGTCGGGGGCAAGCGC GGCGATGTGGTGGAACCGCGCCGTCATAAAGGATTTTGTCGTAAATCTCGTCGGCGAA **AATAATCAAACCGTGCTTGCGCGCCAGTTCGGCGATTTCCAACAGGATTTCCCTGCTGTA** CACCGCGCCTGTCGGATTATTGGGATTGATGACGACGATGGCTTTTGGTTTTTGGGCGTGAT TTTGGCTTCCATATCGGCAAGGTTGGGGAACCAGCCGTTTTCTTCGTCGCACAGATAATG GCGTACCGTACCGCCGCAAGCGTTGCCGCCGCCGTCCACAAGGGATAGTCGGGCGCGGG **AATCAGGATTTCGTCGCCGTCGTTGAGCAATGCCTGCATAGACATCGTAATCAGCTCGGA** CACGCCGTTGCCGATATAGACATCATCAACCGTAATATCGCGCAAACCTTTGGTCTGATA GTAGTGAACAATGGCTTTGCGGGCGGAATACAGCCCTTTAGAATCGCAATAGCCTTGCGA **AGTCGGCAGGTTGCGGATGACATCGACCAAGATTTCATCAGGGGCTTCAAAGCCGAACGG** CGCAGGGTTGCCGATATTGAGTTTAAGGATTTTATTGCCCTCCTCTTCCAACTGAAGGGC TTTTTTGTGAACCGGCCCGCGTATGTCGTAACAGACGTGATCGAGCTTTGCAGACTTGGG ACGCGGAATTTAAAGCATCAAACCGAGATTTTCAGGCTTTTTACCTGCCCTCTTTGCGCC GTTCGCTGACGCTTTTGCCGCCTATTCCCCAGTTATCGGTATCCACTTCGTCAATCACGA CAACCGTTGTTTCGGGATTTTTGCCCAGCACGCGTGCCAGCAATTCGGTTACGCCGCCGA TCAGTTCCGCTTTTTGCGCGGCAGTCGGTGCTTCCTTGCCGCCGGTTACTTTAATATTGA

CATAAGGCATGATCTTTCTCCGTTTTAAAATATTGCTATCTTATCAAACAAGTTGCCTCC GCCCAAACGTCCGCTTCATTTCTGAAAAATTCAAATCGATATAGTGGATTAACAAAAAT CAGGACAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGTGC TTCAGCACCTTAGAGAGTCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTT TGTTAATCCACTATACAAAAAGACAGTTTTCAGACAGCAAATCCGTCTTCACACGATACC TATTTTGTTATAACATAACAAAATCTTTAACCCACACGAGACAAAGGCTGCACCATGAAG AAAACATTGACACTGCTCGCCGTTTCCGCCCTATTTGCCACATCCGCCCACGCCCACCGC GTCTGGGTCGAAACCGCCCACACGCACGCGGCGAATACCTTAAAGCCGACTTGGGCTAC GGCGAATTTCCCGAACTCGAACCCATCGCCAAAGACCGCCTGCACATCTTCAGCAAACCG ATGCAGCTGGTTACCGAAAAAGGCAAGGAAAACATGATTCAACGCGGCACATACAACTAC CAGTACCGAAGCAACCGTCCCGTTAAGGACGGCAGTTACCTCGTCATCGCCGAATATCAG CCTACTTTCTGGTCAAAAAACAAAGCAGGCTGGAAACAGGCGGGCATCAAAGAAATGCCT GACGCAAGCTATTGCGAACAAACCCGAATGTTCGGCAAAAACATCGTCAACGTCGGACAC GAAAGCGCGGACACCGCCATCATCACCAAACCGGTCGGACAAAACTTGGAAATCGTCCCG CTGGACAATCCCGCCAACATTCACGTAGGCGAACGCTTCAAAGTCCGCGTTCTGTTCCGT GGCGAACCGCTGCCCAATGCCACCGTTACCGCCACCTTTGACGGCTTCGACACCAGCGAC CGCAGCAAAACGCACAAAACCGAAGCACAGGCTTTCTCCGACAGCACAGACGACAAAGGC GAAGTGGACATCATCCCCTTGCGCCAAGGCTTCTGGAAAGCCAATGTCGAACACAAAACC GACTTCCCCGATCAAAGCGTGTGCCAAAAACAGGCGAACTACTCGACTTTAACCTTCCAA ATCGGTCATTCGCACCATTAATCCCGCCCGCACAAAAATGCCGTCTGAAGGCTTCAGACG GCATTTTTTGTTCAAACATCAATACCAACCGCGCAGTTTCATCGCTTTTTCAACACGGCG GATACTCATCATGTAAGACGCGGTTCGCAAATCGACATCATACTCTTGCGCCAAGTTCCA CCAATAATAGCCTTGCAGGTTTTGCACCCACTCGAAATAGGAAACGACCACGCCGCCGCA GTTCGCCAGAATATCAGGCACGACCAATACGCCGTTTTGACGCAGGATCACGTCGGCTTC GGGCGTAGTCGGGCCGTTCGCGCCTTCGACTACGATTTTCGCGCGGACTTTACCGGCGTT TTCGGAAGTCAGTTGGTTTTCCAGCGCGCAAGGGGCGAGTACGTCCACATCCAAAGCCAA AAGTTCGGCGTTGGTAATTTCTTTGCCGTAACCGGCTTCGTTGGTGATGAAGCCTTTTTC TTGGAACTCTTTAAACAAAGCTTCCATATCCAAACCGTTTTCGTTGTAAATGGCAACGTC **AACAGTAGAAACCGCAACAACTTTCGCGCCGGATTGATGCGCGTAATAACCTGTGTGGTA** ACCCACATTACCGAAACCTTGAATGGCGTAAGTGGCACCCTTCACGTCCTTGCCCAGTTT TTCCAAAGCTTGGACGGCGAGGTTCACGCCGTAACCGGTAGCCTCGGTACGCGCCAA AGAGCCGCCGAACTCAACCGGTTTTCCGGTAAATACGCCCGGCGGGAATGTTTCACCAC GTTTTCATAAGCATCCACCATCCACGACATAATTTTGCCGTTGGTATTCACATCGGGGGC GGGAATATCGATTTTCTCGCCAATCAGCGGGGCAATCGCTTCAGCATAAGCGCGGGCGAT GCGTTCCAGTTCCGCCTCGGAATAATCGCGCGGATCCAAGGTAATGCCGCCTTTGCCGCC GCCGTAAGGAATACCCGCAACGCAGCATTTGATGGTCATCCAAATTGACAGGGCTTTGAC TTCGTCCAAATTCACACTGGGATGGAAGCGCACGCCGCCTTTATAGGGGCCGACGGCGTT GTTGTGTTGCGAACGGTAGCCCGTGAAGGTTTTGACCGTGTCGTCGAGTTTGACGGG **AAAATTGACTTCCAACACGCGGGTCGGACTCTTCAGGATTTCATAAACGGCCGGATCGGT** TTTCAGCCGGTCACAGGCGGTTTTCACCTGTTTGCGCGCGATTTCAAACGGATTGAGGGT TTCTTTTGCAAGGGCTTCAGACATTTTGCTTCCTTTTCACAAAGAGAGGTTCGGAATGGA ACAAGCCATCAGGTTCGCAACTATAACCAATTTTCAAGCAAAATGTAATAGCGTGTAGTT GGAATCGGCCCGATTTGATTAATCTATATATGATTTTATTTCCCAAGCCGCACGGAATCC **AATCCTTTTATTTTTTAAAAATTTAATTGGAACGGCGCGGGATTTGCACACCCTTCCCG ACTCCGTTCCGAAATCCGGAAACACCGCCGGCAAAACCTGTTTCGATTGTTAACAATCCA** TACATTAGAAGCCCTGTGCAAACGATGTTAAAATAAACCTTTTCAACCCGACAGAAAACC GGATTATGAATGCAGCCATCGAACACGTCCAAGCCGTCGCCTTCGATTTGGACGGCACAC TGTGCGATTCCGTCCCGACCTTGCCGCCGCCGCAGAAGCGATGTTGGAACAACTCGGTA TGAAACCGCTGCCTGCCAAAGTGGTCGAAAGCTATGTGGGCGACGGCATCGGCAAACTGG TTCACCGCGTCCTCACCAACGACCGCGACCGCGAAGCCGATTCCGAACTGTGGGAAAAAG GTTTCGTATCTATATGAAATACTACCGCGACCATTTGAGCGTCTTCACCCGCCCCTATCC CGAAACCGAAGCCGGGCTGGCATTGCTTAAATCTTTGGGCATCCCGCTCGCCGTCGTTAC CAACAAAAACGAAATCCTTGCCTCCGAGCTTCTAAAACAACTGGGACTCGCCGACTATTT TAGCCTGATACTCGGCGGCGACAGCCTGCCCGAGAAAAAACCCCAGCCCCCTGCCGCTGCG GCACGCCGCCGAAGTTTTGGGTATCGATGTTGCAAACATGGTTATGGTCGGCGACTCGCG CAACGACATCATCGCCGCCAAAGCCGCCGGCTGCCTGAGCGTCGGCGTTACCTTCGGTTA CGGCGATATGACGCTGCTCTCGCAAGACGATGCGACCCGCCCCGACTGGATTATCGGCTC GCTGCCCGAAATTTACGAAAACCTGCAACCTCAGAAAAACAAAGAAGAGTAGGCATTCGG ACGGCTCCGGTTTGCGCCGCTATGCCGTCTGAAACCTGCCCCACGCCGAAACCGCCGCCA TGAAACCGCAAAAATCCCTACGCGCCCGCGCGATGGACAT CCTCTCGCGCCAAGAACTCA GCCGCATCGGTCTGAAACGCAAACTTGCACCGCACGCCGAAAGCGAAGAGGGGTTGGAAA ACGTGTTAAACGAATTTGCCGAACGCAACTGGCAGTCGGATTTGCGCTATGCCGAAGCCT ATATCCGCAGCAAAAGCCGCAAACACGGTTCATTGAGGCTGAAACAGGCTTTGGCGCAAC **AGGGCATAGATGAAGAAACCAGCCGCAACCTGCTTCCCGACCGCTCAAGCGAAAAACTGG** CCGCCATAGCCGTGTTGCGTAAAAAATTCAAACATCCGGCCGCCGACCTTAAAGAAAAAC **AAAAACAGGCACGCTTCCTCGCCTATCGCGGTTTTGATGCCGATACCGTTCAGACGGCAT** TGAAACATGCCTGGGATGACGGCTGGGAGGAAGACTGCTGAACCTGAATCTTT TTGCATGACGGCGTAACCTTACCTCCATTTCCAACTTTTCCGATTGAGAATAAAATGTCC GAACAATCCGAGAAAAATCACAACCCACTTCTTGAAGATGAACGCAAAAACCCGGTTTAC CGTATGGGTCAGGCAGTTGCCGGATTCATGCTCGTCGTTTGGGCAGGCGTATTGGCACTC GTGTTTTTCCTAGTCTTCCGTTTTTGGCTTTCCTAAACAAAATGCCGTCTGAAACCTTCA CCACTTTCCCATTCCCTAAAATTTTTCCACACCCATTTCAAAATACCCTTTCTTAAAACA

GGTACACTATGACACAACAACGCCAACTGCCTTCGCACGAACTCATTATGTCCGAACTGA TGATGCCGGACACCGCCAATTTCAGCGGCAACGTACACGGCGGCGAACTCCTGCTCCTGC TCGACCAAGTCGCCTATTCCTGCGCCAGCCGTTACAGCGGCAATTATTGCGTTACCCTGT CGGTTGACAAAGTCCTGTTTAAAGAACCCATCCATGTCGGCGACCTGGTTACTTTCTACG CCAGCGTAAACTACACGGGGCGTACCTCTATGGAAATCGGCATCCGTGTCGAAGCACAAA ACATCCGTACGGGAGAAATCCGCCATACCAACAGCTGCTACTTCACCATGGTTGCAGTCA GCTACGAAAAAGCCAAAAAACGCAGAGACATCAGCCTGCAAGCCTCCGGAGACGTGTCCT GCGGCTGCTGACGGCGGACTATGCCGTCTGAAAGACAGGCACATCGCGCCATCCGTTTCC ATTGCAAACGGATGAAATCAAGCAAATATAGTGGATTAAATTCAAACCAGTACGGCGTTG CCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTT CCGTACTATCTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTA TACCCARACAGTCARACARATTTATATGCCCCATCCCTTCCGARTAATTTGAARACAC AGCCGCCAAAAACAAAAATGCCGTCTGAAAACCTTTCAGACGGCATTTCCAACTTGATTT CAGGCAGAAAGTCAGAACGCGATATAGCTGTTCGGGTTAACCGGTTTGCCGTTTTGACGC ACCTCGAAATGAAGCTGCGTTCTGGAAGCATCGGTATTGCCCCATCAAAGCAACCTGCTGA CCGCGTTTGACCTGCCCCTCGCCGACCAGCAATTTTTGGTTGTGCCCGTATGCGGTC AGGAAAGAAGAATTATGCTGGATGATGACCAAGTTTCCGTATCCCCTCAAACCTGAACCG GCATAAACCACTTTGCCGTCAGCCGCCGCCAAAACGGGCTGTCCCGCATTACCGGCAATA TCGACACCCTTGTTGTTGCCGCCGAAATCGGCAACCACTTTACCTTGCGTCGGACGCTGC CAAACAATGCCGCCGACCGAACGCGTGCCGGAAGGCGAAGCGGCAGGAGATTGCGGGGCG GGCGCGGGAACCGCTTTATTTTCCGCAGCGGGCGCGCGCAGGTTGCGGCGCGGACTGCACA GGCGGTTGCGCGGGGTTTCACAGGGGTTTGCACGGCAGCCGGTACGGCGGGCCTGCTT TCTACGGCTGCGGTTTTCGGTGCGGCATATCCTGCCGGTTTGACTTTAACAATCTGACCG ATGCTCAACATATTGTCGGTCATGCCGTTCCACGCACGGAAATCGTCTTGAGAGATATGG TAGCGTTTGGAAATGTTGTACACCGTGTCGCCGCGCACAATAGTATGCGTCGCCGCGTTA ATGTCGACGGGTGCGGACTGTACGGGCGGTTGCGCGGCAGCCGGTACGGCGGGCCTGCTT TTTACGGCTGCGGCTTTCGGTGCGGCATATCCTGCCGGTTTGACTTTAACAATCTGACCG ATGCTCAACGTATTGTCGGTCATGCCGTTCCACGCACGGAAATCGTCTTGAGAGATATGG TAGCGTTTGGAAATGTTGTACACCGTGTCGCCGCGCACAATAGTATGCGTCGCCGCGTTG ATGTCGACGGGTGCGTAAGAAGGAACGTATGTACCCGAAACGGCAGGTGCAGACGGCGGA ACATAAGCAGGAGGCGTATAAACCGGCGCGCTTTGCACCGGCGCACATAAGGCGCATCG CCGGCAGGAGCCGGGCTGTACGGCGTTGCTCCATAGGGGTTGTTGTAAACTGCCGAAGAC GGCGCGTCCTGCATACCTGAATTGCCTGCAATGACAGGAGCAGGCTGTTGGGTGGCGCAA AGATAACCTTCATGTTCCGATATATAGCCTGAATGCGGTATATCATAATAAAAATGCGCG TTCTTCTCAAGCGCAAAGCCCGACGGTATAGTGGATTAACAAAAATCAGGACAAGGCGAC GAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGA GAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTAT ATTTGATGAAACGGTCAGTCCGCATGCCAGAACGCCGCTGTTTCCGCCATGTCCGGATAG GCGGTCAGGTCGATTTGCAGCGGCGTTACGGTAATGAAACCTGCGCCGCATTCACCGAAA TCCGTTCCCTCTTCCCGATCGGAAACTTCGCCGACCGGTCCTATCCAATAAATCTGTTCG CCGCGCGGATTGCGCGCGGGAATGACGTTCTGACCGTGATGCCTCCTGCCCAAACGGGCG ATTTTAATGCCCCGCACATCTTCCGGCGCAACGGCGGGATATTGATGTTCCACAAAATA GGGGACTGCGGGGGTTTTTGAAAAAATGCGCCAACAATGTCCACAGTGCCTGTTCTGCG GTCGCCCAATAGCGTCCGGAAGCGTCGTTTAAGGAAAACGCCACGGCGGGTATGCCCATA AGGTAGGCTTCGGTTGCCGCCGCAACCGTCCCCGAATAAAGCGTGTCGTCCCCCATATTC GCGCCCGGTTGATGCCCGAAAAGACAAAATCGGCCTGAAAATCCGAAAATACAGACTGC CCGATGTGGATGCAGTCGGTCGGCGTGCCGTTGACATAGTAGAACCCGTTTTGCGCCTGT TTCAACTGCAAAGGGCGTTCCAGCGTCAGCGAATTGCTGACCCCGCTCCTGTCGCGTTCG GGCGCGACCACCCTGACGTTGGCAAATTCCGCCGTAACGCGCGCCAAAACGGCAATGCCT TCGGAGAGGTAGCCGTCGTCGTTGGAAATCAAAACGTTCATTTTCTATCCTGAATGCTTA TTCTTCGGGCAATTTGGTGATTTTGACCCGCTCGATGCGCTGCCCTTCTTTTTCGACCAC TTCAAACCGCCAGCCGTGGAAATCGGCAAAATCGCCGACATCGGGGATGGTTTGCAATTC TTCCATAATCAGCCCGGCAACCGTATGGAAATCGGCATCTTCCTCCTGCTGCGGCAGGTT GAGTTGCGGTGCGAGTTCCACATATTCCAACGCGCCTTCCACCGTCAGGCTTTCATCGGG ATTCCCCTGAACGGCTGGTTCTTCTTCGCGCTCAAATTCTTCGGGGAACTCGCCTGCGAT GGTTTCGAGCAGGTCTTTCATGGTTACCATGCCCAATACCGCGCCGAACTCGTCCACCAC CAAAGCATAATCCGCGCTGCTTTGGCGGAAGAGTTCGATTGCGCCCAGCGCGGTGGTGCT GTCGGGCAGGACGACGGCTGGCGCAATGCCGTCTGAATGTCGAGACCGCCTGTTTCCAG ACCGACAACGAGCAGCGGCTGTAAGGCGTGTTTTGCAGTTGGGCACACTGTTCTTCGCG GCTTTGGGAAATGTCCAGCCGTTCGATGTCGCGGCGTGGGATCATCACCCCCATAATCGG GCGTTCGGCAAGCGTCAGCACGCTGCGTATCATCGATTTTTCGTTTTCTTCAAAATGCGC GTCGTCCCCGGATTCGCCGCCCGCGTCGGCAAGCACGCTTTCGCGTATACCCATCATACC CAAGACGTTTTCGGCGGTGCGCTTGCGCCACGAGCTGCCGATGTAGTCGTTTTTTGCGGCT GTTGCGCTGCGAAATCTGGTTAAACAATTCGATTAAAATCGAGAAGCCGATGGCGGCGTA GAGGTAGCCTTTGGGAATGTGGAAATGGAAGGCTTCGGCAATCAGGCTGAAACCGATCAT GAGTTTGCTGGCAGAAATCATTACAGCCATCGCGACGACGACCGCCCCCATCGCCACGAC GATATGATCGACCATCGCCACCGCAGTAATGACCGAATCGATGGAAAACACGGCATCCAG

 GACGACTGCCAGCCCCAGCCCGATAATCCGTGCGCGGTCGCGCCGTGCGGGCTGGACCTT GTTTGCCAAAATCGCCACAAAGACAAGATTGTCTATCCCCAATACGACTTCCAACACCAA CGTATTCCTCAAGTTCAAACGCGAAAAGGCAGCCTGAAGCGCTCAAGCTGCCTGAACAGA CGGTACGCACAAAAACGGCGGGCGGGCTTGCTGCTCTGCTCGGGGTCTTGCATGTGCGT GTACCTTCGGTCGAAATAATTTAAATAGTTTAACAGCTTATCGGGGCAATGGCAAAACGC CATACCGTCTGAAAGGATGTTCGGACGGCATGAGCTTATTTTGAAATGTTTCAACACACG GACGGCACATAAAGCCTTCCCCTATGTGTTGCCCTGATTGAGGGGTTGCGCCCCTCTCAA CTTAAGGGGTGATGATGAAGCCGTCTATCGGCGCGTAGCCTTTGGTGTTGCCCTCTTTAT CGGTAATGACTATCCACTCTTTCTGCCTGCTGCTGGTAAACGGCAGGTAATACAGCTCCT CCCCTTCGGCGAGACCTGCCTGTTTCAGAATGTCCGCAACCGTCGTTTTTCTCGCATCCG CCAAGACTTTCAGCGGTTTCAGATGTTTGCGGATTTCTTCTGCTTCCTTGTCGGAATACG GCAGCCACTGGTCGGGACGCATACTCGGCTCGATACCTTTCAGGGACAAATCCAGCGTCT TGTTCTTCTCATCCGCATCCTCAGGTTCTTTCAATGCAATGCGGCGGATGCCGAACCACG ACAGGCTTTGCAGCCCTTCGGGGGCTTTGTGCAAATCTTCGACCACGACTTCCGCCGCCG TAACAATGGTCATACGATCCTGTTCAAACGCTTCCACCACAGGACGCGCCAGCGAAACGC TGTGCAGACCGTACACCAAAGCCGCCAGCTGGATGATGCCGACCATGGAAAAATCGACCA TGCGTGCCTTTGTCTTTTCTTCGGGCTTGCCAAAATTAAAGTCAGCAGCGGACCACATA CAATATCGACAGCCACCAGCTGATAAAGCGACAGCCCTCCCGTCAGCTCGGCATAAG GATAAGGATACCAAACCTTAAAAACCAGCAATGCCGCCAGCCCTGCAACCGACAGGCTGA TTAAGAGGTGCCAGCCCGCACTTTTCAAGGCAAAACGCCATCTCGGGACTGTTTTTCCGT TTTCCATCATATCTTGTTCAAATCAAAAATAACCGTAAAAACAGGGCGCATTGTACAACA GATAGAGACTGCTTAAAATGCGGCGCCGTCTGAAATCCTGCCGTTCAGACGGCATCCGTC ACCCGACATCCATACACAGATATTTCAATTCTAGATATTCGTCCGCACCGTATTTGCTGC CTTCACGTCCCAAACCGCTACGTTTCACGCCGCCGAACGGTGCCGCTTCATTGCTGATTA AGCCCGTATTGATGCCGACCATACCGTATTCCAAGGCTTCGCCGACGCGCCATTGGCGGG CGGTGTCGGCGGTGAAAAGGTAAGCTGCCAAACCGTATTCCGTATTGTTCGCAGCCTCGA TGACCTCGGCTTCGGTTTCAAAACGGAATACCGGACACAACGGCCCGAAGGTTTCTTCGC GTGCCACCGCCATTTGCGCCGTTACGCCGCTTAAAACGTTCGGAAAAACGTTCCGC CCAACGCGCTGCGTTTGCCGCCGGTCAGGCAGCTTGCACCTTTAGCAAGCGCGTCGGCGA TGTGCTGCTCGACTTTCTCCACCGCTTTTTCCTCAATCAGCGGCCCTTGGTTCACACCAT CCTCCAAGCCGTTGCCCAATTTGAGCGCGGCTGCTTTTTCACTCAATTTGCGGCAAAATT CGTCGTAAATGGCGGATTGAGCGTAAACGCGGTTGGTGCAGACGCAGGTCTGACCGCTGT TACGGAACTTGCTGGCGAGCGCCTTCGACGGCTTTGTCCAAATCGGCATCGTCAAACA CGATAAACGGCGCGTTGCCGCCCAGCTCCAAACTGAGTTTTTTAATGTCCGCCGCGCTGT CGGCAAAAATTTTTGCGCCGACTTCGGTCGAGCCGGTGAAGCTGATTTTGCGGATAATCG GGTTCGTAGCAAATTCATGGCCGATTTCCGAAGCACTGCCGCTGACAACAGGCAACAAAT CCTGCGGTATGCCCGCTTCGTAAGCCAACGAAGCCAAGGCATACGCACTCAAAGGCGTGA GCGATGCGGGTTTGACGATCATCGCGCAACCCACCGCCAAAGCAGGCGCGGCCTTGCGCG CAATCATCGCGGACGGAAAGTTCCACGGCGTAATCGCAGCGGTAACGCCGACGGGCTGTT TCAACACGACCAGTTTTTGCGACGCTTTCACACTCGTCAGCACATCGCCGTCAATCCGCC GCGCCTCTTCGGCAAACCAGCGCACAAACGAAGCCGCATAATCGATTTCGCCACGCGCCT CGGTCAGGCTTTTGCCCTGCTCCATCGTCATCAGGCGCGCTAATGCTTCTTTGTTTTCTT TAATCTGAAAATACCAACGCCACAACACATCGGCGCGTTCCAACGCAGTTTTTGCCGCCC ATAATTTTTGTGCTGCAGCTGCTTTTTGAATCAGGTTTTTCAGCTTGTCCGAATCCGTCT TGCGGACAAACGCCAAAGTCTCGCCCGTTGCCGGATTATCGACTTTGATGCCGTCTGAAA CCGGGGGAAGGGAAATATCGGGATGCTTGATTAATTGGGAATATTCGTTCATTTCGTATC CTCCGGTATGCGGAATAACCGCTTTCAAATGCCGTCAATCTCGCGGACATTATCATCTTC ATATTCCAAAACTGCAAACCCTTCCGATGCCGTCTGAAGCATCCGATCGGGCAGCGCAAC ATCCGGGCGGTGTCTGAATATGGCGCGGGCGCAATCCCTGTCGTTTAAGAAAAATATTTT TTATACGATAGTAATCTTTAGAAAGAAAAGTAATGCAGCCCTTTGATGGGGTGCAATATA TAAGGAGCAAAGATTGCAGTTGCAACGTGTGGTAGAGTATGGCAAAAATCCGAACATTAT AGTGGATTAACAAAAACCAGTACAGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTC TAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGT CGCCTTGTCCTGATTTTTGTTAAATCCACTATACAGTCAAAATTACGGAGATCAAATAAT GATTTTTAAACAGAATCAAAATTATTGGGCAGTTTTTGATGCTAATAAAGAAACTCTGAT TGTTCAAACATGTTCAGGTTTGGGGTTAACGGCAATAGACCACCTATATCCCCCCCATAT CCTGCCATTGGATACCGACAATGAAACTTTAGGCACGACAGTCTTGCAAGCGTTGGCAAA CAGCAGGACTTTCGTTTATGACAGTCCAGAAGACCAAGATTTTTTTGATACCGAAAAAAT TCGGCAACGCTATGAGGATTGGGTTGCCAAGCTATGCGGGAACTTGGGCTATAAAACCAG ACGCGCCCTATTTAAAAACATGATGAGCGTGGATATTTGGCTGCACAACGGCTGCCTGAA AATCAGCCCGAGCCGCCATGTCAAGCTGGAAGCGTGGAATGCCATTGATGCAGACGATGT CATTTTATCATTGGATAACAGCCCTGAAGAAATCGGAGCAGGTTTAAAGTTGGCATTGAG CCACTGCCGATAATATTTGACAAAAGGCCGTCTGAAAAACAGCTTTGACAAAGACGCGGT TGCCAAAGAGATCGACCTACAAAGGGAAGTAACGCAGGCGTTCGGCAAAACGCCGCCCAA GACACAAAAACCGCCCGAAAAATCTGGACGGCGGTTCAAACAGGCTGCCCCGTTTAACG GGCGCGGCAGAAGTTTCGACCGAATTGCCGTAGGCATCGGTAAAGCCGAAAAAGGCTTC GCCGCCTTTCTGGTGCCACTCGGTTGCGTTTCCGAACAACCGTGTTCGGCGGTATAGCG TTCGCCGGATGCGGCAACGTCGGAAGAGAGGGCGCCACGCCTGCCGTCCAGCCGCAACGC GACTTTGCCGCTGTCCAAATGGCGGACGCGCACAGACAAACCGTTCTCGCAGGAAAACGC CCGAAAATCGTCCGTGCCGGCTTGGTTTTGAACGGGCGGCATATGCCCGCGTCCGCCGTC ATCATACGCCTCCGGCACGGCACAGGCCGCCAAAGACAAAACCGGTACGGTCAGCGCGAA

AAACCTGATATTCATAAAAGCTCCCCAATAAAAATAAGATATGAAACAACCGCCCTGATT **AATTTACCTGCGATGAATCAATAATCCGGATTGCGCGCCCCTTCTTTACCCCTCTTCCGA** TTTTTCCAAATTCCAAGTAAAACCGCTATCGGTGTGCTAATTTGCGTTAAAATCCTATT CGGCGTTTAACGTTTTGTGCGCCCGCATCCCTGCACTGTTTGATGCGGGCATAAGGCACA AATCCCGACAAGCGCACTGTTTCATACTTCGTCAATCATTCAGACTCCGGTTTGTGCCCG TGCCGGCAGATGGTTCGGCCGTTTCCCGCCGTTCAGGCATATTCCGACAGTGTGAGATAA GGATTTATTCGATGAAATCACTCAAAACCTTCCTCATTTGGGGCATAGTGGTACTGGTCG GCTTAGCATCCTTTACCACTCTGGCCCTCAGCCGAGGCGAACAGGTCAGCGCGGTATGGA TGGTCACCGCCGCCATATCCGTTTACTGCATCGCCTACCGTTTTTACAGCCTCTACATCG CCAACCGCGTAATGCGGCTCGATCCTGACCGCCTGACTCCGGCAGAACGCCACAACGACG GCTTGGACTACGTTCCGACGCACAAAGGCGTATTGTTCGGACACCACTTTGCCGCAATTG CCGGCGCGGCCCTTTGGTTGGTCCGGTTTTGGCGGCGCAAATGGGTTATCTGCCCGGTA CTTTGTGGATTATCTTCGGCGTGGTATTTGCCGGCGCGGTACAGGATATGATGGTCTTGT TCGTCTCTATGCGCCGCGACGGTAAGTCTTTGGGCGATATTGTGAAACAGGAACTCGGCA CTGTCCCCGGCGTGATTGCCTCCATCGGTATTTTGATGATTATGGTCATCATTATGGCGG TGTTGGCGTTGATTGTCGTAAAAGCATTGGTTCACAGCCCTTGGGGTACGTTCACCATTG AAATCGGCGAGATTTCCATCGTCGGCTTTATTTTGCTGATGCTGGCGGTAATTTACGGCG AAGATGTGGCTAAAAGTTCCATCGGGCATTGGTTCGACCTTGACGGCATCCAGCTCACTT GGGCGATTATGATTTACGGCTTTGTCGCCTCCGTATTGCCCGTATGGTTGCTGCTCACTC CGCGCGACTATCTCTCCACCTTCCTGAAAATCGGTACGATTGCGGCCTTGGCTTTGGGTA TCGTCATCGTCAATCCCGCTTTGCAAATGCCTGCCGTAACCCACTTTATCGACGGTTCGG GTCCGGTATTCTCAGGCGCATTGTTCCCATTCTTGTTCATTACCATCGCCTGCGGTGCGG TTTCGGGCTTCCACGCGCTGATTTCTTCCGGCACTACGCCGAAAATGCTGGAAAACGAAA CCCACGTCCGCATGATCGGTTACGGCGGTATGTTGATGGAAAGTTTCGTAGCCATTATGG CACTTGCCGCTGCCGCATCGCTTGATCCCGGCGTGTACTTCGCCATGAACAGCCCAGCCG CCCTGATCGGTACGGATGCCAATACCGCCGCCGAAGTGATTACCACCAAGCTGCAATTCC CTGTCGATGCCGCAACCCTGTTGCACACTGCTAAAGAAGTCGGCGAAAACACCATCCTTT CCCGTGCCGGCGGTGCGCCCACCCTCGCAGTCGGTATGGCGCACATTATGAGCCGCCTGA TTCCGGGCGAGGCGATGATGGCGTTCTGGTATCACTTCGCCCTGTTGTTTGAAGCCTTGT TCATCCTGACCGCCGTCGATGCCGGTACGCGCGTCGCACGTTTTATGATTCAAGACTTGG GCAGCATCTTCTACAAACCTTTCGGCAACACCGACTCCATCCCCGCCAACCTGATTGCGA CCTTGATTATGTGCGCCGTGGTGCTGATTAAGATGAAACGCGACCGTTATGTCTGGGTGG TACTCGTTCCCGCCGTCGGCGTACTGTTCGTAACCTGCTACGCCGGCCTGCAAAAACTGT TCCACAGCGACCCGCGCATCAGCTTCCTTGCCCACGCCGGCAAATACAGCGACGCATTGG CTAAAAACGAAATCCTTGCGCCTGCCAAAGACATCGGCGAAATGGCGCAAATCATCTTCA ACGACAAGATTAATGCCGGTCTGACCATCCTCTTCTTGTCGGTTGTCGTGATTGTCGCCG CGTACGGTTTGCGTACCGCCCTCAAAGCACGCAAAGTCGGCTGGCCGACCGCCAAAGAAA TCCCGGCGGTGTACCGCGACGGCAAACAGCCGGAGGCACAAAGTGAAGCATAAGCTCGCG TCTTGGTGGAAAACCATCAAGCTGACGGCAAACTTGATGGCAGGCGTGCCCGATTATGAA AACTACGTTGCACAGCAGCGCAAACATAATCCCAACGCCCCCGTGATGACCAAGCTGCAG TTTCAAGACTATTGCCGCAAACGCCGCTGCGGCGCAAACGGCGGACGCTGCTGTTAAGCC TGCTTGAAACAAATTCCGTCTGAACGCCGCTTCAGACGGAATTTTTATAATATAGTGGAT TAACAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGAAACCGACT CACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGACAACGCCG TACTGGTTTTTGTTAATCCGCTATACCACGATGAATCCTTCGCAATATCTGTTTATCGAC GTAAATCTCAAACAGCCGGTACACGCCATGCTTCAGTTTCTTTTCCTGTCGGCGGATTGT TTCGACAAAGAATTGAAAATCCATTTCATGCACCTTAAAATTTAATCTGCATTCAAACCT TTTCACTTTGGAAGCACCATTTATCGGATGTCCCTTCGCAATAAACAAATTTTCCCGATA CCGCCGCCCATTCAACCCAAACCCAAAGCTATGAAAAACCTCATCGCCTTCAACAAAC CCTATGGCGTTATCTGCCAATTTTCACCGCACGAAAAACACAAAAGCCTCAAAGACTTTA TCAATCTTCCCGGCTTCTACCCCGCCGGACGCTCGACACCGACAGCGAGGGGCTGCTGC TGCTGACCGACGGCAGGCTTCAGGCACAAATTACCGACCCCAAATTCAAACACCCTA AAACCTACTGGGCGCAACTGGAGGGCGTACCCGACGAAAGCCGATTGGAAAGCCTAAGAA AAGGGATAGACTTAGGCGGTTTCGTTACCCGTCCGGCAAGCATCCGCATCTTGAAACACG GAGAAGCAGATTCGTTATGGGAGCGCATCCCGCCGATACGCGTCCGCAAAACCGTTCCCG ATTTTTGGATTGAAATTACCATTTCTGAGGGCAAAAACCGCCAAGTCAGGCGAATGACCG CCAAGGCGGGCTATCCCTGCCTGCGTCTGATCAGAGTGGCAAGCGGCAGGCTGAAACTGT TTGATTTGGATTTAAAACCCGGGGAATGGGCATACGCCCCGTTTAAACCATAATCACGTT TATCTCATCATTTCCACAAAAGTGGGAATCCGGAATTTTATAGTGGATTAACAAAAATCA GGACAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGTGCTT CAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTG TTAATCCGCTATATTCCGCCATCTCTAAGATTTACAGCGATACACGGGTGATTTAAGGAA TGCCCGAACCGTCATTCCCGCCACTTTTCGTCATTCCCGCGCAGGCGGGAATCTAGAATC TCGGACTTTCAGATAATCTTTGAATATTGCTGTTGTTCTAAGGTCTAGATTCCCGCCTGC GCGGGAATGACGAATCCATCCGCACGGAAACCTGCACCACGTCATTCCTACGAACCTACA TCCCGTCATTCCCACGAAAGTGGGAATCCAGAACGTAAAATCTGAAGAAACCGTTTTATC CGATAAGTTTCCGTACCGAACAGACTAGATTCCCGCCTGCGCGGGAATGACGATTCATAA GTTTCECGAAATTCCAACATAACCGAAACTTGACAGTAACCGTAGCAACTGAACCGTCAT TCCCACGAAAGTGGGAATCTAGAAATGAAAAGCAACAGGCATTTATCGGAAATAACTGAA

ACCGAACCGACTAGATTCCCGCCTGCGCGGGAATGACGGCTGCAGATGCCCGACGGTCTT GAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAAGCGAG ACAACGCTGTACTGGTTTTTGTTAATCCACTATAAATATCCAATTGAAATCTTCAGACGG TATATCAAATTTACACTTTTTTAATGTTTATGCCGCCTGAAAAAAATGCTAGTATATTTC CTAATTGTCTGACTGTTTATTGTTGAGGAAAATATGAGATCTTCTTTCCGGTTGAAGCCG ATTTGTTTTTACCTTATGGGTGTTACGCTATATCATTATAGTTATGCCGAAGATGCAGGG CGCGCGGCCAGCGAGGCGCAGATACAGGTTTTGGAAGATGTGCACGTCAAGGCGAAGCGC GTACCGAAAGACAAAAAGTGTTTACCGATGCGCGTGCCGTATCGACCCGTCAGGATATA TTCAAATCCAGCGAAAACCTCGACAACATCGTACGCAGCATCCCCGGTGCGTTTACACAG CAAGATAAAAGCTCGGGCATTGTGTCTTTGAATATTCGCGGCGACAGCGGGTTCGGGCGG GTCAATACGATGGTGGACGGCATCACGCAGACCTTTTATTCGACTTCTACCGATGCGGGC AGGGCAGGCGGTTCATCTCAATTCGGTGCATCTGTCGACAGCAATTTTATTGCCGGACTG GATGTCGTCAAAGGCAGCTTCAGCGGCTCGGCAGGCATCAACAGCCTTGCCGGTTCGGCG **AATCTGCGGACTTTAGGCGTGGATGACGTCGTTCAGGGCAATAATACCTACGGCCTGCTG** CTAAAAGGTCTGACCGGCACCAATTCAACCAAAGGTAATGCGATGGCGGCGATAGGTGCG CGCAAATGGCTGGAAAGCGGAGCATCTGTCGGTGTGCTTTACGGGCACAGCAGGCGCAGC GTGGCGCAAAATTACCGCGTGGGCGGCGGCGGCAGCACATCGGAAATTTTGGCGCGGAA TATTTGGAACGGCGCAAGCAGCGATATTTTGTACAAGAGGGTGCTTTGAAATTCAATTCC GACAGCGGAAAATGGGAGCGGGATTTACAAAGGCAACAGTGGAAATACAAGCCGTATAAA AATTACAACAACCAAGAACTACAAAAATACATCGAAGAGCATGACAAAAGCTGGCGGGAA **AACCTGGCACCGCAATACGACATTACCCCCATCGATCCGTCCAGCCTGAAGCAGCAGTCG** CGCGATTTAAACACCAAAATCGGCAGCCGCAAAATCATCAACCGCAATTATCAGTTCAAT TACGGTTTGTCTTTGAACCCGTATACCAACCTCAATCTGACCGCAGCCTACAATTCGGGC AGGCAGAAATATCCGAAAGGGTCGAAGTTTACAGGCTGGGGGCTTTTAAAGGATTTTGAA ACCTACAACAACGCGAAAATCCTCGACCTCAACAACACCGCCACCTTCCGGCTGCCCCGC GAAACCGAGTTGCAAACCACTTTGGGCTTCAATTATTTCCACAACGAATACGGCAAAAAC CGCTTTCCTGAAGAATTGGGGCTGTTTTTCGACGGTCCTGATCAGGACAACGGGCTTTAT TCCTATTTGGGGCGGTTTAAGGGCGATAAAGGGCTGCTGCCCCAAAAATCAACCATTGTC CAACCGGCCGGCAGCCAATATTTCAACACGTTCTACTTCGATGCCGCGCTCAAAAAAGAC **ATTTACCGCTTAAACTACAGCACCAATACCGTCGGCTACCGTTTCGGCGGCGAATATACG** GGCTATTACGGCTCGGATGACGAATTTAAGCGGGCATTCGGAGAAAACTCGCCGACATAC AAGAAACATTGCAACCGGAGCTGCGGGATTTATGAACCCGTATTGAAAAAAATACGGCAAA AAGCGCGCCAACAACCATTCGGTCAGCATTAGTGCGGACTTCGGCGATTATTTCATGCCG TTCGCCAGCTATTCGCGCACACACCGTATGCCCAACATCCAAGAAATGTATTTTTCCCAA ATCGGCGACTCCGGCGTTCACACCGCCTTAAAACCAGAGCGCGCAAACACTTGGCAATTT GGCTTCAATACCTATAAAAAAGGATTGTTAAAACAAGATGATACATTAGGATTAAAACTG GTCGGCTACCGCAGCCGCATCGACAACTACATCCACAACGTTTACGGGAAATGGTGGGAT TTGAACGGGGATATTCCGAGCTGGGTCAGCAGCACCGGGCTTGCCTACACCATCCAACAT CGCAATTTCAAAGACAAAGTGCACAAACACGGTTTTGAGTTGGAGCTGAATTACGATTAT GGGCGTTTTTTCACCAACCTTTCTTACGCCTATCAAAAAAGCACGCCAACCGACCAACTTC AGCGATGCGAGCGAATCGCCCAACAATGCGTCCAAAGAAGACCAACTCAAACAAGGTTAT GGGTTGAGCAGGGTTTCCGCCCTGCCGCGAGATTACGGACGTTTGGAAGTCGGTACGCGC TGGTTGGGCAACAACTGACTTTGGGCGGCGCGATGCGCTATTTCGGCAAGAGCATCCGC GCGACGGCTGAAGAACGCTATATCGACGGCACCAACGGGGGAAATACCAGCAATTTCCGG CAACTGGGCAAGCGTTCCATCAAACAAACCGAAACTCTTGCCCGCCAGCCTTTGATTTTT GATTTTTACGCCGCTTACGAGCCGAAGAAAAACCTTATTTTCCGCGCCGAAGTCAAAAAT CTGTTCGACAGGCGTTATATCGATCCGCTCGATGCGGGCAATGATGCGGCCAACGCAGCGT TATTACAGCTCGTTCGACCCGAAAGACAAGGACGAAGACGTAACGTGTAATGCTGATAAA ACGTTGTGCAACGGCAAATACGGCGGCACAAGCAAAAGCGTATTGACCAATTTTGCACGC GGACGCACCTTTTTGATGACGATGAGCTACAAGTTTTAAAGGCAGCCCGCATTTTGTAGA AAACCGCAATGCCGTCTGAAAGCCCTTCAGACGCATTTGTTTCCCCAAACGCATCATCC TGCCGCAAGCCTATGCCAATCCGTTTTATCGCATCGGCAACTCAAAGAAAAATCCATTTC ATTCCCACGCAGGGAAGCCGGTTTTTGATTTCGGTTATTTTTGGTTGTTTCGGGTAATTT ATGAGTCGTCATTCCCGCAAAAGCGGGAATCAGTTTTTTTAAGTTTCAGCCATTTCCGAT AAATTCCTGTGGCTTTAGCTTTCCGGATTCCCACTTTCGTGAGAATGACGTGGTGCAGGT TTCCGTACGGATGGATTCGTCATTCCCGCGCAGGCGGAATCTAGACCGTTCGGTTTCGG TTTTTTTGGTTAGTGCCGCAACATTAAATTTCTAGATTCCCACTTTCGTGGGAATGACGG CGGAGCGGTTTCTGCTTTTTCCAATAAATGCCCCCAACCTAAAATCCGTCATTCCCGCGC AGGCGGGAATCTAGACATTCAATGCTAAGGCAATTTATCGGAAATGACTGAAACTCAAAA CATTCCCGCGCAGGCGGAATCTAGTCCGTTCGGTTTCGGTTTTTTTGGCTAATGCCGCA ACATTAAATTTCTAGATTCCCACTTTCGTGGGAATGACGGCGGAGCGGTTGCTGTTTTTC CCAATAAATGCCCCCCAACCTAAAATCCGTCATTCCCGCGCAGGCGGGAATCTAGTCCGT TCGGTTTCGGTTTTTTGGCTAGTGCCGCAACATTAAATTTCTAGATTCCCACTTTCGTG GGAATGACGGCGGAGCGGTTTCTGCTTTTCCCAATAAATGCCCCCAACCTAAAATCCGTC ATTCCCGCGCAGGCGGAATTTAGACATTCAACGCTAAGGCAATTTATCGGAAATGACTG **AAACTCAAAAAACTGGATTCCCTCTTTCGTGGGAATGACGTAGTGCAGGTTTCCGTACGG** ATGGATTCGTCATTCCCGCGCAGGCGGGAATCTAGACATTCAATGCTAAGGCAATTTATC GGAAATGACTGAAACTCAAAAAACTGGATTCCCGCTTTCGTGGGAATGACGCGATTAGAG TTTCAAAATTTATTCTAAATAGCTGAAACTCAACGCACTGGATTCCCGCCTGAGCGGGAA CTTTCGTGGGAATGACGGAATGTAGGTTCGTGGGAATGACGGGATGCAGGTTTCCGATGG ATGGATTCGTCATTCCCGCGCAGGCGGGAATCTAGACATTCAACGCTAAGGCAATTTATC

GGAAATGACTGAAACTCAAAAAACTGGATTCCCACTTTTGTGGGAATGACGCGATTAGAG TTTCAAAATTTATTCTAAATAGCTGAAACTCAACGCACTGGATTCCCGCCTGAGCGGGAA TGACGAATTTCAGGTTGCTGTTTTTGGTTTTTCTGTTTTTTGTGAAAATAATGGGATTTTAG CTTGTGGGTATTTACCGGAAAAAACAGAAACCGCTCCGCCGTCATTCCCGCGCAGGCGGG **AATCTAGTCCGTTCGGTTTCGGTTTTTTTGGCTAGTGCCGCAACATTAAATTTCTAGATT** CCCACTTCGTGGGAATGACGGGATGTATAGTGGATTAACAAAAACCAGTACGGCGTTGC CTCGCCTTAGCTCAAAGAGAACGATTGTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTC CGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTAT AAATTTAATCCACTATATTTTTTTTTCCAAAGTCAAAATATGCCGTCCGAACATTCGGGC GGCAGACAAAACGGCACTGCCCGATAAAGGCAGTGCCGTTGTCCGTTTCAAACCGTGAAA CATCAGCCCAAATTAAAGGCTTTATGCAATACCCTGGTTGCCAGTTCCATGTATTTTTCA TCAATCAATACGGAAACTTTGATTTCGGAGGTGGAAATCATTTGGATGTTGATACCCTCT TCGGCGAGCGTGCGGAAGATTTTGGCGGCTACACCGACGTGCGAACGCATACCCAAACCG ACTGCGGAGACTTTGCATACGGTGTCGTCGCCATCAATAGAAGCCGCGCCGATACTGTCT TGGCGTTCCGACAGGATTTCCAAAGTCTGCTTGTAATCGCCGCGCGGTACGGTAAAGGAA **AAATCGGTTGTGCCTTCGCTGCCGACATTTTGGATAATCATATCGACTTCGATGTTGGCA** TCGGCAACCGCGCCTAAAATCTGATAGGCGACGCCAGGTTTGTCGGGTACGCCGCGCACG TTGATGCGGGCTTGGTTTTTATCGAATGCGATACCGGTTACGGCAGCTCTTTCCATGTTG TCGTCCTCTTCAAAGGTAATTAAGGTGCCATTGCCGCCGTCTTGCAGGCTGCTCAGTACG CGCAGGCGCACTTTGTATTTTCCGGCGAATTCTACTGAACGGATTTGCAAAACTTTCGAA CCGAGGCTTGCCAGTTCGATCATTTCTTCAAATGTAACCGTATCCATGCGGCGCGCTTCG GGTACGACGCGGGGTCGGTTGTGTAAACGCCGTCTACGTCGGTATAGATTTGGCACTCG TCGGCTTTGAGCGCGGCAAGCGCGACGCGGAAGTGTCGGAACCGCCGCGTCCGAGC GTGGAAATATCGCCTTCACTGCTGATGCCTTGGAAGCCGGCAACGATGACGACTTTGCCG GCGGTAAGGTCGGCACGCATTTTTTCGTCATCAATGCTTTCGATGCGGGCTTTGGTGTGG GCGGTATCGGTTTTGAGGGCGACCTGCCAGCCTGTGTAGCTTTTGGCATCCACGCCGATG TCTTTCAATGCCATCGCCAAAAGGCCGATGGTTACTTGTTCGCCGGTAGCTAAGACGACG TCCAGCTCGCGCGGATCGGGATGCTCTTGCATTTCGTGCGCCAGTGCGACCAGTCGGTTG GTTTCGCCGCTCATGGCGGATACGACGACTACGATGTCGTGTCCTTCGGCGCGGGCTTTG GCGACACGTTTGGCTACGTTTTTGATGCGTTCGGGCGAGCCTACTGATGTGCCGCCGTAT TTATGTACGATTAACGCCATGTTTCGTGCTTTCTTGTGGGGGGTTGTCGGGCAGCTTGGTT TGCTGGAAAAAGGGTTATTATTACTATTTTTTACATGGAATTCAAGAACGGACTGCGCTT TCCCGCCTGCCGTTTGACAGCGGTCAGCGAAAAACCTGTTCTTTCAGATTGTTGACAAAA TGCCGTCTGAACGGTTTTCAGACGGCATCCGGACGACAATCAGGCGGCGGACAACGCATT TTGCTGGTGTTGCAGCAGTTCGCCTATGCCTTTTTGCGCCAGTGCAACCAGTTTGCCCAA TTCGTCCAAACTGAACGGCGCGTCTTCCGCCGTCCCCTGTATTTCGATGATTTTTCCCGA TGCGGTCATGACGATATTCACATCACTGTCGCAACCGGAGTCTTCGGGATAATCCAAATC CAAAAGCGGCACGCCGTTCACTACGCCTACTGACACAGCGGCAACGGCTTCGCGGATGGG GTTTTCACTCAAAATGCCGTCTGAAACCAGTTTGCCGACGGCGATTTGCAGCGCGACAAA CGCACCGGTAATCGAAGCCGTGCGCGTACCGCCGTCTGCCTGAATCACATCGCAGTCAAT CAAGATTTGTCGTTCACCGAGTTTTTCCATATCCACGACCGCGCGCAGGGAACGCCCGAT CAAACGTTGGATTTCTTGTGTGCGCCCGGACTGTTTGCCCGCCGAAGCTTCGCGGAGCAT CCGGGAAGCAGTTGAGGCAGCATCCCGTATTCCGCCGTTACCCAGCCTTGGTTTTT ACCGCGCAGAAACGGCGGGACGTTTTCATCTATGGAAGCGGTACAAATCACTTTGGTATT GCCGCATTCAATAAGGCACGAACCGTCCGTATGCGGCAGGAAATGAGGGGTGATTTTGAT ATCGCGCAGGCTGTCGGCGCGCGCGAGATGCGGATGTAATCAGGCATACTGCCCTCCCG TTAAAACAGATAAATTAAAAAGCCTTAAATATGAAAAATCACATTTAAGGCCTTCAAAC TGAAAATTTCTACGCCTCTTCGGCTTTGCTGCGGATAATCAAAAGCGGCAGGTGGCTTTG GCGCATTACCGTTTCGGCAAAACTGCCCATTAAAAGGTGCATCAGCCCGGTACGTCCGTG CGTACCCAACACCAGCAGGTCGGCACCGTTTTCATCGGCATAATCAACCAAATCCTGCGC CATTTCACGCGCACCCTTATTGGCAACCAGCAGGTGTTTGACGGTATTTTCCACACCCAG TTCCTGGGCGGTGCGCTCGGCGGCATCCAAAACTTCGTTGCCTTGCGCGACGGCGGCGGC TTCGTAGCTTTCGTGTTGCAAAAATTCGGGGGCGAGTGCCATATATTCGGCAGGATTGGC **AACGTGCACCAAAGTCAGGCGCGCACCGTTGACCCCGGCAAGCTCGGCGGCATGTTTCAG** GGCATTGATGGACGTTTCACTGCCGTCAACGGCAACAACCAAATGTTTGTACATATCGTA TTCTCCTTTTGCACCGCCTCGCGGTGCCCTCTTGTCGGATGGGCGCAGGGACAGTTTGCG CTGTTTCATTATAGACCCGCCGTCGGGCTTTATACAACAGCCGAACAGCCCGACCGCTTT CCAGTATAATATGCCGCTTCCGTGCAGTCAGGCATTTTTTGCCGGCTTTCGTTCACTTTT TGATTTGACGCAATCTTGCAGGATTCGACCATGTCCGACAACGCTTTGACCTCTTCGCGA CGCTTCGGCGGCATCGCCAGACTCTACGGAGACTCTGCCTTGGCGCACTTTTCACAGGCA CACGTCTGCGTAGTCGGCGTGGGCGGTGTCGGCTCGTGGGCGGTCGAGGCTTTGGCGCGG ACGGGCATCGGACGTTTGACTTTGATTTGATTTGGACAACGTTGCCGAATCGAATGTCAAC CGCCAGCTGCACGCCCTGACCGGCGACTTCGGCAAAGCAAAAGTTACCGCCTTGCGCGAA CGCATTACACAAATTAATCCGCAATGCGAAGTGTTTGAAATTGAAGATTTCGTTACCGAA GACAATTTGCCGGAATACTTCGGAAAAGGTTTTGATTTCGTCATCGACGCGATCGACCAA GTGCGCGTCAAAGCAGCAATGGCGGCTTATTTTGTGGAACGCAAACAACCGTTTGTCCTC AGCGGCGGCGGGCGACAAAAAATCCGGCGTTAATCCAAACCGCCGATTTGAGCCGC GTAACCCACGACCCGCTGCTTGCCAACCTGCGCTACACCTTGCGGAAACGCTACGGATTC **AGCCGCGATACGAAAGCAAATATGCGCGTGCCTTGCGTGTATTCGACCGAAAATATCGTG** CCGCCGCAGTCTAGGGAGGCTTGTTCGGCAGATGCCGCTCCGCAAGGCTTGTCGTGCGCC GGCTACGGTGCAAGCATGCTCGTTACCGCTTCGTTCGGGCTATATTGCGCACAGGCGGCG GTGGAACACATCGCAGACAAAAAATAAGCAATGCCGTCTGAAACAGGATTCAGACGGCAT TTGAACAAACTATGGTTATGATTTAAGACAACAAAGGATACGGATAAAAAATAACATAAA ATATATGATTCCTAATAATATCCAAGTATCGGAGAGCTATTTAATGGAATTCGTTAATA ATTTAGTTATTTTTCATTTTTATTACTAATGCTTATTCCGATATTTTTTTGTAGTATATG

GTATATACCATAAGATACGTTATCGCAAAATATGTATCCTAAGAACAAGTTTTATATTAT TAGTĠGTAATAC TTTGCAGTATGTATTACATATATTGCCGTTATCTTGACCAACAAAAG TAGCTTATTATT GCATAGATGAACAATGTATTCTATTGTTCATCTATACAAAGATTATG GTATAAACTCTCCCACATATGCGAGAATTTACGCAGGAAAAATATTGTTTAGATTTCAAG TAAGAGCTAAAAATTACGCTGAATTACTTATGGAAGATGATATATCAATTAGTAAAAAAA TTTTGGGGAATAAATTTATCATTTATGGGTCGCTACCTGTAATATACGGTAATGTAGATA ATATTGAAGTAAAAGAAGCTACTGGTTATATAGATAGATCCAGTACTGATTATATTGTCT CAAGAAACTTAAAATTCAGACATTTATATTAATTAAGAGGTTTTAGCAAGAGTGCCGTCA AAATATAGGGCGCATCATCGAATTCGCGAAAGACAAACGCTACGATGAACGTTTCAAGGA TTTGAAAAAAGAATCCATAGGCTATCTGAACCGGCATCCCGGTTTGGTGTCCGACTACCT GAAGGCGGCAATCAAGCTGTCGGTTCAGAAAACCAACATCAGCACGCCTAAAACCGTAT TCACAACCTGCTCCTTTTCAAAACATTTGCATTTAAAAGCCGTTATAATGCCGTCTGAAC **ATCTGCCCGACCACATTATACGTGAATGTCGGCAGATTGTTTTCTTTTGTAAACTTATAT** TAAAATCCACTTACCGATTCACGCCATGCCGCCCATCCCTGCCCCATCTGCACCATCCGA GCACACTGTCGCATGGGTATTCGGCCAACCCGTTACCGATTTGCCCCAGGATTTGTTTAT TCCGCCCGATGCATTGAAAGTCGTATTGGGCAGCTTCCAAGGCCCTTTGGATCTACTGCT GTATCTGATCCGCAAACAGAATATCGACGTACTGGATATTCCGATGGTGAAGATTACCGA GCAGTATCTGCACTACATCGCCCAAATAGAAACCTATCAGTTTGATTTGGCGGCGGAATA TCTTTTGATGGCAGCAATGCTGATTGAAATCAAATCGCGCCTGCTGCTGCCGCGTACCGA AACCGTCGAAGACGAAGAAGCCGACCCGCGTGCCGAGTTGGTGCGCCGCCTGCTGGCTTA CGAACAGATGAAGCTGGCGGCGCAGGGTTTGGACGCGCTGCCCCGAGCCGGACGGGATTT CGCGTGGGCTTACCTGCCGCTGGAAATTGCCGTCGAAGCCAAGCTGCCCGAAGTCTATAT. TACCGACTTGACGCAAGCGTGGCTGGGTATTTTGTCTCGGGCAAAACACACGCGCAGCCA CGAAGTAATCAAAGAAACCATCTCCGTGCGCGCGCAAATGACGGCAATCCTGCGCCGTTT GAACGGACACGGAATATGCAGGTTTCACGACCTGTTCAATCCCAAACAGGGCGCGGCTTA CGTGGTCGTCAACTTCATCGCACTGTTGGAGCTTGCCAAAGAAGGATTGGTCAGAATCGT GCAGGAAGACGGTTTCGGAGAAATCCGAATCAGCCTCAATCATGAGGGGGGCGCATTCAGA CGGCATTTCCGGCACACGAGGCGGGGGGGGGTGTGTTCTAATACGCCCCAAGCCGCCACCA AAAATCGGGAGACACGCCATATGACCGGCATCATACATTCGCTGCTTGACACCGACCTCT ACAAATTCACTATGCTGCAAGTGGTTCTGCACCAGTTTCCGCAGACGCACAGCCTTTACG **AATTCCGCTGCCGCAACGCCTCGACCGTCTATCCGCTTGCCGACATCAGGGAAGACTTGG** AAGCCGAACTCGACGCGCTCTGCCAACTACGCTTCACCCACGACGAACTCGGCTATCTGC GCTCCCTGCGTTTCATTAAAAGCGACTTTGTCGATTATCTCGAACTCTTCCAGCTCCAAC GCCGCTTTGTCGAAATCGGCACAGACGATAAAGACCGTCTGAACATCCGCATCGAAGGTC CGATGATACAGGCGATGTTTTTTGAAATCTTCATCCTCGCCATTGTCAACGAACTTTACT TCCGCCGCCTGGAAACCCCTGCAGTCATAGAAGAAGGCGAACGCCGGCTTCAAGCCAAAG CCGCGCGCCTCAAAGAAATCGCCGCCGCACAAAACCCCGACGAACCGCCCTTCCTGATTT CCGACTTCGGCACGCCGCCGCTACAAGCTCGCGTGGCAGGAACACGTCATCCGCACCC TGCTTGAAGCCGCCCCGGCATCGTACGCGGCACCAGCAATGTCTTTCTCGCCAAAAAAC TCGGCATCACCCCCATCGGCACCATGGCGCACGAGTTCCTGCAGGCATTCCAGGCCCTCG ACGTACGCCTGCGGAATTTCCAAAAGGCCGCGCTCGAAAGCTGGGTGCACGAATACCGGG GCGATTTGGGCGTTGCCCTGACCGACGTGGTCGGTATGGATGCCTTCCTGCGCGATTTCG ACCTCTATTTCGCCAAACTTTTCGACGGGCTGCGCCACGACAGCGGCGACCCTTACGTTT GGGGCGACAAAGCCTACGCCCACTATCAAAAGCTCAAAATCGACAGCCGCACCAAAATGC TGACCTTCTCCGACGGGCTGGACATCGAACGCTCTTGGGCATTGCACCAATATTTCAAAG ACCGCTTCAAAACCGGCTTCGGCATCGGCACCAACCTCACCAACGATATGGGGCATACGC CCTTGAATATCGTCTTGAAACTGGTCGAATGCAACGGGCAGTCCGTCGCCAAGCTGTCCG ACTCTCCGGGCAAAACCATGACCAACAACAGCACCTTCCTCGCCTACCTGCGCCAAGTGT TCGACGTACCCGAACCCGAAACGCCGTAAACCGGCAGAAAAAGCGCACAATTCCTGTTTC TGCCGCATAAAATCTTTTAAAATACCGCCTGATTTGAATTTAACCGAAAGACCGAACTTC ATGAACCTACATCAAACCGTCGAACACGAAGCCGCCGCCGCCTTTGCCGCCGCAGGCATC GCCGACAGCCCTATTGTTTTGCAGCCGACCAAAAACGCCGAACACGGCGATTTCCAAATC AACGGCGTGATGGGTGCGGCGAAAAAAGCCAAACAAAACCCGCGCGAGTTGGCGCAAAAG GTCGCCGAAGCATTGGCGGACAACGCCGTGATTGAAAGCGCGGAAGTCGCCGGTCCGGGC TTCATCAACCTGCGCCTGCGCCCCGAATTTCTCGCGCAAAACATTCAGACGGCCTTGAAC GACGCTCGTTTCGGCGTGGCAAAAACCGACAAACCGCAAACCGTCGTTATCGACTATTCT TCGCCCAATCTGGCGAAGGAAATGCACGTCGGCCACCTGCGTTCCAGCATCATCGGCGAC AGCATTTCGCGCGTGTTGGCATTTATGGGCAATACCGTTATCCGTCAAAACCACGTCGGC GACTGGGGTACGCAGTTCGGTATGTTGGTCGCTTATTTGGTCGAGCAGCAAAAAGACAAT GCCGCGTTCGAGCTGGCGGATTTGGAGCAGTTTTACCGCGCCGCCAAAGTGCGCTTTGAC GAAGACCCTGCCTTTGCCGACACCGCACGCGAATACGTTGTGAAGCTGCAAGGCGGCGAT GAAACCGTTTTGGCATTGTGGAAACAGTTTGTCGATATTTCGCTCTCGCACGCCCAAGCC GTTTACGACACGCTGGGCTTGAAGCTGCGTCCTGAAGACGTGGCAGGCGAATCGAAATAC AACGACGATTTGCAGCCCGTGGTCGATGATTTGGTTCAAAAAGGTCTGGCGGTTGAGGAC GACGGCGCGAAAGTCGTGTTCTTGGACGAATTTAAAAACAAAGAAGGCGAACCCGCCGCA TTTATCGTGCAAAAACAAGGCGGCGGCTTCCTCTACGCCTCCACCGATTTGGCGTGCCTG CGCTACCGCATAGGCCGTCTGAAAGCCGACCGCCTGCTGTACGTCGTCGACCACCGCCAA GCCCTGCACTTCGAACAACTTTTCACCACTTCCCGCAAAGCAGGCTATCTGCCGGAAAAC GTCGGCGCGCATTTATCGGCTTCGGCACCATGATGGGCAAAGACGGCAAGCCGTTCAAA ACGCGCAGCGGCGACACCGTGAAACTGGTCGATCTGCTGACCGAAGCCGTCGAGCGCGCC ACCGCTTTGGTGAAAGAAAAAATCCCGAATTGGGTGCGGACGAAGCCGCTAAAATCGGT AAAACCGTCGGCATCGGCGCAGTCAAATACGCCGACTTGAGCAAAAACCGCACCAGCGAC TATGTGTTCGACTGGGATGCCATGCTCTCGTTTGAAGGCAACACCGCCCCTATCTGCAA TACGCCTACACCCGCGTGCAAAGCGTGTTCCGCAAAGCAGGCGAATGGGATGCAAATGCG CCAACCGTTTTGACCGAACCGCTGGAAAAACAGCTTGCCGCCGAGCTGCTGAAATTTGAA

GACGTACTGCAAAGCGTGGCGGACACGGCGTATCCGCACTACCTCGCCGCCTACCTCTAT CAAATTGCGACCCTGTTCAGCCGCTTCTACGAAGCCTGTCCGATACTCAAAGCCGAAGGC GCAAGCCGCAACAGCCGCCTGCAACTGGCAAAACTCACCGGCGACACGCTGAAACAAGGC TTGGATTTGCTGGGCATCGATGTTTGGACGTAATGTAAAACCGCACCGCCCGATTGCGG ACAACAGCCTCGCCATCCTTATCCGAATCTGAAAAAAGCGGCGCGATACACCGTATCCGC CCGCCTCTTTTCCCTGTTTTCCCCGACACGCGTGCGCTCCCCCTGCCGCACTGTG CTGCACTTTCGCGCCCGGACGGCATCGTTCCGCCATCCGGTTCTCTGTTTTACATACCCC TGTTTCAGAAAGAAATGCAGATGTTTCAACACACAGGACGACACATAAAGCACCGCCCTA TGTGTTGCCCTGATTTGGAAGGGGTTACGCCTCCCAAATAAAGTCTGATCCTGCCGCCCC GAAGGACAGATGTCCGAGTGGCGAAGTTTCAACCGAAAAGGAAATACGATGAATATTCAC ACCCTGCTCTCCAAACAATGGACGCTGCCGCCATTCCTGCCGAAACGGCTGCTGCTGTCC CTGCTGATACTGCTTGCCCCCAATGCGGTGTTTTGGGTTTTGGCACTGCTGACCGCCACC GCCCGCCCGATTGTCAATTTGGACTATCTTCCCGCCGCGCTGCTGATCGCCCTGCCTTGG ATGATGGTGATCCAACTCTTCCCTTTTATGGATCTCATCGGCGCCATCAACCTCGTCCCC TTCATCCTGACCGCCCCCCCTTATCAGATAATGACCGGGCTGTTGCTGCTGTATATG CTGGCGATGCCGTTTGTGTTGCAGAAAGCCGCCGCCAAAACCGACTTCCGGCACATTGCC GTCTGCGCCGCCGTTGTGGCGGCAGCCGGCTATTTCACCGGCCATTTGAGTTACTACGAC CGGGGTCGGATGGCCAATATCTTCGGCGCAAACAACTTCTACTACGCCAAAAGTCAGGCG ATGCTCTACACCGTCAGCCAGAATGCCGACTTTATTACCGCCGGCCTGGTCGATCCCGTC TTCCTCCCCTTGGGCAATCAACAGCGTGCCGCCACGCATCTGAACGAGCCGAAATCTCAA AAAATCCTCTTTATCGTCGCCGAATCTTGGGGGCTGCCGGCCAATCCCGAACTTCAAAAC GCCACTTTTGCCAAACTGCTGGCGCAAAAAGACCGTTTTTCGGTTTGGGAAAGCGGCAGT TTTCCCTTCATCGGCGCGACGGTCGAAGGCGAAATGCGCGAACTGTGTGCCTACGGCGGT TTGCGCGGGTTCGCACTGCGCCGCGCGCCGACGAAAAATTTGCCCGCTGCCTCCCCAAC CGTTTGAAACAA GAAGGTTACGCCACCTTTGCGATGCACGGCGCGGGCAGTTCGCTTTAC CACCGCTTCAGCTGGTATCCGAGGGCGGGCTTTCAAGAAATCAAAACCGCCGAAAACCTG ATCGGTAAAAAACCTGCGCCATTTTCGGCGGCGTGTGCGACAGCGAGCTGTTCGGCGAA GTGTCGGCATTTTTCAAAAACACGACAAGGGACTGTTTTACTGGATGACGCTGACCAGC CACGCCGACTATCCCGAATCCGACATTTTCAACCACAGGCTCAAATGCACCGAATATGGC CTGCCCGCCGAAACCGACCTCTGCCGCAATTTCAGCCTGCACACCCAATTCTTCGACCAA CTGGCGGATTTGATCCAACGCCCCGAAATGAAAGGCACGGAAGTCATCATCGTCGGCGAC CATCCGCCGCCGTCGGCAACCTCAATGAAACCTTCCGCTACCTCAAACAGGGGCACGTC GCCTGGCTGAACTTCAAAATCAAATAACAACAATGCCGTCTGAACGCACCAACAGCCTTC AGACGGCATTTTGCAGACAGACCGACCCTTCAAGCCCACTTTTTTCATCATCTCCGATAA ATTGCTTTGTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAG AGAACGATTCTCTAAGGTACTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGT CTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCGCCATAAAGACCGTCGGGCATC TGCAGCCGTCATTCCCGCGCAGGCGGGAATCCAGAACGTGGAATCTAAAGAAACCGTTTT ACCCGATAAGTTTCCGCACCGACAGACCTAGATTCCCGCCTGCGCGGGAATGACGGGATT TTAGGTTTCTGATTTTGGTTTTCTGTCCTTGTGGGAATGACGGGATGTAGGTTCATAGGA ATGACGTGGTGCAGGTTTCCGTATGGATGGATTCGTCGTTCCCGCGAAAGCGGGAATCCG GAAACCCAAAGCCACGGGAATTTATCGGAAAAACCGAAACCGCTCCGCCGTCATTCCCGC GCAGGCGGGAATCTAGGTCTGTCGGTGCGGAAACTTATCGGATAAAACGGTTTCTTCAGA TTTTACGTTCTGGATTCCCACTTTCGTGGGAATGACGGGATGTAGGTTCGTAGGAATGAC GTGGTGCAGGTTTCCGTATGGATGGGATTCCCTCTTGCGTGAGGCTGACAGATGCCGTCT GAAAGACTTTCAGACGGCATAGCTTTTTCTCTTTGAATTTATAGTGGATTAACAAAAATC AGGACAAGGCGGCGAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTCGGTGCTT CAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTG TTAATCCACGATAAATTTGCCACAAAAAAGCTGCCTCAAATGAATACCCGGGCAGCTTTT TGTTGATATGACTCCAATCAGCGGTGTTGCGGATTGTAACGTTTTTCCAAACGCAGGAAT ATCCAGCCTAAGAAAGTCGTCATCAACAGATAAATCAGGGCGACGGTGTAAAGCGGTTCT TCATAAACCGAATACCGGCCCGTAATCGTATTCTGAACATACGCCAACTCCGCCACAGCA AGCATGCGGCGCAATGCCTGCGGCAGAATCACATAGCGCATCGCCTGCGGATAGGTCAGC CCCAAAGAACGCGCCGCCTCCATCTGTCCTTTGTCTATAGACTGGATGCCCGCGCGGAAA ATCTCACAGATATACGCCCCCGAGTTGGCGATCAGTGCCAAAGAACCGGCAATCAGCGGC CCGTATCCGCGACGCAGCGCGATTGCCGCCTCGCCGCTGACCAAAATGCCGTCTGAAGGA TGGACGAAAAACGGAAACCACACATACGCCCAAATCACAATCTGCACAAACAGCGGCGTA CCCCGGAACAGCGTAACATACAGCAGCGAAACTTTACGCAACGCCCACGCCAGCACGCGC ATCGGCGCACCGGCTTTTTCCAAGTGAATCAGGCGCGCCAACGCCAACACAGACCCAAT ACCGAACCGCCCGCCGTTGCCACGACCGTCAGCCCCAAGGTCGTCAGTGCGCCGTAAAGA AAACCGGCGGAACTGCCGCCGTTGCAAAATAATCCGCCATTTTACCGTAAAAACCGCCGC CTGAACTTTTTTATCGCGGCAGACGGCGGTTGCGCGTCTCCGCAAAAATGCAGGGCGCGC GGTTTTCAGACGGCATTTGCCGTTCAAAGCCGTGCGGTGTCTTTACCAAATGCCCAACCA CGCCCACGGCGCTTGCGGATTTTTAGCTTTCCACAATCCTTTGCGTTCCCTTTCCGCCTG AATTTGAGCGTCGGCATAATCGGCAAAATCCGCCTTATCCTGCTGTTCTTTAGCATAACT TTTATAATGCCACGCCGCCCGTCCTGCACCTGCATCAGGTTCAAATCGGTTTTGCCGAC . AGANACCTGCGCCACTTCGCGCTGGTAGCGGTCGGTATCGAACACGCGCACGCTGACTTT CCTGCCTTCCGCCGCGCGCGCGCGGTGTCGCGCGAACGCGTGCCGTAAGCCTGTTTCAT

CTCCGGCGCGTCGATATACGCCATCCGGATTTTGTGTTTCGCGCCGTCGCCGTCGATAAC GTGAAGGGTGTCGCCGTCATAGACTTTGGACACCGTGCCTGTGTAGCGGTGGCCGGATTT GTCGAGTACGGCAACCGCCGCCCCGCCTGCCGTACCCCGTATAACCCAACGC ACCCAAAAGCGACAGGGCGACGGGAAGCCATTTCATGATTTTTTTAATCTGCATATTTTT CAAATGCCGATGCCGTCTGAACATATCGGAATCGGATTTCAGACGGCATCTTAACGTCAG GATTACCCTTGGCAGGGATAGATGACTTTCGCACCCTCTTCCGTCCCCAAAATCAACACA TCGGCGGCATCGCGGCGAATATGCCGTTTTCGAGCACGCCGGTGATTTTGTTGATTTCG TCTTCCATCGTCAGCGGCTGATCGATATTCAAGCCGTGGACATCGACGATTTGGTTGCCG TAAAACGTGGTGTAGCCGATACGCAGTTCGGGCTGTCCGCCCATAGCGAGCAGTTTGCGC GAAACAAGAGAGCGCGCGCTTTCGACGACTTCCACAGGCAGAGGGAATTTGCCCAAACGT GAAACATATTTGCTTTCATCCGCAATGCAGATGAATTTTTCGGACGCGCTGGCGACGATT TTTTCGTTGAGGTGCGCCGCCACCGCCTTTAATCATTTGCAGGGCGTGGTTCACTTCA TCCGCACCGTCGATATAGACCGCCAACCCCGATACTTCGTTCAAAGAAACGACGGGAATA TCGTACTGGGCAAGCAGTTCGCCGGATTTTTTGGAAGTAGATACCGCGCCTTTGATTTTT TTGCCGCTCTTACCCAAGGCTTCGATGAAAAAGTTGATGGTCGAGCCGGTACCGATGCCG ATATATTCATTTTCGGGTACGAATTCGACTGCTTTTTCGGCGGCGATGCGCTTGAGTTCG TCTTGTGTCGTCATATTTTTGTCCTTTGGGAAACCGTATCAACAACAGCCGCCATCTTA ACATTTTTTTGCACGTCCTGCCCGCCGCGTTCAAATGCGTACCAGCAATACCGCCGCCTG CGCCTCTATGCCTTCCATCCGCCCGAGATAGCCGAGTTTTTCGTTGGTTTTGCCTTTGAT GTTGACGCACGAAATGTCTATGCCCAAATCGGCGGCGATGTTGGCACGCATTTGCGGAAT GTGCGGCGCGAGTTTGGGTTTCTGTGCAATCACGGTCGTATCGACATTGACCGCCTGCCA. ACCCTGCGCCTGAACGCTTTGATACGCCGCACGCAAAAGGACGCGGCTGTCCGCATCTTT GAACTCTGCGGCGGTGTCGGGGAAATGGCTGCCGATATCGCCCAAACCTGCCGCACCGAG CAGCGCGTCGGTAACGGCGTGCAGCAGCGCATCGGCATCGGAGTGTCCGAGCAGCCCTTT TTCAAATGGGATTTCAACTCCGCCAAGTATCAGCTTTCTGCCTTCGGTCAGTTGGTGGAC ATCGTAGCCCTGTCCGATACGGATGTTCGTCATCGTTTGTGTTCCTGATGTTTTGAATTG AAGTTCAGACGGCATCGAGCAGCCTGACGATGTATGCGTCCTGCGGCTGCGTCAGTT TCAAATTGCGCACGTCGCCCTGTATCAGTAGCGGACGCACACCCAATTTTTCCACGGCGG ACGCTTCATCGGTAATGCCGTCCAAGTTTTCCGCAGCCAATGCGCGGTGCAGCAGCCCGG CGCGGAAAAGCTGCGGCGTTTGCGCCTGCCAAAGGCTCGTCCGCTCGACGGTTGCACTAA TGTTCCCACCGTCCGCGCACTTGAGCGTATCGGCAATGGGAATTGCCAAAATCCCGCCTT CGGCGGCGTTGCCCGCCTGTTCTATCAACCGCGTCAAAGCTTCAGACGGCAGCAGCAAC GCGCGCATCGTGTACCAGAATATTGTCGGTTTCCGCCGCCAAACCGGTTTCCAACAGTT TTGCCACACCGTTGCGGACGGTTTCGGCGCGGGTCTGTCCGCCGTTTTTCCACACCCGAA CCTGTGGAAATGCCGTCTGAACCTTATCGGCAAACGTGTCTTCGGGCGAGACGACAACGA CGGTCAAATCGACGGCCTCATGCCGTTCAAAAATCCCAATCGTATGTTCTAAAACGGTTT TGCTTCCGATTTCGACATATTGCTTGGGTTTGTCCGCACCGAAACGCGCCCCGATGCCGG CGGCGGGAATCAGCGCGATATTTTTGCGCTTCATGCGTCCCGCCGTTTTCAGACGG CACGGCTTCCTTGCGCCAGATACAGGCTTCGCCCAAGCCGTCCAAATATTGCCCGTGCGC CGCCAACTCGTTTTCGTCCGCCCTGATGACTTTCAGTTTGCCGCTGCGTTTGGTTTCGGT ATGCACCACGGGTTTGGTTTCCATTTTTCCTCTGCGGCCGCACCCATCAGGTCGAACTG CCGCCGCGTCATAGCAAGATAGACTTCGCCCAAAAGTTCGCAGTCGATCAATGCGCCGTG CTGCCCGGGGAACATTTCGCGCGCCATCGCCAGGGTATCGGTAACGGTACAGCCGAGTTC CTCAACGGTCGGCAACCCCATCCGGCGGAACTCCATATTGAGGAAGCCCACGTCGAATTT TGCAAACGGCGGCGCTTTTTCCCTTCCAAAACCTGTATCGTCAAGCCGTGGACGCGTGC CGCCTCTTCGGGCATATCGCGCTCGGGGTGGACATAGAGGTGCAGGTTTTTGTCGGTCAT TTGGCGGTTGACCATTTCCAAACCGGCAAACTCGACCAAGCGGTCGCCGCCGTCGGCATA CTATCTTCGTAAATTGCTTATTTTTAAGCAATGTATTTTTCTGTTTTCATTTCAATGCA CAAACCCACTTATTCACAGTGTGTTCACAACATTGGGCAGGCGGATTGTGTATTTTGGGG ACAATTTTTCAGACGGCATTCAAGGTTTTTTCCTGATTGCCGCCGCGCCTAAAAACCGC CTTTCGCGCTTAATCAAAAATACCGACAACGGAATATTGCCCAAAGCGACAATCAGATAC AACAAGGAAATGCTGTCAAACAAAAACAGCAACACCGCGCTCAAAACGGCAGCGGAAACC ATAAAAATACCGTTAACGATATTGTTGGCGGCAACGGCGCGGGGCGCGGAAAGTCTCGCTA CTGGCGGTTTGCAGCCAGGTATAGAGCGGAACGGAGAAAAATCCGCCGAAAAAGCCGATC AGCGTCATCACCGCCATCACGGGATATGCCCATCCTTGCGATAAAAACCAAAAAATGCCG TTCAGCCCTTCAAAACGGTGTCCGTGCGTCAGCCACACCAAAACCAAGCCGCAAACCGTC AAACCCAACGCACCAACCGTTACCCAAGCCAACATCAGGCGTTCCCTGCTGAACTTGGCA TTGTCGTTGCCGCCCAGATGGATTTGGGTAAAGGTCGGCAGTTGCGTGGTATAAACCGCG CCGACAAACCAAAACCACGAAATACCGATAATGGCGGTAAAAACGGGCTTGTGCCGCACC GTTTCACGCAGGGATTTTGTGCCACGGACAATATTCCACTCAATTTGTGTATCGGCA GCCTTGGCGGGTACGGACGGCATAAACAGGCTGCCGACCGTGCCTCCGACGGCGACCAGC AAAACCAGTATCCCGACAATATAAGGCGGTACACCTGCCACCGCCGTTCCCAAAATCTGA CCGAACAGGATGGCGACAAACGTACCCGATTCAATCAGGCTGTTGCCCATCATCAACTCT TTGTCGTCGAGATAATCGGGCAGGATGGCGTATTTCAGCGGCCCGAACAGCGTCGATTGC GCGCCCATGCAAAACAGACACGCCAAAAGCAGCGGGGCAGACCGGATATAAAACCCGTAT GCCGCCACCGCCATAATGATCATTTCCAGCACCTTGACCCAACGCGCCAAAACGGCCTTG TCGAATTTGTTACCCAACTGCCCCGACAGCGAGGAAAACAGGAAATACGGCAAAATAAAC AGCAACGCGCCCAAGTTCAACATCTGTCCGGCAGGCAGGAAGCCGTTTTGCCCCAAACCG -- TAAAACCCAATCATCACAAACAGCGCGGTTTTGAACAGATTGTCGTTGAACGCGCCGAGA AACTGCGTAGCGAAAAGAGGTGCGAAACGGCGGCTTTTAACCAGTCCCAAACCGCCTTTT

TTAGCGTACATCGTTTTCCCTCTTTTTCAATCAGTTTACTTGTCGAATCATCATCCAT CAGGATGCGGTGCGCCGGCCCTTCCAAGTCGTCAAACTGCCCGTTTTTTGCCCGACCACCA AAAAAACCAGCCGATGACAAACGCCAAAATAATGCTGATGGGCACCAATATAAACATGCT TATTCGTTACGCAAAGTTCCGACGGGAGCTTCGTCAAAAAACAGCTCGATACGGTCTTTG ACCACGCGCCAATATTGGGGGATTTCCGTCTGACCGAACGGCGACAGGACATGATTTTCC ATTCCGCCTTCAAGTTTGACGGCAAAACGCCCGCTTTGCGGCCGTGCTTCCGATTCGTCG TCGGCAAGCAGGATGAAAAAGCCTATATGCCGTCCCGATTGGTCATGAATACTGAAATAA TGCATAAATTTCCCACCCGCCTTTTTTCAGACGACCCAACTAAAAACAGGGCGAATGTA ACCGCATATCCCCCTTTTTTCCGTCAAAATGCCTGACTTCCGCCATTTTCACGCAAACGC CCGATTAAGCCAAGCAATTGCAAAGATTTTTTGCTAGAATAGCCTGCTTCTTTTATCAAC CTTTTCAGACGGCCCCACTACTTTCCCGCCCAGGAAGGCAAAACGGATTCGGCACGAATC CGGTTAGTATCCGTGTCCGATTCCAATGCCGTCTGAAACTTTCCGGAGTAAGAAAATGTC CCAAAAATTGATCTTGGTTTTGAACTGCGGCAGCTCGTCCCTCAAAGGCGCGGTCCTGGA TAACGGCAGCGGCGAAGTCCTGCTCAGCTGCCTTGCCGAAAAACTCAACCTGCCCGATGC CTACATCACATTCAAAGTAAACGGCGAAAAACACAAAGTCGATCTGTCCGCACATCCCGA CCACACCGGCGCGGTCGAAGCCCTGATGGAAGAACTCAAAGCCCACGGCCTCGACAGCCG CGTTGACGACGAAGTCATTGCCGGCATCGAAAAATGCATCCCGCTCGCCCCCTGCACAA CCCCGCCCACCTCTTGGGCCTGCGTGCCGCGCAAAGCATTTTCAAAGGCCTGCCCAACGT CGTCGTATTCGATACCTCCTTCCACCAAACCATGCCCGAAGTCGCCTACAAATACGCCGT TCCGCAGGAGTTGTATGAAAAATACGGCCTGCGCCGTTACGGCGCGCACGGTACCAGCTA CCGCTTCGTCGCCGACGAAACCGCGCGCTTCCTCGGCAAAGACAAAAAAAGACCTGCGTAT GGTCATTGCCCACTTGGGCAACGGCGCGTCCATTACCGCCGTCGCCAACGGCGAATCGCG CGACACCAGTATGGGCCTGACCCCGCTGGAAGGGCTGGTAATGGGTACGCGCAGCGGCGA CATCGATCCTTCCGTATTCGGCTTCCTCGCCGAAAACGCCAATATGACCATCGCCCAAAT CACTGAAATGCTGAACAAAAATCCGGTCTGCTCGGCATTTCCGGCCTGTCCAACGACTG CCGCACCATTGAAGAAGAAGCCGCCAAGGGGCATAAAGGCGCGAAATTGGCCTTGGATAT GTTTATCTACCGCCTTGCCAAATACATCGGCAGTATGGCGGTTTGCCAGGCGGTTTGGA CGCACTGGTCTTTACCGGCGGCATCGGCGAAAACTCCGACATCATCCGCGAACGCGTGAT CGGCTACTTGGGCTTCCTCGGTCTGAACATCGACCAAGAAGCCAACCTGAAAGCCCGCTT CGGCAACGCCGGCGTGATTACCACTGCCGACAGCAAAGCCGTTGCCGTGGTCATTCCGAC CAACGAAGAGCTGATGATTGCCCACGACACTGCCCGTTTGAGCGGTCTGTAAGGTTTTAT ACAGCACTGCCTCTTTTCAGACATTGACGGTTGCAGCCGCTTACCTGAACCTTATAGTGG ATTAAATTTAAATCAGTACGGCGTTGCCTCGCCTTGCCGTACTATCTGTACTGTCTGCGG CTTCGTCGCCTTGTCCTGATTTAAATTTAATCCACTATAATGATTAACTATTTTTTAATC **ATGTTATTATTTTCCATAAAATACATGACATTAAGATGTTTTTCCACAAAAGATACACAC** ACCGGCAAACACCGGCTGTGTTTATCTTTTCTTATGCCTATTTTTTAATCATCGTATTTT TATCTTTTAATTTCAATACGCAAACTAACTTATACACACGGTTTTCACATCTTTAGACTG CTTCCGTGTGTATAGTGGATATTGCCGTTTTCCTTTCTGACAAAAATGCCGTCTGAGAAC TTCAGACGGCATTTGAAACATCGGAATCAGCGGTTTTGTTCATACCACTCGATAAACTTG TCTGCTTTGACAAAACCCAGCAGCGGCTCGCTGCGGCTGCCGTCGGAGCGACAAAC ACGCCCGGCGCCCGAACAGACCGTATTCTTTCAACAACGCCTGATGTTCGGGCGTGTTG GCGGTTACGTCGATTTGGAAAAAGCGTTCCATATCGACTGCCTGATGCACTTCCGGCTGA TTGAGCGTGTAAGCCGCCATTTCTTTGCAGGAAATGCACCAGTCGGCATAAAAATCCAAA ACGACGGGTTTGTCGGGATGTTCTTTCAACGCCGTATCCATCGCTGCCTTCAGCGCGGCA GTATCGGCAAACATTTTGCCGTGTTCCGAAGATTTGCCTGCTTCGGCTGGTGGATTGAGG GTCAGGAAATGGTGCAGCGGGTCGTTTTGCCGTTTGCGCCCTGCCAGCCGAACCACGCG CCGCCTATCAGCAATATACCGCCCAATGCGAATGCCACAGCTTTCGGACGGCGTTTCTGC CTGCGTCCGTTGACCAGCAGCATAAAGGCAGGAACCAGCATCAGCAGCGTGTACAGCGCG ACGACGAGATAATAGGGCAAGTGCGGCGTGGCGAGGTAAACGGCGACGGCTAGCAGGATG CCGAACGTGCCGATGGCAATCAGCGGAACGCCGGTGCCCAACGCCAAAGTGTAAAGTGCC AAACCGCCTAAAACCGCATCGCCCGTCTGACCGATGTAGCCCAAAGCAAATGCCAGCGGC GGGGCGACGCCCGACAATCAGCGCGGACAATATGCCCATAATAAAGACGGAAACG ATTTTACCGCCTGAAAGCCTGCTGCTTTGATTCTGAAAATACGACTGCACGGCGTTGGGA **AGCTGGATGTTGAACAGCCCGAACATAGACAGTGCCAAGACGACCATTAAAGCCGATGCC** GCCAATACCACCCAAGCCTGCTGCAACCATACGGTCAGCAGTGCGCCCGTCAGTCCGGCA ACAATGCCGACCAGCGTATAAGTCAGAGCCAAACCCTGAACATAAACGACGGACAGCACA AACGCCCGCGCCTTGCCCGCCTTTTTGTCGCCGACCACAATACTGGAAACAATCGGCAAC AGGGGATACATACAGGCGGTAAAACTCAGGCCCAAACCAGCGAGAAAAAACGCCAAAAGA TTGGCGTTGAGCGTATCCCAAGACAGCTTGAAACGGCTGTCGCCGCCCTCATCCCCCTTC GGGGGCGCCCCCCCCCCCCTTTTGAGAGGAAGGCTGCAAAAAGCGGTCTTTGGCG GATGCCGGTTCGTCGGTTTGCGGATGGTAAGTGCCGTTGCCGAAAATATCAAACTCGGTA TCCACGGGCGGATAGCACACGCCGGCTTCGGCACAGCCCTGATAGGTCAAAACCAATTTA TACGGTTCGCCGACAGCCTTTGCATAAGGAAAGGCAACCTGCGCCTCGTGATGGTAAACC GTCTGCCTGCCGAAAAACTCGTCTTCCTTCTCTTCGCCCTTGCTGAAAGAAGGCTGTCCC AACAAATCCGCCGGATCGGTCTTGCCGACGATTTTCGCCTGATACATATAGTATCCGTCG GCAATCCTGAAACGGACGTTCACACCGTCGTCGGCAACGGCAAGCTCCGGCACGAATGCC TTTTCCGGCGGCAGCAGATCGTTCGCATCCAGCGCGAAAGCTCGTCCGCACAACATCAAA AATACGGCGAACAGGCAAATCAGTTTTTTCATAATCGAATCCGTTTCAGACAAATAATTT GTCTGCATTATAAATGGTAAGGTTGACGGTGGGATTTAATTTATGTAAAACCCGCCATTA TCCGAACCTATTTCCATAAACATCTTATCGAACCCGCCATGTACGATGTCAATACCCACG

ATGTCCGCCGCTTTTTCGCCCGCGTGTGGCAGCAGCGGCTCAATCCGCTGCAACTGAGCG CACTGGAACAGAAAGCCCTCCGCATTGTCGAAGCCCATCCCGAATACCACCGTTATCTCG AACGCATCGAAGACCATCTGGACACCGACTGGCTGCCCGAAAACGGCGAAAGCAACCCCT TCCTGCATATGTCGCTGCATCTGTCCGTCCAAGAACAGGCGGGCATAGACCAGCCGCACG **AAATGATGGAGGCACTGGCGGAAACACTGTGGACGGCGCAACGCTACGGCACCGGTTTGG** ATGTCAATTTCTACATGACCCGACTGCGCAAACTCATCGGCTTGGGTGCAGAAGATCAAG CCAGATTGAACCCGCATGAAATCGCCTGACCATACCAACCGCCTGCAAAATGCCGTCTGA AGCGGAACAACCCCTTTCAGACGGCATTCATTTTCCCCCAATCATTTCCACAACGCCTTT TTCAGCATAATCAACCAATCCTTCTTATCCAAAACGGGGCGTTGTGCAAACACATCGTAT CGGCACGCGTCCAGTTTCTGCAAAATCAACTGCGCCCCCAACACAATCATACGGAGTTCC AAACCGATACGCCCATTCAGTTCCCTTGCCAAAGGCGAACCCGCCTTCAGCATACGGAAC GCACGCCGACACTCATACGCCATCAGCCGCTGAAACGCCGCATCCGCCCGTCCTGCCGCG ATCTGTTCCTCAGAAACACCGAATTTCAACAAATCGTCCTGCGGAATATAAACCCTGCCT TTTTGCCAATCCACAGCCACATCCTGCCAAAAATTCACCAGTTGCAAAGCCGTACAGATG CCGTCGCTTTGCGCCACGCACCCGCATCCGTTTTCCCGTACAAAGCCAGCATAATGCGT CCGACAGGGTTGGCGGAACGCCGACAATAATCGGCCAGCTCGCCGAAATTTCCATACCTT GTTTTAACCACATCCTGAGAAAATGCAGAAAGCAAATCATAAAACGGCTGCAAATCCAAA CCGAACGGCACAACCGCCTCGGCATCCAATCGTGCAATCAAAGGATGCGCCGACCGGCCG CCCGATGCCAACACGTCCAACTCGCGCTGCAAACCCTCCAACCCCGCCAACCTGGCTTCA GACGGCATACTGCCCTCGTCCGCCATATCGTCCGCCGTCCAAACGCGTACACCGCG TGAACCGGCTTCCTCAACCTGCGCGGCAAAATCAGCGAACCGACGGGAAAATTCTCATAA TGCCCAACCGACATACCTTCTCCATCCATCAAACAAAATGCCGTCTGAAACGGAACAAAC CCTTTTCAGACGGCATCAGATACCTCCAAGCTGCCGGCAATCAGTGGTGGTGATGACCGT GCGGGCCGTGGACATGACCGTGTGCGATTTCCTCATCGGATGCATCGCGCACGCTTTCAA CTGTAGCCTTAAAGCGGATTTTCATGCCTGCCAAAGGATGGTTGCCGTCCACCACCGCCT TGCCGTCGGCAACATCGGTTACACGATAGACGACAACATCGCCGGTTTCAGGATCGTCGG CTTCAAACATCATGCCGACTTCGACTTCAACAGGGAACACGCCCGCATCTTCGATACGGA CCAACTCCGGATCCTGCCCGAACGCATCGTCGGGCGACAGCGCCACATCGACCGTAT CGCCGGCATCCTTACCGTGCAACGCCTCTTCCACCAAAGGGAAAATGCCGTCGTAACCGC CGTGCAGATACGCAATCGGTTCTTCGGTTTTGTCCAAAAGCTGATTGTTGGCATCATACA TCTCATAATGCAGCGAAACCACGGAATTTTTCACGATAGCCATATTTGTCCTTTCAGGAA CTGTTCATAAACTGTACAGCACATATTTCAATGTAAATCTTTGTTATTTTATTGCGGTGT AACTTTTTTACAACATTCTTAAAACCATTCCGACCTGTCTGCCGACTTTCCCAATCCGCC TTAATAAATCATACAAGATACTGAAATTATATTAATCTCTATAATATTTATCCCTATCGA TTCAAACCTTTTTCCCATCTGTACGACATTGCAATCCCTTATTCCATAGTGCATAATTAC GCAAATTCAGCGATGAATTTCCAACCCGGTTTGTAGTATGGTCGATAAAGACCTATTTGT TTCAATAATTTAAATTGGTTCTAAAGGTTACTAAAATGAAAAATCCCTGTTTGCCGCTG CTTTGTTGTCTTTGGTTCTGGCAGCCTGCGGCGGTGAAAAAGCCGCTGAAGCTCCCGCTG CTGAAGCACCTGCCGCCGAAGCTCCCGCTACTGAAGCACCTGCCGCCGAAGCTCCCGCTG CTGAAGCACCTGCCGAAGCTCCTGCTGCTGAAGCTGCCGCTACCGAAGCACCTGCCG CTGAAGCTGCCGCTACCGAAGCACCTGCCGCTGAAGCTGCCGCTACCGAAGCACCTGCCG CTGAAGCTCCTGCCGCAAGCTGCAAAATAAGCATTTTCCGCTTGCAAAAAAGCAGGAT ACGTTCAGTATCCTGCTTTTTTGATTTTTCAGACGCCATCAGATTCCCTTCCTCAATCTT CTCCCTACCCTTCCGACAAACATGCTTGACCTTCATACCGAATTTTCCCGACTCCTACCG GCAGATGAAATTGCCGAACCTTCTCCGACGCTTTTAAAAGACCAGCGCAACCGCTTTACG TCTGCACCAGACATCATTTTGCAGCCGCTCAGCGTTAAAAGCGTGCAAACCATTATGCGT TTCTGCCACCAACACCGTATTCCGGTTACGCCGCAAGGCGGCAATACTGGTTTGTGCGGC GCGGCAGTATCGGAAAACGGCGTATTGCTGAACCTTTCCAAACTCAACCGCATCCGCAGC ATCAATTTGTCAGACAACTGCATAACCGTCGAAGCAGGTTCCGTACTCCAAACCGTCCAA CAGGCAGCCGAAGCCTCAAACAGGCTGTTCCCACTCAGTCTCGCCAGCGAAGGCTCGTGC CAAATCGGCGGCAACATCGCCTGCAATGCCGGAGGTTTGAACGTATTGCGTTACGGCACG ATGCGCGACCTGGTTATCGGTTTGGAAGTCGTCCTCCCCAACGGCGAACTGGTTTCCCAT CTCCATCCCCTGCATAAAAACACCACCGGCTACGACCTGCGCCATCTGTTTATCGGTAGC GAAGGTACATTGGGCATTATCACTGCCGCCACGCTCAAGCTGTTTGCCAACCCCTTAGAC AAAGCAACCGCATGGGTCGGCATACCCGACATCGAATCCGCCGTCCGCCTGCTGACCGAA ACCCAAGCACACTTTGCCGAACGCCTATGCAGTTTTGAGCTGATCGGCCGTTTTGCCGCC GAATTGTCTTCCGAATTCAGCAAACTCCCCCTGCCGACACATTCAGAATGGCATATTTTA CTTGAGTTGACCGACTCATTACCCGACAGCAATCTTGATGATCGGCTTGTCGAATTTCTT TATAAAAAAGGCTTTACCGACAGCGTGTTGGCGCAAAGCGAACAAGAACGTATCCATATG TGGGCGTTGCGCGAAAACATCTCCGCATCGCAACGCAAACTGGGCACCAGCATCAAACAC GATATTGCCGTTCCTATCGGGCGCGTTGCCGACTTTGTCCGCCGGTGCGCCAAAGATTTG GAACAGAATTTCAAAGGCATACAAATCGTCTGCTTCGGACATCTGGGCGACGGCAGCCTG CACTACAATACTTTCCTGCCCGAAATCCTCAGCAATGAAGTCTATCGTTACGAAAACGAC ATCAACAGCACAGTCTATCGCAACGTCCTTGCCTGCAACGGCACGATTGCCGCCGAACAC CTGATGAAAAGCATCAAACACCCTTGATCCATATAACATTATGAATCCGGGCAAACTG CTTCCGTAACCGGCATTTCTGATTTGCATACACAACAAGAAAGGGACAATAGATCCGAT TGTCGGTTTAGCGCGAGCTCGTGAGTGCGGTTAAAAATTGGTGGAAATTACACGAAAAAT GACCGCACTTTTAAAATAAAAAAATCGGCAGTGAATTTCCCTGCCGATTTTATTTTGTTA CAACTTAACTTAAAACGTCCACTGTAAATTCAACGCACCTTGTTTAGCTTGATGATGTTT GCCTGTTTGGCGGTTGAATGTGGCTTGTAAGGTTAAGTGAGATTTGATTTTCACTGCTAC

ACCTAATTGGCTCTCAATTGCCGTCTTATTGTTTATCACTCGACGCTCTCCGTCCATTTC

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CACACCGAAAGGTTTGTTGTGGTAAAGCGCGTTCACAGCGGCGAAAGGTTCAATAGCGAT ATTTTTATAGAGTGAAAATTGAGCTTTAGCTTGAACGCCAACCCGAGTTTGTAATTGGCG GGAGCCAAGTAAATTCACGTGGGCATTTTCGCTATCGCTGAATTTTCCGTTTACCCCCAA ATAAGTCAATTGTGCCTGTGGTTGTAGGTAAACACGAAGGCTGTTGCCCTTTTTAGTGAA GTGTTCCGCCAATAACGCATTGTAACCTGCTTCAATTGAGGCAGTAATACCTTTTGAAGT AAAACGTTCTGTACCATCTTCAGTGTTGATACGGTGGCGGAAGCGTTGATATTGCATCCA GCTATCCGCATACGCACCTGTCTGTTTGTCCTGAAGTTGGTGCCAAGTGGCGTAAACGCC TGCACCAAAGCCTTTCACATTTCCCGTTGTAAGATTGTCTGTATCTGGGTTGTGGAAAGT GCTACGTTGTTCTGCTTGTCCGCCCATTAAGCCAATAGAAAGTTGATTACTTTCGTTTTG CCATGTGAATACTTCGCCGCCGAGTTGCACACCTTTACGATAGCCTTCTACAGGTGCTGT TTTGCCTTGCACCCATTGGTTGGAATGTCCGTCAATCACACGCAACCACAAGCCTTTGCG TGGTAAAGTGCGGTCGAAAATATCGCTGTTTTTGTTGTTCAAACGCAAGGCGAATAAGGT ATTGGCGGCTTGAGCCTGTTGTGCATAAATCGCCATATCATCGCGTTCTTGCACTTTGGT AAAAAAGCCCTCTGGGCGTTGTTGTAAAGAAAGCGTATAAATTCCCTTTTGGTGTTTGCC AGAAAGACGGAATGCGTGTTTATCTGCTGTGCCATTTACTTTGATAATTTGATGCCCATC GAGGCTTTTTAAATCGTCTATTGGATTTTCGAAGATGATGTCGGAAGTGCCAGTAACATT TTTCTCAAAAATTAATGCAGTATTTTTCGCTTCTTTAGGATCGTAAGCAAAACGAAAACG AGCTCCGCCAGCATAATCTTCTTTTACGAGTAAACTTTCACTTTTAGTATTAAAACGGAT GTCTGCATTCGTTGTTTTTAATTTCCCAACATTAGAATCCCAACGGGGCTCCCAGAGAGA ATTTTCTAAGCGGAATTCATCCAAACTAATCGTTTGCCCGATAACGTGCGAGTTGTCTGT **AACCTCAATATAGTGGAATGGATCTAAACCAGAATATAGATGTGCTGCAAAAGAAACATA** ATTTTCAATATGATGAATTACTTGATTAGCCCATTCTGTATAATTCCCGACAGATAAAAT TTCGCTGTTGATATGACTATTTTTTATTTTTGGACCTAAGGAGAATATATGACTTTTTAC TATAAGAGGATGGGATCCAAATTTTTCAGCTTGGCAAGTACTATAATCACGTATCTTAGT GTTAGAATTAAAACATTCCTTAAAATATTTCCGTATTTGTTCTTCTGTGTCCCCATTTCT TTTTGCAACCCCTAAACCTCGGGCGAAGCCAACTAGGTAACCTTCGGTATATTCTTGATC ATAAAAAGAAATCTTTTTTGAGTTATTGATGTTTTCGAATTGGTATGTTCTAGGGTATAG TGCGGGAAAGGGTGGAACTTTTGGATTATCCTCGGTTATAAGATAAGTTTCTTTTTTCCA ATATTCACTCGTTTTATCGCGGAGTTTTTTTAAGCGGGTAATTTCATCATTAGTGAGCTT GGTTTTGTCGTAAACGTAATCAACAGCCAAAAGCGGAGAGGTATAAAGAATAGAAAAAAA ATAATAAATTTTCCTTTGTCAAGTAAAAATAAATGGGGCGTGGATTTTAGCATAAAACTG ACGTTTGCTTTTTGTCAAGCCAGTTTGAAAATGTGTATAATTGCCCTCGTTA TTTACAAAAATTTCAGGAAAAATGACCGCACTTTACCCTTGGCTAATGCCAATTTATCAT CAAATTGCTCAAACCTTTGACGAAAGCTTGGGGCATCATGCCGTGCTGATTAAAGCGGAT GCTGGTTTAGGTGTAGAACGTTTACACATCAGGCGGCAGCCTTGCCCATACCGTCTGAAG CACTGTTTCCACAATCAGCGCGTATGCTTAATCAACCGCTGTTTCTCGCGTTTCCAATCC GCCTCTTTCATACTCTGGCGTTTGTCGTGCTGTTTCTTACCTTTTGCCAAACCGATTTCC ATCTTGATTTTTCCGCGTGAAAAATGCAAATCCAGCGGCACGATGGTGTAGCCGGCACGT TCGGTTTTGCCGATTAATTTGTTGATTTCCGACTGGTTCAACAAGAGCTTGCGCGGACGT ACGGCATCTGGTTTAATGTGTGTCGAGGCTGTGGGCAAAGCCGTAATATGGCAGCCGACC CGGATTGCTTTGACTTCCCAGCCTTCCAAGACCAAACCGGCTTCAATCCGGTCTTCAATG AAAAAATCGTGAAATGCTTTTTTATTGTTCGCAATAGCCATAAACATCCTATCAATATCC GCCGTCAGACGGCATAAACCCGAAAACAGAACCCATCATACCGCCTCTTCAACCGCCTGC ACAATCTTCTCGGGATACAGCCTGTTGAGGCAGTCGGTATGCCCCAGCGGACATTCCCGC TTAAAACACGCGAACATTCCAAGTGCAGGCTGACGATTTTCGCCCTATCGCTCAAAGGC GGCGTATGCGTCGGGCTGGAAGAACCGTAAACCGCCACCACCTTCCTGCCCAAAGCTGCC GCCAAATGCATCAATCCGCTGTCGTTACACACGACCGTGTCCGCCAACGACAGCAAATCC ATTGCCTGCGACAAATCGGTTTTGCCGCACAAATTGACACACATACCGTCTGAAAGGCGG TTGATTTCCTCGGCAATTTCATCATCTTTTTGCGAACCGAACAGCCAAACCTGCCAACCC GCCGCCAGATAATGTTTGCCCAACTCGGCAAAATGCCTTGTCGGCCAACGCTTTGCCGGC CCGAATTCCGCACCCGGACAAAAGCCAGAACAGGCTTTCCAATATCCAAGCCAAAGGTT TCGACAGAAATTTCCCGCCGCCGTTCATCAATGGAAAACTCGGGGAATCCCGAATGCCCG TCAAAATCTTCCTGACTCGGATGCGCGAGAGCCGTATATCGATCCACCATCAAAGGCAGA CGTTCCTTATCCAGCCTGCGTATATCGTTCAACAGAAAATAACGGCTTTCACCGACATAA CCCGTCCTTTTACCGATACCTGTCGCCAGCGCGATGATTGCCGATTTCAAAGAACCGGGC AACACGATAACCTGATCGTATCCGCGCCGCCCCAAATCCCTACCGACCCGCCAACGGCGT CGCTCGAACACCGCCATCGACCACTTCGGTGCGAACACATCAATCGTGCAACCGGGGTGA **AGTTCCTTCAAACGGCGGAACAAGGGCTGGGTCATCACGCAGTCGCCTATCCAACTGGGG** GAAATAATCAGGATTTTGATGGACATAACAAGAAACCGAAATCAGACAGGCAGAATTTTA CCGCGAAACCGTTGGAAAACCTATCTTGCCGCATTCCGAACGCCGGACGTGCAAATATGA AAAAGCCCGAACATTCAAGTTCGGGCTTCAAAATTCTGGCTCCCGACCTGGGCTCGAAC CAGGGACCTGCGGATTAACAGTCCGTCGCTCTACCGACTGAGCTATCGGGGAATGGGGCG TATTATAGCGTCCGGAAAAAATGTGTCAATCCTTAATTTTGGAAAAATGGGCGACAAAAC GACAAGCATATGAATCAGAAAGACATTAAGACCGATGCCTTAAAAGGATTGCCGTTGTAT GAATTTCCACAGCCGTCATCACACCATATTTAAGCCCGATGAGCCGTTCTGCCCTCCCCC CGCTTAAAACAATGCCGTCTGAACTTCGCCGTGTTCCAAAGCCAGTAAAAACTGTTTGCG GTTCAACCCGCCGCGTAGCCGGTCAGTTTGCCGTCGCTGCCGATGACGCGGTGGCAGGG **AATCAGGATAGATACTTTGTTCTGCCCGTTGGCGGCGGCAACGGCGCGGACGGCTTTGGG** GTTGCCCAAACGCTGCGCCTGCTCCTTGTAGCTGCGCGTTTCGCCGTAAGGAATCGCCAA GAGCGCGTCCCATGCCTGCTTTTGAAACTCGGTGCCAATCTGCTCCAAAGGCGTGGCAAA GGTTTTCAGACGACCCTTGAAGTATAAGTCCAATTCCTGCCGCAAAAGTTGCGTCCGCTC

ATCCTCCCGAAACACAAACCGTCCGCGCAAGGCTTTTTGGACGGCGGCAATTTCCTGTTC CAAATGCTTCTGTCCGACAAATTCCAGCAAACACAAACCCCTGCTACCGAACACCGCCAG CATCTCGCCCAAAGGCGTGGCAATGGCGGCACACACCAGCTCGTTCAAACTGTCGGGATA ACGCGCTTCCAACAGACGGATGCGCGCGCGCGCGCACATATTCTTCAGGCGCGCAGCC GATATTGTCCCAAAAATCCCGCTCGAACTGTTTGGCTTCGCATTCCGTCAGATTGGGATG CGGCATAACGCCGCACTCAAAAACCCGAGATTCGAGCCAATGGCGGATTTCATCCCATTT AGATTTGACGGCAAAATCCCCAATTTTTGCCATTCCCGCACGCCGGACCAGGAACGGCCT ATGACGTAAATCTTGAGGGTTAGGTTGCGGCAATACCTAAATATTCGATATTTCTAAAGC ATCAGAGAAAGGAATGTTTCAACACACAGGACGACACATAAAGCGCCGCCCCATGAAAAA TTTCAGACGACCTGCAAAGGGTCGTCTGAAACCACGATTTTTGCATTTGCGCATTCTGGC ACATCATCCAACCGTTTCGGCACATTCCTGCCGCCGTTGACAGCCTATAATGAATCCACT TATTCATCAAGCAAAGGAATCATCTATGCAAACCCTCATCCTCTCCGCCGTACTGCTGGC TTTTCAACCGCTGCCTTTGCCGGGGGGGGCGCATTCACGCTGCAATTCGACAACCCGTCCGA AGACGGCGGCTTCACGCAAAACCAGCTTTTGAGCGCGCCCTTACGGCTTTTGCTGTTCAGG CTGACCGTTTACGATAAAGACGCGCCGACCGGACTGGGCTGGATGCACCGGGTGGTCGCC GACATTCCCGCCGATGTCCACCGCCGCAACGCGACCTCGCTGCAATTAAGCCGCTGCGCC AACATCGCCGACCGGACTGGGCTGGATGCACTGGGTGGTCGCCGACATTCCCGCCGATGT CCGCCGCCGCAACGCGGCCTCGCTGCAATTAAGCCGCTGCGCCAACATCGCCGACGACCA GTCCGCAGCCATATCGGCGGTAATCAGTTTGCGGATTTGCCGCATCAGGTTGACGCCTTC GTACACGGCAAAACCGATGCCGTCATGCTGCAACCACGCCAACACGCCGCAAAGCGCGGC CTCCGCAGCATTGTGCGGCACTTCTTCATCCGCCAGTACCGCAGCCTCATAATCAAACGC GTATTGTGCGGCGAACCTTTCTACGGTTTCCTGTTCGAAAGCAATCCATTGCGCCTGATA GAGGCCGTCTGAATCGGGAATATTGATGACGTCAAACGTCTGTCCGCCTGCCAAGGCGAC CGCCTTACCCGCCGCAGCTTCTTACTTCCGCGCCGCACGATAAGCACAGCCGGTTCATAT ACCGCCACGCTGCGGTACAAGGCGGTATGATGTTGCACGATGCCGCCTAAAGCACCCAAT CGTTCGCGCGTATGAAAGTATAGTGGATTAAATTTAAATCAGGACAAGGCGACGAAGCCG CAGACAGTACAAATCGTACGGCAAGGCAAGGCAACGCCGTACTGGTTTAAATTTAATCCA CTATATCTCAAACCCACGTTAGGTCTAAGCAAATGGTCGGACATCCTTATCCGACAGCCC ATCTTCTTTTCAGACGGCATTGCAAATTTAAGTTTGACGTGCGTTCAAAATAAGGCAGTT AATGCGAAGCGAAATTCCGTCGGCGTACCTGCAACTTGGCCCCTCCCCTATAGGGGAGGG TCGGAGGGAGGGTAAAACGGGGCAGATACAGACAATATTTCCGTTGCCGCCCCGATGCCC ATAAAAAATCAATGTGTTATCTCAAACCCACATTAGGTCTAATCAAATGGTCGGATATCC ATATTCGGCAAGCAAGCTGCTTTCAGACGGCATTTCCAGCCAACAAGCGCGCCAATATCC CCTCATACACCGCAGACAGCTTCGGAATGTCGTTTAGCCGCACGTTTTCGTTGATTTGGT GGATGGTCGCATTGGACGGCCTAATTCGATAAGTTCTTGCGCAATGGCTTTGATGAAGC GTCCGTCCGAAGTGCCGCCGGTGGTGGACAATTCGGCCTCAATGCCGCAGGTTTCGGCAA TGGCTGCGCGTCGCTCGGTCAGTTTGCCCGCTTGGGTCAGAAAGGGCTGCCCCGAAC ACGACCACTGCAAATCGTATTGCACGCCGTGTTTGTCCAAAATGGCGTGGACGCGTTGTT TCAGCCCTGCTTCGGTGGACTCGGTGGAGAAGCGGAAATTGAATTTGACGTTCAGCTCGC CCGGAATGACGTTGGTCGCCCCTGTGCCGCCGTTGATATTGGAAATTTGAAAGCTGGTTG GCGGGAAATATTCGTTGCCTTCATCCCAGACTTCCTGCGTCAGCTCTAACAAGGCCGGGG CAAAAGTATGCACGGGATTGATTGCCAAATGCGGATAGGCAATATGGCCTTGCCTT TGACGGTCAGGTTGCCCGACAGCGAGCCGCGCCGACCGTTTTTAATCATATCGCCCAATT TGTCCACGGCGGTCGGTTCGCCGACGATGCAGTAGTCGATAAGCTCGTCGCGCGCTTTCA ATACATCGACGACTTTGGTCGTGCCGTCCAACGCGTCGCCCTCTTCGTCGGAAGTAATCA GAAGCGCAATGCTGCCTTGGTGGTTGGGATGTTTGGCAACGAAGCGTTCGCAGGCGGTAA GCTCGGCCGGTTCGAACGGGGGGGGAATCCCATTTTTCGACAGGACCTGTCGGTACAACGT CGGTATGCCCTGCAAAACAGACGACGGGGGGCTTTCGTGCCGCGTCGCAACCAGATGTTTT TGGTGTCGCCGAAATGGAGTTCTTCAGCCGCAAAACCGATTTTGTGCAGGCGTTCGGCAA GGAGTTTTTGGCAATCCCTGTCGTCAGGGGTAACGGATGGTCGGGAAATCAGCTCTTTGG CAAGCTCTAGGGATTGAGTTTCGGTCATATTTGTTCACTTTTGAAATTAGACCGTCTGAA TTACCCATCAGTCTTCTGAATCATTTGCCGTGGCAGGCTTCGTAAAGCGGCAGCAAATCT TGCGCGACGGTGCGGTAGTCGTATTCGCTTTCCGCACCGTGCCACATATCGAAAGAA GCGTATTTTTCGGTATCAAAATTATCCAACCAGCGGTTGTAATCAGGCAGCGCGATGGGG GAAACATCGGCTTTATAGCAGTGCCAATCCAAGCTGACGCTCAGACGGCGGCGGTTGAGC AGTATCGACAAAATCGCTGCGGAATTTTTATATTGTTCGTATTTGAAGTAGGCAAAGAAA TGGGCGCGAACCTGCCAGCCGTTACACCAGCGTTCGATGTGCGGCGCGCAAACGGCGCA CCCAATTCGGCGGCAACCTGCTGAATCAGCTGCCATATCTGCCAGTTTTCTTTATAG TCAGCCTTGATTTGCGGAATGCTTTCAGGCTGGTATTTTTTAAGCTGGGAAAATTGGAAA AACGGGATATTGAACAAATCGCAACTTTTCGGGGTCAGCATAATATATCCTTGAGACGAT TGTTTCAGACGGCATTATTTGCGCCGGCGCGCCGCCATAATTTCGCCGATTTCGGTCAGT TTTTCTTTTGGGATAAAGGTGTTGCCCATATCAAACAGCGGCTCTTCAATCGCCAAATGA ACATCATATCCCGCCACAAAACGTTTGAACGCTTCCTCATCGGGGACATAAGCGTTGTCT GCTTCGAGTTTGGCAAATTCGGCGGAAACAGCCGCCCAGTTGTCGTGCAGCCCGATATGT TGGCGCAAAAGCTCGTCCACGCTTTCTTGGGCTTGCGGCGCATATTGCAGCAGCAGCGGG AAGAAGTTTTCTTCTTCGTCTTCATGGTGCAGCGCGCGGCAACGTTGAAATACTGGGCG ATTTGGCGGATGGTTTGCAAAACAATCTGATTGCAGCCGTTTTCGGCGATATAGTCCGAC

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AGAAGGACAAGTCAGCGGCCAAACCACACCGAGTAAGGACAGCGATGCCCGTTGGATCAA GAAAAACGGCCTCTACAAACTCGGTTACAAACAACATACCCGTACCGATGCGGAAGGCTA TATCGAGAAACTGCACATTACCCCCGCCAATGCCCATGAGTGCAAACACCTGTCGCCGTT GTTGGAAGGGTTACCCGAAGGTACGACCGTCTATGCCGACAAAGGCTATGACAGTGCGGA AAACCGGCAACATCTGGAAGAACATCAGTTGCAGGACGGCATTATGCGCAAAGCCTGCCG CAACCGCCGCTGTCGGAAGTGCAAACCAAGCGTAACCGATATTTATCGAAGACCCGTTA TGTGGTCGAACAAAGCTTCGGTACGCTGCACCGTAAATTCCGCTACGCCCGGGCAGCCTA TTTCGGACTGATTAAAGTGAGTGTGCAAAGCCATCTGAAGGCGATGTGTTTGAACCTGTT GAAAGCCGCCAACAGGCTAAGTGCGCCTGTTGCCGCCTAAAAGGCAGCACGGATGCCTGA TTATCGGGTATCCGGGGGGGATTAAGGGGGCGTTTGGGTAGAATTAGGAGATATTTGGGG AAGGTCTCATCCTGTTATTTTCACAAAAACAGAAAACCAAAAAACAGCAACCTGAAATTCG TCATTCCCACGAAAGTGGGAATCCAGTGCGTTGAGTTTCAGCTATTTAGAATAAATTTTG **AAACTCTAATCGCGTCATTCCCACGAAAGTGGGAATCCAGGACGCAAAATCTCAAGAAAC** CGTTTTACCCGATAAGTTTCCGCACCGACAACTCTAGATTCTCGCCTGCGCGGGAATGAC GAATCCATCCATACGGAAACCTGCATCCCGTCATTCCCACGAACCTGCATCCCGTCATTC CCACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTCCCGATAAATTGCCTTAGCA TTGAATGTCTAGATTCCCGCCTGCGCGGGAATGACGGGATTTGAGATTGCGGCATTTATC AGGAGCAACAGAAGCCGCTCTGCCGTCATTCCCACGAAAGTGGGAATCCAGTTTTTTGAG TTTCAGTCATTCCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCGCCTGCGCGGG **AATGACGAATCCATCCGTAACGGAAACCTGCACCACGTCATTCCCACGAACCTACATTCCG** TCATTCCCACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTCCCGATAAATTGCC CCTGCATCCCGTCATTCCCACGAACCTACATTCCGTCATTCCCACGAAAGTGGGAATCCA GTTTTTTGAGTTTCAGTCATTTCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCG CCTGCGCGGGAATGACGAATCCATCCGTACGAAAACCTGCACCACGTCATTCCCACGAAA GTGGGAATCCAGTTGCTTGAGTTTCAGTCATTTCCGATAAATTGCCTTAGCATTGAATGT CTAGATTCCCGCCTGCGCGGGAATGACGAATTCATCCGTACGGAAACCTGCACCACGTCA TTCCCACGAACCTACATTCCGTCATTCCCACGAAAGTGGGAATCCAGTGCGTTGAGTTTC AGTCATTTCCAATAAATTGCCTTAGTATTGAATGTCTGGATTCCCGCCTGCGCGGGAATG ACGAATTCATCCGTACGGAAACCTGCATCCCGTCATTCCCACGAAAGTGGGAATCCAGTT TTTTGAGTTTCAGTCATTCCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCGCCT CAGTTGGCGGTTTAGTCCGACTTTTGGGGTGCAGATCAAGCTTTCAGACGGTATTTCCTT TAAAACTTCATTTCGAGCGCGAGACTGAAGTTCCTGCCCGGTGCGGCATACCTTCCATAG TTGCTGTCGCCGCCGTGCCGGTTTGCCGTGCTTTCCGCAGTCTGGCGCAAGGATTCCCAA GTAACGTAGCGGTAGTTGCCGATATTGTAGATAGCCGCCCTCAAGGTCAGCCGTTTTTTC AGATTCAGATAGGCGGAAACGTCTGCCGTCGACCAAGAAGACGACGCTCTTTTTGTCGAA TATCGTTTTTGATCGCCTGCCAGATAAGCAAGCTCGTCAGGGTTTTTCCCTTTGGAATAG GTCAGCATAATGTTTGCGCCCCATTTCCCCTCAGGCTGGTCGTATCCGAACCCCAAAACA GATACCGATTTCGGTTTGATGCGGTTGTACGCCAATGTGGTGTACAAACCTTCGGGCAGT TTGCCATACACGCCGTTCCAGTCGATTTTTCCCAATATATTAACGCCTTGAAGCGACATA **AATTTGGTTTTGTGATCGGCAACGGCAATCATATCGGTATAACGGTTGCGGAAGCTGCTG** ATTTCCAAAAAGCCGAAATCGCCCTTCCACTGCAAACCGATTTCCCGGTTGGCTGTT TCCGATTTCAGGGCGGGACGCTGCCAGCCTTTCGGATAATCGTGATAAATGTCTATCCCG AAAAGTTCTTGGAATGAGGGCGTTCTGAAGCCGCTGGAGGCACGGTAAGACACGGAAAAA CGGACGAGTTCTTCCGACGTGGTGAAGTTTTTCCGGTCGTACCTGCCGCCCAAGCTGAAA TCGAAATATTTGCCGATTGAAAAACGGTCGTTCAAAGAAATATGGATATTGCTGCCGTTG TCGACGACTTCGGGCTTACCCAAAAGATACTTATCTTGATTGTTTTCATCGAATCCCGTG GATTCCGAAATCCTTGCCGCATTGTGGGAAAGCTGTTCGGGGCGGGAAATCGCTTTGGAA GCATCGTAACCGAAGCCCAAAGTCAGATGGTGTTTCGTCCATTTGTTTTTCAGCGATTTC TCAAACGAGGCATTCAAAACATTGTGCTGTTCGCGGTAGTGGAAACGGTCGCTGCTGTCG TAGGAATACGGTTTGTCCGCCGACGCGCGGCAGGATTTGTCCACAGCAGGATACACGGCG CAATTCAGCTTCAGCGTGTTGTTATCGGTTGCCACGCCCTGTTTGTCAAACGACAACACC GCCTTATCCGCCCAATTGTCAGAATACGCTTCGTTTTCATAACGATACAGCAAACCCATA CGGCGGCGGCGTGATGTTCGTCAATAAATTTGGTGCGGGAATATTTCAAACCTATGCCC CTGACCAAATTTTTATCGCCCTTCCACTCTTCTATATTCGGCACAAAATACAAGCCGTCG CGGAAATCGTCGCCGTCGTACACCCCGCTCTTGTCTCTAAACTTTTCCGCCTCGTCCGTA CCGTAATACTGTTTTTCCGTCATATCGCGGATATCGTAACGCTGTTTGGTATCCTCAAAC ACGCCGCCGACATAATGCCTGCCGCCGAAGCGGTAGCCCAGCTTGGCAAGCCAAGAGCCG CTGCGGTAATCCATCGGATCGGGCAATATCCTGCCGCCGCCGTGTAAGCTTGGGCGGAC AGATTTTCGTGGCGCCTGCGCCTCCCGCACCTGCGCCTCTTCTTCAGCACTTAAAGGC TGATTTGTTCAATACGTTCTTTTACCCAGCGGTTGAGCTGGTTGTTCAAATATTTCCCG TAGCCCGCCAATTTTGCCACGGGCTTGGATTCACGCTCGCCCTCTACTGAGAAAAATGGC TCTCTTGTCTTGCGTTTAATATCGTATGTCTGACGGAACGCGTCCAAACGGTCTATGCCG TATTCCACCCGTCCGCAATATCGCCGTGCGGCGCGTTTCCCGCCCTTGGCGTTCGGTT CGGATTAACAGCCCTTCCCAACCGTCTTTGCTGAACCCCGCGCCGAGCGACTTCATAAAT TGGCGGTTTTTACTGCCGTAGGCGGTTTTTGCCTGTATCCCCCAACTTTTGCCGTCTGAA ATCAGGTCTGCCGCCTCTTTGGTGCGGAAGGCGACCGCGCCGCCGAGTGCGCCGCTGCCG TGATCGGAGGAACCGGCACCTTTGTCGATTTCCACCGTGCTGATGTTTTCATATTCGATT TCGTTGATTGCACCGCTGCCGCCGTCCGCCGTATCCGCTCAACGATCCCTGCACGGTA

AACGCCTGTATTTGGGCAACACCGTCGACCGAAACCGCCACACGGTTTTTATCCACGCCG CGTATCGAGTAGCCGCCGCTCGCGCCGTTGCCCTGTTCGACAACCGCCACGCCCGGATCG TAGCGCGTCAGGTCGCGGATACCGAGTACCTGTTCTTTGTTCAACGTTTCCGACGTTTTG ACGATTTTGCCCAAACCGGTCGCCTCTTTCGATCGCCGTCCCACTTTGGCGGCACGGACG GCATAAGCCGGAAAAGCGGTTGCAATGGCCAAGGCAGTCAGAGTCAGCGGAAAACCGTGT TTCTTATTCATTTTTCCACCTCCTGCATATCTTTCTTCGCACCGAATACCACGCCGAATT GGTGTTTAACTTCAGATTCTAACTGTTTGCCAACATCAACTTCAGCATCAACTTCAGCTT CAACATCAACTTTATTTCAGTACCTTCAGTTATACCAAGAGATTTCCCATCATTATTGA AAATAATACCGCCCAATTCCTCCGCCTGCGGGCCGTAAAATCCCCCTTCTACACGAAGAT TACTAGCTTGGAAGGTTTTGGGGTCGGTCGAACCATTTCCCGAAAGATTGATGCCGTTCT CCCGAGTGCGTGCCGTAGAAACCGTTGCCCTCAATCTTGCCGTTTTCAATATGGA AAGCAGGTTCTACACCGTTTTCCTCCGTCAGCGTTCCGGAAATCGATTTCTTGCCGAAAT CAACGGTAAATACTGCTTTTTGCCGCTTCTTTATCCGCCTGATTGTCCCATTGAATGGGTT TGCCGATACGCGCTTCCCAAGTGCCGGTATAGTGTGCTTCTCCAGTTTTCGGAATATCCG TTTCCGCCGTGCGGATACCTTTCAGGAAAAGGTCGATGTTCCTGCCTTTAGGGGCTTCCG GAGCGGCAGGATGCCGTCTGAACCGCTGCCGCCTTCTTCTGTCGGCGATTCTTCTTCGG GTTCTTCAGCTTCATCTTCACCTTCTACGGCTTCGTCTTCTTCGCTGCCTTCGTCTTTTA CGGCTGCGTCTTCGGTGCCTTCTTCATCGTCGATTTCGTCTTTCGCCTTCTTCGACGCTAT **GTTCGGTTTGCATCCGTCCGATTTTCACATAGGTCAGAAAATCGCAGCAGGTTCGGATTG** TCGTTTTCCTACCATCGGCAAGCTCGATGGTTTGTTCTTTGTTTACCAAAGGAATTTCAC GCCCTTCGACAAGAAGTTTGTCGGGATGACCAAAATCGGGCATAGAGGAAATGGCAAACT CACGGGGATTTTTATCACTTGCCTCGTCAACGGAAATTTTCAGAGAATCCAAGATTTTGG TGTGTTTTCCAGACGACAGGGCAGGTTTTGTATCTGCTGCGTTTTCTGTCTCTGTTTTTT GTTTGCCTGCGAATACGCCGAATACGCTGTTGTCGTTGCTGATAAACCGTCCGGCAAGCT CTTCTCCGTTATCGCCGAAAAAACCGCCCTCAAGCCGCTGATCGGCATCGGTATGGAAAA ACAAATATTCTTTATCAGCGTGTTGCGTCTTCACCTCGGTGCTAACTTTGGCACTGCCGG TAAAGCGGTTGCCGTCCAATGTTGCGGTAATGTCGTAAATGGTCAGCGGTTTTTTGGGCT CATTTGGATTACTTTTATTTTGCACATACTGATTTTTAATCAGCTTGCCATTCAGGGTTT TGTTATCAAAATCAACCGTATATTCGGCAGGATGCTTTTCCCTGTCGTCGGCATCCCTAG CCTCATAAGAAGTTGCCCCAATTTCATTACCATAATATGTGGTATAACCCAAATCCGTAC TGGAAACCGCCTTACCTGTCCGATGACGTTTGGCATCGGTCATATATTGCCAGTTACCGG **AATATTGCACCGTTCCCGCGCTCGGTAAAGATTGGGAAGGACGTTCTCCGGAATAATATA** CAAAACCGTCATAACTAAATCGGTTAACAAACTCCTTACCATCAGAAGTCTTTTCTTTTT CATTATCCTTCCCTCCCCCTGGTAAACACATAGCCCGCACGGACAAATTGATATTGAT TCTTTTTAAGTTTGTCAGCCTGTTCTTTCAGCGTACCGTCTAAAAACAGGATATCCTTCT CTTTAAGCGGCAGATGCTCCTCTGCCTGATGCTTGTCGGGAATTTCCGTACCGTCTTGTT TATAGGAAGCAATATTCCGCCTTGGCAGCCGCATTGCCGCACCGACGGCGGGCCGGTTGA CCGCCTGGTTTCTACCGAAGACCCGGCAGGGGGGGGGGTGGGAACGTCCTTAGATTTGA AGGTGACGGGGTACGCGGTCGGCGTTGATTCGACAACAGGCTGCACGCCGAAATTGCCGC CGATACAAGATGCTAAAAGTAAGGGCAACAAGACAATGCCGCCATAATTCGGTTTACACA TCCCTACTTTTCCTCTATTTGATTAATAATAATTATCATTATATTAATATGTACAGATAA TATCAAGCCGTTTTTATAGTGAATTAACAAAAATCAGGACAAGGCGACGAGCCGCAGACA GTACAGATACATTCCGTCATTCCCACGAACCTACATCCCGTCATTCCCACGAACCTGCAC CACGTCATTCCCACGAAAGTGGGAATCCAGTTCGTTCGGTTTCGCTTGTTTTAAGTTTCG GGTAACTTCTACTTCGTCATTCCCACGAACCTGCATCCCGTCATTCCCACGAAAGTGGGA ATCCAGGACGCAAAATCTCAAGAAACCGTTTTACCTGATAAGTTTCCGCACTGACAGACC TAGATTCCCGCCTGCGCGGGAATGACGGGATTTGAGATTGCGGCATTTATCGGGAGCAAC TTTTAAGTTTCGGGTAACTTCCACTTCGTCATTCCCACGAAAGTGGGAATCCAGTTTTTT GAGTTTCAGTCATTTCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCGCCTGCGC GGGAATGACGGATTTTAGGTTGGGGGCATTTATTGGGAAAAGCAGAAACCGCTCCGCCGT CATTCCCACGAAAGTGGGAATCCAGTTCGTTCGGTTTCGCTTGTTTTAAGTTTCGGGTAA CTTCCACTTCGTCATTCCCGCGAACCTACATTCCGTCATTCCCACGAAAGTGGGAATCCA GTTCGTTCGGTTTCGCTTGTTTTAAGTTTCGGGTAACTTCCACTTCGTCATTCCCACGAA CCTGCATCCCGTCATTCCCACTAAAGTGGGAATCCAGGACGCAAAATCTCAAGAAACCGT TTTACCTGATAAGTTTCCGCACTGACAGACCTAGATTCCCGCCTTATATGATGCGCTCTA TCAAAGGGGCGCATTAATTTTCTTAACATTCCCCTTTGACAGCCAAGTGAAAGGGGCTTT TTTATGTCAGCAGTAAATGTAATATTTTCCTGTTCTTATTGGAGAATATTTAAAAAATCA GATTCTTGTGTTTTTTTTTTTATCAGTTCAGACATGGCGAACCGCATAAACTCATTAAT TTTCCAGTGATTATCACAACGGATGGTTGTGGTCTTTTTTTGTTGATCTTTAAAAGTTTGT CAGGATTTGGCTTTCGGTCGTTGACCGTCGTACGCGCTTTTAGCGCGGAAGACGGGAAACG GCTGAAAGCCCCCCCTTGACTAACAGGGGGGGGGGGGAAATTAAAAACCAATTCCAAGAG **GCTTTTAGAAATTCCGCAGCGAAGAGGTAAGCAAGACGGGGTTTTTGTTGATTGGATTTC** ATTCACATTCCATGAAGATACTTTACTGAAAGTTTCCGGTTGCCCTTTATTTTCTGATGC TGAATACATGTATGTATTAAGCAGAAAGCTGGAAGAAATTCTAGGTTTTGGCATAACGCG CAAATGCAAATCAAGGGGCAACAAATTCTATGAATCCATGTATAGGTTAGGTTCGGATGA TGTTGATTATGGAGAGGTGCATTTCGGAGGTCAGCGCAATACTGTTTTAGTTGAGTTGAA aggtactggttgcagcgttgcaagtccgggttgggagttgaggctaaagcagtttctcga TGATTCGATAAGGACAAGAATAACGCGAATTGACCTAGCACTTGATTTTTTTGATGGAGA GTACACGCCGGATCAGGCGTTGTTAGATCACGATAATGGTTTTTTTGATAACAGCAATCA

AAGGCCGAAATCTGAAACGATCGGTACGGCTTGGCGGAATGAGGACGGGAGCGGCAAGAC GCTTGGAGATAAAGAAAGCAAATGGGTAAGGTTCGAGATCCAGTTTAATTATGGAGATAT AGAAATACCCTTGGATATTTTAATAAATCAGGGTTCGTATTTCTGTGGAGCTTTTCCAAT TAATTTAACTTTCGAGCATAAATTGCATTACGCGAAAAACGCGGTTGGAAAACTGGTCAA TTTCATGATTGAAATGGGTTTTGATAATAGCGAAATTGTGGAATCTTTAAAGGCAGATTC GGGATTTCCCAAAGGATTAGAACCTGAAAAATATGCTCTGGAAATGTTAAGGGACGGTTT GAAACACGGTTTTATTCATGAACAGCCGGATATTGATTTGGAAATTGAACTTGATGAATT GGGGGTTATTGCTTTTAAAAATTCTGACAAATTCGATAGGGAAAAAAGGCTTTTTAGTCC TGATTATGATGTCGAGAAAGAAAGGAAATATCAGGAATATTTAAGTAAAGTTTATCATCA AAATGTAGATTATGATTATTTTAAAGGAAATCAAAATGTTTAATCAAACTCAAACTGTA ACTTATCCTGCAACTTTTTTGGGAGCCAAAAAATTCAAAGGCGAAATTGATGGCTCTAAT ATCGACACTTGTTCCGTATTGGTTGCAACACCTTTGCCGGCACAGTCGGGAAATGCTGTT GGATTCACGGCAGCACAAATGAAGTTCGGGGACAGTAAGAATTTCTCAAAATTAGAGAAT CTCAAATACCCGTGCGAAGTTATGGTAACGGTTGAAATGACTTCGACAGGTAAGGGCATG GTTCCTTCATTAATTGATTTTCAGGTGGCAGAAAAGCCGAAAGGTTGATTTATGAAATTT GGTGATGTGGGGTTTACTCAAAATATTAAATCAGCAGGTCAATTTGAAAGCTACGAAGAT GCGTTGAATTCAGGCATAAATGAAATAGGCGGAGGATTCCAGATATTTCAGTTCTTCGTA AAATCGGAATAAAAGAAAAACAGGCTCGGCGGGCGGTCTGTCAACCTTTCACAAAGCCCG CAACAAAGGAAAAATATCATGAAAATGAACCTTGCAACACTAATTATCGGCTGGGTGGTC TGTATGTTTCTTTTCTTTTCGCAATCCTCTATTTTATCGGCTAAAAACGAGATTCGGAA AAGACTTCGTCCGGATGAAGCAAGTCAAGAAGTCGTCTTATTTTAAATATCAAAAAAGGA AAAAAACGATGAACATCGTTAAAAAATACGCTGTAAAAGCAGCCTTGGCAGCCGGTATCT CGAATGTAATCATGGGTTTCGTGTCAATGGTTTCCGCCGTGGGTATGGCGGCCATTACCG TGATTCTTGCAATCCAAGGCTTCAAAATGGCTTGGAGCATGATTAAATCTGTCAAATAAA CAGAGTGAAGAAAAGGGGCGTATAAATGGGCTATCGTGTCGGCATAAATTGTTTTGATA CAAGATTGCAGGCAGACGACTATTTATTGTCGTCCCTTCCTCCTACTGTTACCCAGGACG GAAAAATCATCAGGCCGGAAAGGGTGGGCGATAAATGGATTTTGAACGGAAAGCCGGTTA CGTTGTCTTATCCGGAATGTTCCAATTTTGAGCAGATAAAGCAAGGTTCTTATGTCGGTT CGACGGTTCTAATTCTGTTTGTAGTCATTTACGGTTTCAGGCTTCTGATTAATTTTTTAA AAGACATAGGCAAGGTTGGGACTGATTGATGATTATAGATTTCTGGTTTCTCTCGGTTT CTTCTTGGCTTTGTCTGTTGCTTGGCTGTTTTGGTAACGGTTGGTAGAATCGGCTTTTTA GAGTGTTTTAAAAGGTCCGAATTATGTTTATTTCTGAATATCATTTAGTTAAATTTCAAA CTGATTCACATATTTATAGAGATTTACCACAAGCGTTAATTTATTATAGGGAATTGATTA ATGAAGCAAAATGTTATGTTTATTATCCTAGGGCGAAATTTTTTAAAGATTATCCTATGC TTTAGTTTTTTTGTATCTAAATTTGCATTGGCATCAGTAAATGCTCCGGGTAAATTTGAT AGGGTTGAAGTTTATGATGATGGCAGATATTTAGGTATTCGAGGTTCAGATGACAAAAGA AGAAGAATTTGGAAAGGTGTATTTGATAGAGAATCGGGAAGATATTTAACTTCAGAAGCT GTTGTATCTTCATCAGTTTCCCGCGCTGGCGTATTGGCGGGGGTCGGCAAACTTGCCCGC TTAGGCGCGAAATTAAGCACAAGGGCAGTTCCTTATGTCGGAACAGCCCTTTTAGCCCAT GACGTATACGAAACTTTCAAAGAAGACATACAGGCACAAGGCTACCAATACGACCCCGAA **ACCGACAAATTTGTAAAAGGCTACGAATATAGTAATTGCCTTTGGTACGAAGACAAAAGA** CGTATTAATAGAACCTATGGCTGCTACGGCGTTGACAGTTCGATTATGCGCCTTATGTCC GATGACAGCAGATTCCCCGAAGTCAAAGAATTGATGGAAAGCCAAATGTATAGGCTGGCA CGTCCGTTTTGGAATTGGCATAAAGAAGAACTGAATAAATTAAGTTCTTTGGATTGGAAT AATTTTGTTTTAAATAGTTGCACATTTGATTGGAACGGCGGAGATTGTGTGGTCAATAAA **GGTGATGATTTCAGAAATGGGGCTGATTTTTCCCTTATTCGCAATTCAAAATACAAAGAA** GAAATGGATGCCAAAAAGCTGGAAGAGATTTTATCGTTGAAAGTCGATGCCAATCCCGAC AAATACATAAAGGCAACCGGTTATCCCGGTTATTCCGAAAAAGTAGAAGTCGCACCCGGA ACAAAAGTGAATATGGGTCCCGTCACGGACAGGAACGGGAATCCCGTTCAGGTTGTCGCA ACATTCGGCAGGGATTCGCAAGGCAACACCACGGTGGATGTTCAAGTAATCCCGCGTCCC GACTTGACCCCGGAAGCGCGGAAGCACCGAACGCACGCCGCTGCCCGAAGTATCGCCC GCCGAAAACCCCGCAAACAACCCGAACCCCAATGAGAACCCCGGCACGAGCCCCAATCCC AGACCCGATTCCCCCGCCGTTCCGGGACGCACAAACGGCAGGGACGGCAAAGACGGAAAG GACGGCAAAGATGGCGGCCTTTTGTGCAAATTCTTCCCCGACATTCTCGCTTGCGACAGG CTGCCCGAGTCCAATCCGGCAGAAGATTTAAATCTGCCGTCTGAAACCGTCAATGTAGAG TTTCAGAAATCAGGAATCTTTCAAGATTCCGCACAGTGTCCCGCACCTGTCACTTTCACA GTGACTGTGCTTGATTCAAGCAGGCAGTTCGCGTTCAGCTTTGAGAACGCATGTACCATA GCCGAACGGCTAAGGTACATGCTTCTCGCCCTTGCTTGGGCGGTTGCCGCCTTTTTTTGT ATCCGCACAGTATCTCGTGAAGTCTAGCAGGCGCAGCACCGCCGGGCTTCAGTAACTTGT ACCAAGGCAGGGGGGGGCTCCAGAAAGATTTGTAAAGACGGCTTTATCGTCTTTATAA ATCTTTTTGGATACCCCTTGCCGCCCGCCAAAAGAACACATTCTGCCGCAAGGGCAGGT GGTAAGGCGCGCCTTTTGCGCCGTTCCCCCTGCCCCGCGCGTCGCAAGTGAGACTG GGGGTGCGGGGGCTAGTCCCCGCAAAGCCTTTCAGCTTCGGAAGCCACGGCCGAAAGGCA TAGGCGGAAGCCAGGCTACAGGCAGGCGAAGCACCGCCGGTTGGGCGGAAGCCACGGCCG TACCGCCGGTCTGGGCGGAAGCCATGGTAAAAGGCAGGCGAAGCACCGCCGGGCTTCAGT

AACCTTTGTTCAGGCAGGGGGGGGGTTTTTTCG AGGGCAGGTGGT AAGGCGCGCCCTTTTGCGCCGTCCCCATGCCCCCGCGGCGTCGCAAG TGAGACTAGGGGGTGTGGGGGACTAGTCCCCCGCAAAGCGTTCAGCTTCGGAAACTTTGG CCGAAAGGCAGCGAAGCAGCGCACTTTGCGACGAATGTCGCAAATAGCCGAGAAGCGCG GGGGGATTGGCGATAAGCGCGAGGGGGGGTGTCCCCACAGCGCCGCCGCCGCCGCGAATGCG GCGCAAAATCTTTCAGATTAAGAAACATTTGTTTAATGAGGCAACCGTGCCTTTTAAGAA AGGGATAGCAAATGAAATTGTTGGCCGCATTGATTCCGCTTTTGATGAGCGTGGCAGGCC GTATATTGACTGCATTAGGCTTGATGGCGGTAACCTATTCAGGGGTGGATAGATTGGTAG CCCATTTCAGCAGGCGATAACCAATAGCATAACGGGCGCGCCTCAAGCGATGTTGCAGC TTTTTTATATAAGCGGCGGTGGAACCGTTCTTAATATCCTGTTTGGCGCGATCGCCTTTA CAGAGATCTGTTTGATAACCGGCACGCCCGGTTCAGGGAAAACATTAAAAATGGTTTCCA TGATGGCGAATGATGAAATGTTTAAGCCTGATGAAAACGGCATACGCCGTAAAGTATTTA CGAACATAAAAGGCTTGAAAATACCGCACACCTACATAGAAACGGACGCAAAAAAGCTGC CGAAATCGACAGATGAGCAGCTTTCGGCGCATGATATGTACGAATGGATAAAGAAGCCCG AAAATATCGGGTCTATTGTCATTGTAGATGAAGCTCAAGACGTATGGCCGGCACGCTCGG CAGGTTCAAAAATCCCTGAAAATGTCCAATGGCTGAATACGCACAGACATCAGGGCATTG ATATATTTGTTTTGACTCAAGGTCCTAAGCTTCTAGATCAAAATCTTAGAACGCTTGTAC GGAAACATTACCACATCGCTTCAAACAAGATGGGTATGCGTACGCTTTTAGAATGGAAAA TATGCGCGGACGATCCCGTAAAAATGGCATCAAGCGCATTCTCCAGTATCTATACACTGG ATAAAAAAGTTTATGACTTGTACGAATCAGCGGAAGTTCATACCGTAAATAAGGTCAAGC GGTCAAAGTGGTTTTACACTCTGCCAGTAATAGTATTGCTGATTCCCGTGTTTTGTCGGCC TGTCCTATAAAATGTTGAGCAGTTACGGAAAAAAACAGGAAGAACCCGCAGCACAAGAAT CGGCGGCAACAGAACAGCAGGCAGTACTTCCGGATAAAACAGAAGGCGAGCCGGTAAATA CGATTTATAACGGTGTAAGGCAGGTAAGAACCTTTGAATATATAGCAGGCTGTATAGAAG GCGGAAGAACCGGATGCGCCTGCTATTCGCATCAAGGGACGGCATTGAAAGAAGTGACGG AGTTGATGTGCAAGGACTATGTAAAAAACGGCTTGCCGTTTAACCCATACAAAGAAGAAA GCCAAGGGCAGGAAGTTCAGCAAAGCGCGCAGCAACATTCGGACAGGGCGCAAGTTGCCA CATTGGGCGGAAAACCGTAGCAGAACCTAATGTACGATAATTGGGAAGAACGCGGGAAAC CGTTTGAAGGAATCGGCGGGGGGGGTGGTCGGATCGGCAAACTGAAGAAAACGGCAAGAGA GAAAAAGACCCGTAAACCGTTTGAATATAGACGGTTTTACGGGTCTTTGTTTCGCGCAAA GCAAGGGCTAAGGCAGTCAGGCAGCAAATCCCGCAATGTATTAAAACAGACGCGTAGAAA TGCCGGCTGCCTTTATCCATCCTCGAAATTGAATATCATCCTAGCCGTATCAAGGCTGTA TAAATAAGGAAAATACCAATGAATATAATCGGGCTGGACATCTCAAAGGACACCATAGAC GCAACATTGCATAAAACAAACGGAAGTATCCATTACATTAAATTTAAGAATAATGATGAT GGATTAAAACAGTTTAGATTGTGGATAAAGGGAAACAGAATCAGAAAAGTCTATATCGGC ATGGAGGCAACAGGCATCTATTACGAAAAGGCAGCAGATATGCTTTCTTCCTACTATACT GTTTACGTTATTAATCCCTTAAAAATCAAGGACTACGGAAAAAGCAGGTTTAACCGTACC AAAACCGACAAAGCAGATTCAAACCTGATAGCAGACTACATAAAAAGGCATCAAGATACA TTGATACCGTATCAGATACCCAAAAACAAAGCACTGCAAAAACTGATTAACCTTAAAAAT CAATTACATCAACATCAGAAGCAAATTAAAAACCGTCTTCATAGCACTGAAGAAGACTTC ATAAGGAACATACATCAAGACTTGATAGATACCATACAGGACAAGATGGAACAGGTAAAA ATAGCCATATCCGAACAAATCAAAAAAAAAACGGACAATAACCATTACCGCAATCTTCAA ACCATCCCGAGCATAGGCAAAGACACCGCATCAGTTCTTTATGCGCAACTGACAGAAAAA CATTTTAAAACCGCAAACCAGTTTGTATCCTATGCCGGATTAAATCCCGCCATCATACAA TCAGGGACAAGCGTAAGAGGTCGGGGCAGATTGAGCCGATACGGAAACAGACGATTAAAA AGTACGCTGTATATGCCCGCCCTTTGTGCTTACCGTTTTAACGCATTTCCGAAATTAATA AATAATCTGAAAAAAGCGGGTAAGCCAAAGATGGTAATCATCGTTGCCATCATGCGCAAA CTGGCGAAGCTCGCCTATTACATTGTTAAAACCGGCCAGCCTTACGATGCGGAAAGACAC CGATTGAATCAATAAAATTCAACAAAATTAAACGGTTACGCGAATATATTTGTGTAACCG TGCATTTGCATATCGTAAATAAACGTAAATAAAAATAACAATATAAATCAGTATATTGCA ACTTTGTTTTTTTTTTTTGTGTTGACGGGCAACATATCATCTGCGCGGGAATGACGGGATT TGAGATTGCGGCATTTATCGGGAGCAACAGAAGCCGCTCCGCCGTCATTCCCACGAAAGT GGGAATCTAGTTCGTTCGGTTTCGCTTGTTTTAAGTTTCGGGTAACTTCCACTTCGTCAT TCCCACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTCCCGATAAATTGTCTTAG CATCCCGTCATTCCCACGAACCTACATTCCGTCATTCCCACGAAAGTGGGAATCCAGTTT TTTGAGTTTCAGTCATTCCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCGCCTG CGCGGGAATGACGGGATTTTAAGTTGGGGTCATTTATTGGAAAAAGCAGAAACCGCTCCG CCGTCATTCCCACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTTCCGATAAATT AAACCTGCACCACGTCATTCCCACGAACCTGCATCCCGTCATTCCCACGAAAGCGGGAAT CCAGTTCGTTTCGCTTGTTTTAAGTTTCGGGTAACTTCTACTTCGTCATTCCCGC GCAGGCGGGAATCCAGTGCGTTGAGTTTCAGCTATTTAGAATAAATTTTGAAACTCTAAT CGCGTCATTCCCACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTTCCGATAAAT TTTAAGTTTCGGGTAACTTCCACTTCGTCATTCCCACGAAAGTGGGAATCCAGTTTTTTG AGTTTCAGTCATTCCCGATAAATTGTCTTAGCATTGAATGTCTAGATTCCCGCCTGCGCG GGAATGACGAATCCATCCATACGGAAACCTGCATCCCGTCATTCCCACGAAAGTGGGAAT CCAGCTTTTTGAGTTTCAGTCATTTCCGATAAATTGCCTTAGCATTGAATGTCTAGATTC CCGCCTGCGCGGAATGACGGATTTTAGGTTGGGGGCATTTATTGGGAAAAGCAGAAACC GCTCCGCCGTCATTCCCACGAAAGTGGGAATCCAGTTCGTTTCGGTTTCGCTTGTTTTAAG

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TTTCGGGTAACTTCCACTTCGTCATTCCCGCGCAGGCGGGAATCCAGTGCGTTGAGTTTC **AGCTATTTAGAATAAATTTTGAAACTCTAATCGCGTCATTCCCACGAAAGTGGGAATCCA** GCTTTTTGAGTTTCAGTCATTCCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCG CCTGCGCGGGAATGACGAATCCATCCATACGGAAACCTGCACCACGTCATTCCCACGAAC GTTTCGGGTAACTTCCACTTCGTCATTCCCGCGCAGGCGGGAATCCAGTTTCTTGAGTTT CAGTCATTTCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCGCCTGCGCGGGAAT CCAGTGCGTTGAGTTTCAGCTATTTAGAATAAATTTTGAAACTCTAATCGCGTCATTCCC ACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTCCCGATAAATTGCCTTAGCATT GAATGTCTAGATTCCCGCCTGCGCGGGAATGACGGCGGAGCGGTTTCTGTTTTTCCGGT AAATACCCACAAGCTAAAATCCCGTTATTTTCACAAAAACAGAAAACCAAAAAACAGAAAAC CTGAAATTCGTCATTCCCACGAACCTACATCCCGTCATTCCCACGAAAGTGGGAATCCAG TTTTTTGAGTTTCAGTCATTTCCGATAAATTGCCTCAGCATTGAATGTCTGGATTCCCGC $\tt CTGCGCGGGAATGACGGCGGAGCGGTTTCTATTTTTCCGGTAAATACCCACAAGCTAAA$ ATCCTGTTATTTTCACAAAAACAGAAAACCAAAAACAGAAACCTGAAATTCGTCATTCCC GCGCAGGCGGGAATCTGGTTCGTTTCGCTTTCTTTTAAGTTTCGGGTAACTTCCAC TTCGTCATTCCCGCGCAGGCGGGAATCCAGTGCGTTGAGTTTCAGCTATTTAGAATAAAT TTTGAAACTCTAATCCCGTCATTCCCACGAAAGTGGGAATCCAGTTTTTTGAGTTTCAGT CATTCCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCGCCTGCGCGGGAATGACG GCTGCAGATGCCCGACTGTCTTTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAG CCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAAT CGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATACTG TAATCAGGGATGCTCAGTTCGTCGAAACGGCAAAACAGGTTGAAGTCGATGCGGGTGATG AGGCTGTGTTCGAGTTCGGGATCGGAGAGGCTGTGCCATTGTCCGAGCAGGACGGCTTTG AACATGGACAGCAGGGGATAGGCAGGACGGCCGCGGTGGTCTCTAAGGTAACGGGTTTTT GGGAAGCGGTCGATGTTTTGGCAATCATGGCTTGGGCGGTTTGCTGGAAGAAGGTGCTC ATGAGAAATCTCCTAAATGTCTTGGTGGGAATTTAGGGGGATTTTGGGGAATTTTGCAAAG GTCTCAACTTGAGTTTCACGCCCCGCTTAACAATATTCAGTTGGTAAATATTAGATAAAA CCATAAAAATTAAATTGATGGCTTTTATAATCCCCGATTTGCGAAAATGCCGTCTGAAAG TCTTCATTCAGGCTTTCAGACGCATTTTGATCATCAAGTAACGCTTTATCAGGCTTTTTT TATTGTTCAACGCAGCTTTGACAAACGCGGTGAACAAAGGATGCCCTTTGCGCGGATTGG AGGTAAACTCGGGGTGGAACTGGCAGGCGAAGAACCAAGGATGGTTCGGCAGTTCGATGG GTGTAGGAACGTAGTTGTTGACTTCGTAGCGGTGGCGGTGGCGTTCGCGGATATGTC CGCTGCCGTAGATTTTGGCGGCGAGGCTGCCTGCTTTCAATTCGACTTCTTGCGCGCCCCA AACGCATCGTGCCGCCCAAATCGGTGGATTCGTCGCGGGTTTCGACGCTGCCGTCGGCAG TTTGCCATTCGTCAATCAGGGCAACGACTGGCGCGCGCATTTGAGGTCGAACTCGGTGG AATTCGCGCCTTTCAAGCCTGCCACGTCGCGGGCGTATTCGATCAGCGCAATCTGCATAC CGAGGCAGATGCCCAAGTATGGCACGTTGTTTTCGCGGGCGTAGCGCACGGCGGCGATTT TGCCTTCCACACCGCGCGAACCGAAACCGCCGGGAACGAGGATGGCGTCCATGTCTTTAA GCATGGAAACGTCGCCCTTGTTTTTCTCGATGTTTTCGCTGTCGACAAAGGTAATCTGCA CGTCGGTTTCGGTGTGAATGCCTGCGTGTTTCAAGGCTTCGATCAGCGATTTGTAGGACT CGGTCAAATCGACGTATTTGCCGACCATGGCGATTTTGACGGTGTGTTTCGGGTTTTTGGA TGGCGTGGACGATTTTTTCCACGCGGTCAAATCCGCCTGCTGCACATTAAGCTGCAACT GCTCGGTAATGATGTTGTCGATGCCTTGGTCGTGCAGCATTTCGGGGCATTCGTAGATGC TGTCCACATCGTAGCTGCCGACAATCGCGCGTTCTTCCACGTTGCAGAACAAGGCGATTT TGCGGCGTTCGTCCGCAGGCATTGTCCTGTCCATACGGCAAATCAGGATGTCGGGTTGCA AACCGATGCTCAACATTTCTTTAACGGTGTGCTGGGTCGGCTTGGTTTTGATTTCGCCTG CGGCGGCGATGTAGGGGACGTAGCTCAAGTGGGCAAACAAGGTGTTGTTGCGCCCCAACT GGCTTCGCATCTGGCGGATGGCTTCCAAAAACGGCAGCGATTCGATGTCGCCGACCGTGC CGCCAATTTCGACAATCGCCACATCGTAACCTGCCGCGCCTTCGTGGATGCGTCGTTTGA TTTCGTCGGTAATGTGCGGAATGACTTGAACCGTACCGCCGAGGTAGTCGCCCCGTCGTT CTTTGGCGATAACGTTTTCGTACACCTGTCCCGTGCTGAAGCTGTTGCGGCGGGTCATCG TGGAATCGATAAAGCGTTCGTAGTGTCCCAAGTCGAGGTCGGTTTCCGCGCCGTCGTCGG TTACGAACACTTCGCCGTGTTGGAACGGGCTCATCGTGCCGGGATCGACGTTGATATAAG GATCGAGCTTGAGCATGGTAACGTTCAAGCCGCGCGATTCGAGGATGGCGGCAATAGAAG CGGCGGCGATACCTTTACCCAGTGAGGAGACAACGCCGCCGGTGACGAAAATGAATTTGG TCATAATGAAATACCCGTATTGGAATGCGTGATTTTAACGTGAAGCGCGCGGTTCTGGCA AACGGACGGATGCCGTCTGAACGATGGACGGCTGTTTTCAGACGGCATCTTTTCTTATT TCCCGGTACTTTGCCGCAACTCGCGGCGCAGGATTTTGCCGACGTTGGACTTGGGCAACT CGTCGCGGAATTCGATATTTTTCGGTACTTTATATGCGGTTAATTCGGTGCGGCAAAAAG CGATAAGTTCTTCTTTGGTCAAAGACGGGTCTTTTTTGACGACGAATACTTTGAGTGCCT CGCCGGTTTTTTCGTCGGGAACGCCGATACAGGCGACTTCCATGACTTTGCCGTGATGCG CGATGACTTCCTCGATTTCGTTCGGATAAACATTGAATCCGGAAACAACGACGAGGTCTT TCTTACGATCGACCAGCTTCAACCAGCCTTTTTCGTCCATGACGGCAATATCGCCGGTTT CCAAGAAGCCGCGCGCTCTATGGCTTTGGCGGTTTCTTCGGGGCGGTTCCAGTAGCCTT GCATCACTTGAGGGCCTTTTACCCACAATTCGCCCGGCTGCCCGACGGGGACTTCTTTGC CGTTTGCGTCGCGCAGTTCGACTTCGGTGGACGAGACGGGCAAACCGATGCTGCCGCTGT CTTCGACGATGGGCGTGCCGGTGATTTTTTTCCATTTTTCGGCAACGGCTTTTTTGGGTCG CCATACCGCCGCCCAAAGTCAGCCGCAATTCTGAAAAATCGACTTCGGCAAAATCAGGAC GGTTAACCATCGCGTTAAACAGCGTGTTCACGCCGATAAATACATTAACCCGCTGTTTTT TCAGTTCTCCGATAAAGCCTTTCATATCGCGCGGGTTGGTAATCAGGATGATTTTCGAGC CGGCATTGGCAAAAATCATCAGATTCACGGTTAAGGCAAAAATATGGTACAGCGGCAAGG

CGGCGATAACGGTTTCTTTGCCCTCGCGCAACTGGTTTTTAATCCATTCTTTTGCCTGAA GCATATTGGCGCAGATGTTGCCGTGACTCAGCACCGCCCCTTTGGCAACACCTGTCGTGC CGCCCGTGTATTGCAACAGCGCGGTATCTTCGCGGTTTAATGCGACAGGTTGGAAAACGT GCTTCGCCCCTTCTTTCAATGCCGTCTGAAAGGAAACGGTTTCCCGAATACGGTATTCGG GCACCATTTTCTTGATTTTCCGGATGACGAAATTGATCAGCGAACCTTTAAGCAGCCCGA CCAGCGTGTTGGCGAAATTTTCCAAAACGATGATGGCGGTCGCGCCGCTGTCTTTCAACT GATGCTCCAGCTCGCGGGGGTATAGAGCGGATTGGTGTTCACCGCTACCAAACCTGCCT GCAAAATGCCGAAAAGGGCAACCGGATATTGCAGTACATTGGGCAACATTATTGCCACGC GCTCTCCTCGAGGCAATTTAAGGACGTTTTGCAGATAAGAAGCAAAATCTGTTGCCAGTT TGCCGGTTTCGGCATAAGTCAGCGTCTTACCCATGTTTTGAAAAGCAGGTTGGTCGGCAA ATTTTTCCACGCTTTGGCGGAATACGTCGCTGACGGAATTGTATTGCGTGATGTCGATTT CGGCACTGACGCCCTTCTCGTAGCTGTCTAACCAGATTTTTTCCATAGGTATCGGTCTTT AAAGTGGAATTGAGCGGAACAATGCCGTCTGAAAACCGTTTCAGACGGCATTACCTTTAT CGTGTGATGATGACGGGTTTGTCGGTCGTTTGGATGATACCGCCGCCCAAACAGATATCG CCGTCGTACAGCACGGCGGACTGACCCGGCGTAACCGCCCATTGCGGTTCGTCAAACACC AGCTCGGCGGTTTCATCATCCAAATAGCGCAACTCACAAGGCGCGTCCGCCATACGGTAA ${\tt CGCGTTTTGCAGGTATAGCGTCCTGCCTTCGGGCGTTCGGGCAGCGTGAAACTCAAATCG}$ TTCATCACAAGGCTGCGGGTATAAAGCAGCGGATGGTCGTGTCCTTGCACGACAATCAGT AAACCTTTGCGCTGTCCGAGCGTGTAGAACATCAGCCCGACGTGTTCGCCGACGGTTTTC CCTTCGGGCGTAACCATTTTACCATTGTCGGTCGGCAGGTATTTCTGCAGAAACTCGCGA AACGGGCGTTCGCCGATGAAACAGATGCCCGTGCTGTCTTTTTTAGCGGCGGTCGGCAGT TTGAACTCGGCGGCAAGGCGGCGCACTTCGGGTTTTTCCAAACCGCCCAACGGAAAAATC GCGCGCTCGAGTTGGAAAGGCTTGAGGCGGTAGAGGAAATAGCTTTGGTCTTTCGA TCCAAACCTTTGAGCAGGTAATGCACGCCGTTGCGAACTTCTTTGCGCGCATAGTGGCCG GTGGCGATGGTATCCGCGCCCTGCCCTACGGCGTAGTCCAAAAAGCATTTGAATTTGATT TCGGCGTTGCACAACACATCCGGATTCGGCGTGCGCCCCGCACTGTATTCCTGAAGAAA TAAGCAAAGACTTTGTCTTTATATTGCGCGGCGAAATTAACGATGTCGATATCGATGCCG ATAATATCGGCAACGGCGATGGCATCGAACGAATCCTGTTTGATGCTGCAATATTCGTCG TTGTCGTCGTCTTCCCAGTTCTGCATGAACACACCGCGCACTTGATAACCCTGCTGCTTG AGCAGGGCGGCGTTACGGAAGAATCGACACCGCCGGAGAGCCCGACGATGATATTGGAA GGGTTTGCTGTCGTATTCATGCGTAGAATATGGTTGGAAACGGCGGTTTTTAAAGGCGGA TTTTAACACATTTTAAAGGCGGGCATAAAAATGCCGTCTGAAAGCCCGGGCTTTTTCAGA CGGCATTTCAAACATTTTCAGCAGATTAGTGCTGATGCGCTTCGCCGTGGTGATGACCGT GGTTCATTGCCGGCATCGGCGCGATTTTGACTTCCAGTTGGACGGTTTGCGCTTTGGCGT TTTTAAATTTCAGGGTAACGGGAATTTTATCGCCCTCTTTTAATTGTTTTTTCAAACCCA TAAACATCACATGATAGCTGCCGGGTTTGAGTTCGGTAACGGATTTCGCTTCCAAAGGCA CGCCGCCTTCGACTTCGCGCATCCGCATCACGCCGTTGTCGTTGATGTGGGTATGCACTT CGACGCGGTCGGCAACGGGGCTGCTTCCGCCGAGCAAAAAGTCTTGTTTGGCTTCGTCGT TGTGGATTTTCATGAACGCGCCGCCTATTTTCATACCTTCGACGGTGGTGCGCGCCCAGC CGTCCTCAACGTGGACTCCGGCGGGGGAAACCGCGCCTGCCAAACCTGCCATCATCACGG ${\tt CCGCCAATAATTTTTTCATCTTTCTGCTCCTTATAATATCAGACGGGGAATGTGCTTAAT}$ CTTATAGCGGATTAACAAAAACCAGTACAGCGTTGCCTCGCCTTAGCTCAAAGAGAACGA TTCTCTAAGGTGCTGAAGCACCAAGTGGATCGGTTCCGTACTATTTGTACTGTCTGCGGC TGATGTAGATTAAGTGAATAATAAATACCACATACTAATCCTAAAGGATTACAAATCCTG CTGCAAGCGTTTTACCCGAACAGGGCAGACAGCCAAACCGCCGCCAACATCAGCATCGCG ${\tt AACAATTGTGCGGCAGAACCTGCGTCTTTTGGCGAGTTTGGCCAGCTCGTGTTTTTCGGTC}$ GAAGTATGATCGACGGCAGCTTCGACGGCGGTGTTGAACAGTTCGACAATGACCGACACA AAAGACGCGATAATCAACGGCAGGCGGACGGCGGTTTCGGAAACCCAAAAAAATGCCGCG CACACCAGCAGTACGTTCAGCCACAAAACCTGACGGAATGCCGCTTCGTAACGGTAGGCG GCGGCGATGCCGTCTATCGAATAGCCGAATGCGTTAATGACGCGCCTGATGCCGCCTTTG CCTTTTTTTTCTGCCGCGTAGGAGGAAGGTTCCATCGGTATCCTTTCAAAATGTTCTCAA TATAGTGGATTAACAAAAACCTGTACGGCGTTGCCCCGCCTTAGCTCAAAGAGAACGATT CTCTAAGGTGCTGAAGCACCGAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCAGCTT CGCCGCCTTGTCCTGATTTTTGTTAATCCACTATATATACCGTCTGAAAACGGGGCGCCG GGGTGTCCGTACGGTATTAAGCGTATCCCTGCCGGCTGAGAGAAAACCCTGCCCAA TCAAACCAGGCGGTTGTGAAGCAAAAGCCTTTCAGACGGCATCGGTTTAACGTACCGACC ACGCGGCAACGGCATCGGCAAACATTGCCGCCACATCGAAACCTTTTTGTTTCATAATTT CTTGGAATCCGGTCGGGCTGGTTACGTTGACTTCGGTCAGGTTGCCCGATAACGTCCA GGTCGCGTCCGCCCAATTCCTGCGCCACGCCGCGCCCCGCCTGCCGCAAGGTTGCCGCGTG TTTCGCCGTTTTGCGGGATACGCGCCAAAGCATAGGGGACGACTTCGCCGCCGATAATCA GGATGCGTTTGTCACCGTGTACGATTTCGGGAATGTAGCGTTGCGCCATAATGGTGCGGG **AATCAAGCTGCATCAGGGTTTCGAGGATGCTGCCGATGTTGGGGGTCTTTTTCGGTCAGGC** GGAAAATTCCCATACCGCCCATGCCGTCGAGCGGTTTGATGATGATGTCGCCGTGTTCTT TCAAAAATGTGCGGACATCGGCGGAACGGGTCGTTACCAGCGTGGGCGCGATAAAGCGGC TGAAGTTCAAAATCGCCAGTTTTTCATTAAAGTCGCGCATCGCCTGTCCGCTGTTAAAGA CCTTCGCGCCCTGCTGTTCCGCCAGCGTCAGTAATTGGGTGGCGTAGAGGTATTGCATAT CGAACGGCGGATCGGTACGCATAATCACGGCATCAAATGCTTCCAATGCCGTCTGAACTT TGTCGGCAGATTTGAACCACGCATGATCATCATCGTTTTTTGCACCCAAAAATTCAAATG CCGATGCCTGCGCCGTTACCAAACCGCCGTTTACAGACAATTCCCCGCTCAATGTGTGAA ACAGCCGCCAGCCGCGTTTTGCCATTTCGCGCATCATCGCGTAGGTGGTGTCTTTATAGG TTTTGAAACTTGCCATCGGGTCGGCGATAAAGAGGACTTTCATCATATTTCCTTTCCGGT

GTGCCGAATGTGCCGCATTTCGCGGGTAAAGGAGAAATTCCGCCCGAACAATATTCAGAC GGCAGGGATGGGGTTTTACTTAGGCTGCCAAGAGTCTTTCAGCGTTACCGTGCGGTTAAA CACCGCGTGTCTTTGCCGTGGTCTTTACGGTCGGTTACGAAGTAGCCGATACGCTCGAA CTGCCAACGGCTTTCTGCCGGCAAATCTTTGGCGGCAGGTTCGGCGTAGGCGGTGATTTC CTTGACGGATTCCGGATTGAGGAAATCGGTGAACGGCAGGTATTCGCCGCGTCTTCGCCGCG CACGGCATCGGGACGCTCGACGGTAAAGAGGCGGTCGTACAGACGGACTTTGATTTCGGC GGCGTGTTCGGCGGAAACCCAATGAATCACGCCTTTAACTTTACGGCCTTCTGGATTTTT GCCCAAGGTGTCGTGGTCGATGCTGCATTTGAGTTCAACCACATTGCCTGCTTCGTCTTT GACGACTTCATCGCACTTGATGACATAGCCGTGGCGCAAGCGTACTTCGCCGCCGGGAAT CAGGCGTTTGAAGCCTTTGGGCGGATTTTCGGCAAAGTCGTCGGCTTCAATATAGATGGT TTGGGAAATAGGTACTTCGCGCTCGCCCATTTCCTCGTGGTTCGGATGGAACGCGGCACG GCGGCTTTGGGTTCTGCCGGTTTCAAAGTTGGTCAGGGTCACTTTGAGCGGGTTCAACAC CGCCATCAGGCGTGGGGCGGAATTTTCCAACTCTTCGCGAATCGCGCCTTCCAACACGCT CATATCGACGATGTTTTCAGATTTGGAAATACCGGCGCGTTTGGCAAACAGGCGCAGCCC TTCGGGCGTGTAGCCGCGTCGGCGCATACCGGAAATGGTCGGCATACGCGGATCGTCCCA GCCGGAAACGTGTTTTCCACAACCAACTGATTCAATTTCCGTTTGGAGGTAATGGTGTA CAAAAGCTCCAAACGGGAAAACTCGTATTGGCGCGGACGGGTGGCATGCGGCGCAGGAAT GTTGTCCAACACACAGTCGTACAGCGGACGGTGCTTCGAATTCGAGCGTACACAAGGA ATGCGTGATGCCTTCGATGGCATCGGAGATGCAATGCGTGTAGTCGTACATCGGGTAGAT ACACCATTTGTCGCCGGTGTTGTGGTGATGGGCGCGGCGGATGCGGTAGATGACGGGGTC GCGCATATTGATGTTGCCCGATGCCATGTCGATTTTCAGGCGCAGGGTTTTGCTGCCGTC GGGGAACTCGCCGTTTTTCATGCGTGTGAACAGGTCGAGGTTTTCTTCGACGCTGCGGTC GCGGTAAGGGCTGTTTTTACCCGCTTCGGTCAGCGTACCGCGGTATTCGCGCATTTCTTC GGGCGTCAAATCATCGACATACGCTTTGCCGTCTTTAATCAAACCGACGGCGTAGTCATA CTCGACATCTTCTTTGATGGCGTTGACGTATTCGTCGTTTTCTTTTTCGGGGTTGGTATC GTCAAAACGCAGGTTGCACAAGCCGTCGTAAATATACGCCAAACCGAAGTTCAGGCAGAT AGCTGTATGTTTGCCGCTTTCGAGGTCTTCTTCGATGATGGTGCGGATAAAATGGTTGTC CGCAAATTGGTCTTTATTGAGCATAGTTTTCTTTGAACAGATGGCTTCAGACGGCATTGG AATGATTCCGTATGCCGTCTGAAGCGGTTTGGGAATGTGTTTATTGTACCCGACTTGCGC GCTTTGACATAGCGTTCAGACGGCATCGGCAATCAAGCATTCCACCCCCGCCTCTTTCAG CATCTTCTGCATCGCGGTATCGGGCAGCCGGTCGGTAAATACTTTGTCAAACGCCGTAAT GTCGCCGAGCCTGACCAGCGCGTTGCTGCGGAATTTACTGTGGTCCACGCCGAGGAAGCG GACGCGCGCATTGGCAATCATCGCCTGCATCACGCTGACTTCTTTGTAGTCGTCGTCCAA AAGCGAACCGTCGCTTTCCACGCCGTGCGTACTCATCACGGCATAATCGACTTTGAACTG GTTGATAAAATCGACGGTTGCCACGCCGGTAATACCGCCGTCCAAAGGGCGGACGACTCC GGAAGTGATGACCGTATAATCCGTCCGCGCCGAAGCAATCGAGGCGGCGTGGATATT GTTGGTAATCACCCTCAGGCTGCCGCCGCCTGACCAGCTCCGACACCACGGCCTCCAT CGTCGTGCCGATACTGACAAACAGCGACGACCGTCGGGGATGTGTTCCGCAATCAGCCG GGCAATGGCGTTTTTTTCGTTTTGACACCGGGTTTGGCGGTCGGCGGCAGGCCCTCCGG CAAGTTTCCGCCCGAAGATGCGCCGCCGTGATGGCGTTTCAGGCTGCCGACCTCCTCCAA CTCGCGGATGTCGCGGCGTATCGTCTGCGGGGTAACGTCCAATGCGGCGGCAAGCTCGTC CACCGACATAAACTGATGCCGGCGGACAAGGCTTAAAATCTCTCCGTGCCTTTGGATTTT CGGCTTCATCGTTTTCTGCCTCCTTGCATCGGGATGCCGATTTTACCGCGTTCAACCCAA AGCGGAAAACACCACCATCAGAAACGGGGCGGCGATATTGACCACCACGCCGAAGCTGAC CGCTACCGGCACGACTTCCAAACCGCCCGCACCCTGAATCACGGGCAATGTAAAATCCAT ACTGGTCGCACCGCCAACCCCCACCGCCGCATCTGGAAAACGCTTCATCAGCAGCGGGAT AAATGCCAGTGCAAACAGCTCTCGTGCCAAATCGTTCAGCAGCATGATGCTGCCCCATAC CGCGCCGTAAGCCTCGGTCATGACCAAACCCGAGAGGGAATACCAACCGAAGCCGGAAGC CATCGCCAAACCTTTCGTCCACGACACCCGTCTGTCGATGCGGCAAACAGCAGCCCGCC CGAAAGAGATGAAAGCATAAACCAGACCGACAACCGAATACCCCTGCGGTTGACCAAAAC CTGCCGCAACGATACGCCGCTGCTTTTGAGCTGTACGCCGATGAGGAACACCAGCAGCAT CAGACAATACATGCCCGCGCTTTCAGACGGCATCCAAATATCGCGCATCAGTTTGCCGAA TGCAAATCCGAGCAGCACGCATCCGAGCTGCCCACACTGCCCGACACGCCGACACAAAC GCCCTTCCCTTTCCCCTTTATCCGCCACGGGAATAACTTTCCCAACACTGCCAAAGCAAG CAGGTTCGCCCCGACCGTACAAACAACAGCCACAGAACCGTCAACGCCATATCGTCCAA CCGCGAACCCAAATCCTCCACGCGCGACAACGAGACGCCGATCAGCAGCAGCACAGCATA CACCAAGACCGATAGCACCTTATCCAAAGCGGGCAGGTAAGGCTTGGGCACACGGATAAA AAATCCGGCAAACATCGGTATCAATACCGAAAGCAACGTCATCAGGCTGTCCATCTACTG CTCTCCTTTATTGCCGCATGATATGTGCGGTTTAAAAATTGCCGTCTGAAAATTGCAGAT ACCCGCATCCATATTTCAGACGGCATCAGGTTCGCCATTAAAAAACCGCCTGAAGGTTCA GGCGGCTTATCCGCTCCGGCATTCAATCTTCCAAAGTCTTTTCCAAACGCTCCATACAGT TGCCCAAATGGCGGCGCAGGATTTTGACCACGCGGTTGCGCCTGCCCGCCAGCAGCAGGT CGAGGATTTCGCGGTGTTCGGAATGCGTATGCGTATTGATGGCGTGTTTTTCCTCGCGAT GCACGCCCGCCACGGCGACAATCAGGGAAGACCGCGCGCACAGCGTATTCATAATGTCGA ACAGCACATCGTTGCCCACCAGGCGCCCAGTTCGACGTGGAAGGCATTGGACAGGCGGT TCCAGCCGACGCGGTCGCCCTGCCGGAGGCCTCTTCTTCGCGCCGTATCATCGCATAAA GCGGCTTGAGGCGCGTTTCCAAATCCGGCAAATCTGCGAGGATATTCAAAATCATCGTCT ACGCGCCCTGTTGGGTTGCAAATCGACAATCTTGTCGTGCGCCAAAAGCGACAGCGCGC CGCGGACGGTGTTGCGCGAACACACCATCTGACGGCAAAGTTCGGATTCGGTCAGCTTTT TGCCGGGCAGCAGCACCTGATCGGTAATGCCGTCCAAAATCAGGGCGTAAACACGGAACA GCTCCGAATCGTGCCGCTCTTCGAGAATCAGGGAAGACGTGGTCGGCGCATGGATAATGT CGTCGTTTTCAAAGTTCATGATGTTTTCCGTATTTTTACGCTTTCAAATTTTTTAAGATG TTTTAAGGCGGCTGTGTTCAAATCGTGTCAGAGGAATTAAAGCATTGCACAAATTTATT TTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTA CGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCCAAGGCG AGGCAACGCCGTACTGGTTTTTGTTAATCCACTATAATTCAATAAATTAATATATGGCTT AAAATAACGGGATTCTCGCCTCCCGCCCGCCGCAGAAGCAGGCGGATATCATTTTAAAA CGCGGCATTTAAAATTTGACCGAAAATTGTTGACAATCCGGAATCAAGTCTGCACAATAC TTCCCTTCAGACGGTATCAGCCGTTTCCCCATAATGCCGCCCGATGCCTATTTATCTGCC CCGGCAATTTCAAAACTGTGGGTAATCTTTGCCGCTTTGCCCAACATAATCGAAGCCGAA CAGTATTTTTCGGCAGACATCTGAACGGCGCGCTCAATGGCCGATTCTTTCAAATCATGC TTCGCCGTAACCGTCGCACGGCAGTCAGTCACTTTCTGACGCTGTTTTTCGGCAATCATC ACCACATCGATGCTCGAACAGCCCGCCCACGCCCAACAGCAGCATTTCCAAAGGGCTGGGC CCGCGCTTAGCCTTACCTTCTGCCGCCGACCCCTCCATAACGACGCTGTGCCCGCCTTCC GTCGTGCCGACAAAACACCCGTCTATCCATTTTGATGTAACCTGCATGGTGTCATTC CTGAAAATAGCGTTAAAACCGCTTTGCATATGGCGTTATTGTAAACAATTTCAAGCGGCT TATGCAGAAATATGGACAAAACGGCAAAAAAACACTTGAAAACCGATTTACGGTTTGGCT GCCTGGCCGTTGATCTGCACCGATTTGAGTTTCAGCGTATAGGTTTTGCCGTCGGTA TAGCCGATTTGTGCCGGAATATTGTTCAGGGACGGTGCGAAGAATACATTACCGCATCG TCGCCGCGCCGCACCCGATATTTGACGACTTCGGTTTCCACGCCGCCTATGCTGTATTTT CCTGTACCCGCCTTATTCAAACCGCCGACGGAATAAAGTTTTTTGCCGTTGGTGATTTTC AGCCCGGGGGGAGTTTCGCGTCATTTGCCGCCAACTGCCAGGCAAGCGTGAACAAATCC ATAGCCTTGGGGCTTTGCTCGGTTTTGCTCTCGCCCGCTTTGCCGTAAGTTACGCTGCCG TGCAGGGTATTGCCGACAACCGTACCGCCGGACTCGAAACGGATATTGTATAGCGGCACT TTAATCGTCGAAACGATTTGTAAGCATTGCCGCTGCGTTCAAATGTCATCGTGGCGGGA ATGCCGTAGCTGCCGGAATAGTGCAGCACGGCGGATTGGGGCAGCCCTGCCGCATACGCG CACGGCAGGGCGGCGAAAATGGCGGCGGAAAATATATTTTTAAAAGTCTTCATCATT TGCTCCCGCCCGGTTTACGCCGTCAGAAAACGGGCGGCATCGGCGTTTTCCGAATTTCTG ACGCGGTTTCCCTCAATAATCAGGCGGCCGGCGGCAAAATCGGCAACGGCTTTCGGATAA AGTTTATGCTCGACAGCCAAAACCCGTGCGGCAATATCGTCTGCCGTATCGCCGTCGAGT ATCGGCACAACCCCTTGCGATACAATCGGGCCGCAATCCAGTTCGGCAGTAACGAAATGG ATGGTGCAGCCGGCAACGCGGCAGCCCGCCTCCAAAGCGCGTTCGTGCGTATGAAGTCCG AACTCGGGGGTCAGAATCCGCATAAAACCTGCCAAAACCACCAAGTCGGGTTGATATGCG TCGATTTTCTCCATCATGGCGGTATCGAAGGCAAGCCGGGATGTAAAGTTTTTATGATTC AGGCTATCGGTCGGGATGCCGCGTTCGGCCGCCCATTGCAAACCGGCAGCCGTTTCGCTG TTGCTCAACACGGCGGCAATGCGGACGTTGTGAATGGCGGCATTGACGATTGCCTGCATA TTGCTGCCGCGTCCAGAAATCAGGATGACGATGTTTTTCATAATGGTGCGCTTTTGAAAG GGATGCCGTCTGAACCGCTGTTTGGTGGTTTCAGACGGCATTTGCCGTAAAAATGCCCGA **AAACCTGTTTCGGGCATGGATTCGGACTTAATTTACTTTTTTGATGTCGACTTGAGCCGG** CTGCTTGGCGGGCGCGTTTTCGGGTGCGCCGATTTTGACCAGTTTCACATCAAATACCAA AGTGGCGTTCGGACCGATTTTGTCGCCCGCACCCTGTTCGCGGTAGGCAAGGTTGGACGG GATGTAGAACGTGGCTTCGCCGCCTTCTTTCAGAAGCTGTACGCCTTCGGTCCAACCCGG AATCACTTGGCTCAAAGGGAAGGTGACCGGGCCGCCGTTGGCTTTGCTGCTGTCGAATAC CGTACCGTCAATCAGGCGGCCTTCGTATTCCACGGTAACGATGTCGTCTTTGGTCGGCTG TTTGCCTTCGCCCTGTTTGGTGATTTTGTATTGCAGGCCGGAAGCAGTGGTCTTCACGCC GTCTTTGGCGGCATTTTCTTTCAGAAAGGCTTCGCCTTTTTCTTTATTGGCCTTCGCGTC CGCCTTGTGTTTTCTACGGCTTTAGCCTGTTGTTCCTGAAGGAATTTCATCATGACTTC GGTAAAGACTTTCAAATCGATTTCCGCGCCCTGTTCCTTCATTTGCTTCAGGGAGCGTCC GATGTCCACGCCCATCGCATAGCTTGCCTGCTGCATCGTGCTGCCGATCGAAGAGGTGTC GCCGCAGGCGGAAAGTGCCAAAGCGGCGGAAAGGGTCAGTGCGCTGATTTTGAAAATGGT GTTCATGATGGATCTTCGCTGTCGATAAGGTCGGAAAAACGGGATTATAGCCGAGTTTGA ATGTTTCAACACAGGATGACACATAAAGCGTCAATCGTGTTTTGCCCTGTTTTGGAAG GGATTGAACCTTCCAAAATAAGTTTTGATTCTACCGCCCCGAGGGACAGATGTCCAAGTG GCGGGGTTCAACCGATAAGGAAATTTTAATCAAATAGAATCAAGCCTGTTTAAATTTTGT AAATGCGGCATTTCAGACGGCATTTTATGCCTTGCCCTCCATGCCGTGATGTTCGATGGC GTTGCCGACGATTTCCAAAACGCGCGCGGGCAAGACCGGAGCGGTGTTCCAAAAACCGTC GGACAGGTTCAAAACGGTCATGCCTTCGGGAATTCGGGGCAGATTGCCGCCGCAGGCAAG CAGGACGGATGGTTCAGACGGCATGGCTTCTTCCGTTTCCCAAATTTCGTGCGGAATGAA GGACCACACCAGTATCCTGCCGCCGTCCCGAATCGCACGGGCAATCAGGCGGCAGGTGAA **AATCGGAACTTGGGCAACGTGCGTGTAAAAGGTGGCTTTCGGCATATTGTTTGAACATTT** GGCAGGATAATGCCGTCTGAAAGGCTTCAGACGGCATTGTGGGAAAATTAAAGATTCCGC AGATAGTTCAGCAGCAAGGGAACGGGACGGCCGGTCGCACCTTTTTCCGCACCGGATTTC CACGCCGTACCCGCGATGTCAAGGTGTGCCCATGGATAGTCTTCGGTAAAGTAGGATAGG AATGTTGCGGCGGTAATCGTGCCCGCGCGGGCGTGCCGATGTTTGGAATGTCGGCAAAG TTGGATTTGAGTTGTTGTAGGTCTCAAAGAGCGGCAGTTGCCATGCTTTGTCGTCC ACGTTGTAGAAGCGGCAAGCAGGCTGTCGATCAAATCCTGATTGTTGCCCATCACGCCGC TGACATCGTGCCCCAAGGCAACAATACACGCGCCGGTCAGGGTGGCGACGTCGATGACGG CTTTGGGTTTGAACTGCTCGGCGTAAGTGAGCGCGTCGCACAAAATCAGACGGCCTTCGG CATCGGTGTTCAACACTTCGATGGTCAGCCCTTTCATACTTTTCACGACATCGCCCGGTT TGTTTGCCGCGCCGGAAGGCATATTTTCACAAGTGGCGACGACGGCAATCAGGTTAATCG GCAGTTGCAGTTTGACGGCGCGCAGAAGGTGCTGATGACGGTTGCCGCTCCGCACATAT CAAACTTCATTTCGTCCATGTTCAGGCCGGGCTTGAGGGAGATGCCGCCGGTGTCGAAGG TAATGCCTTTGCCGACCAATACCACAGGCGCGCTTCTTTGTCGGCTGCACCGAAATAGC TGTTTTCTTTGATGTAGTCTTTTTCGATGATTTTTGGCGTGCGCCCCAGTTTTTCGGCTT CGGCTTTGGCGGTGCGCGCTAAAAATTCGGGCGTGCATTCGTTGGGCGCGGCGTTGCCCA AGTCGCGGCAGAGGCTTTGTCCGTAAACTTGCGCTTCGGCGACGCGCAAGGCTTCTTTGA CGGCGGCTTCGTGCGCGGTATGGAACACGGCAGTTTCAAATTTGGCGGGCTTGGCTTCTT TTTTGTAGCGGTCGAAACGGTAGGCGGCATTGCCGAACGCAATCGCAAACGCTTCGGCAA CGGCTGCAGCCTGCGCTTCTTCAAAGACGTGAACGTCCACATTGACCGTTTCCTGATTTT GACAGCATACGGCAACAGCCTGCAAACCGTTGCCTGTCGGGATTTTTTGTGTCGGCAAAAT TTTGACCTTCTTCAAGCGAAGACAAAAGGGCAAGGACGGTCGGGTTGCTCAGTTGCGATG CTTCGGTGCAGACAAATAACTGTGCGCCTGCCTGCTGTTCCTGCAAGATTTCGGTTTTTG TGCTAAATTCCACGTTTATTCTCCTGATTGAGACGGTTGTCGGTAGTTTTCGGACGGCCT TTCGCTCAAAAGACCGTCTGAAGACGGCTGGCACGATTGTACCCCATTTGAAGCACCGTC TGAAACCTTGCGCGGACAATCCGCCTGCGCCGAACCGCTTACCGCCCCCTGACCGCGAT TCTATGATTTATCAAAGAAACCTCATCAAAGAACTCTCTTTTACCGCCGTCGGCATTTTC GTCGTCCTCTTGGCGGTATTGGTCTCCACGCAGGCAATCAACCTGCTCGGCCGTGCCGCC GACGGGCGTGTCGCCATCGATGCCGTGTTGGCATTGGTCGGCTTCTGGGTCATCGGTATG ACGCCGCTTTTGCTGGTGTTGACCGCATTTATCAGTACGTTGACCGTGTTGACCCGCTAC TGGCGCGACAGCGAAATGTCGGTCTGGCTATCCTGCGGATTGGCATTGAAACAATGGATA CGCCGGTGATGCAGTTTGCCGTGCCGTTTTGCCGTTTTGGTTGCCGTCATGCAGCTTTGG GTGATACCGTGGGCAGAGCTACGCAGCCGCGAATACGCTGAAATCCTGAAGCAGAAGCAG GAATTGTCTTTGGTGGAGGCAGGCGAGTTCAACAGTTTGGGCAAGCGCAACGGCAGGGTT TATTTTGTCGAAACCTTCGATACCGAATCCGGCATCATGAAAAACCTGTTCCTGCGCGAA CAGGACAAAAACGGCGGCGACAACATCATCTTCGCCAAAGAAGGTAACTTCTCGCTGAAC GACAACAAACGCACGCTCGAATTGCGCCACGGCTACCGTTACAGCGGCACGCCCGGACGC GCCGACTACAATCAGGTTTCCTTCCAAAAACTCAACCTGATTATCAGCACCACGCCCAAA CTCATCGACCCGTTTCCCACCGCCGTACCATTCCGACCGCCCAACTGATTGGCAGCAGC **AACCCGCAACATCAGGCGGAATTGATGTGGCGCATCTCGCTGACCGTCAGCGTCCTCCTA** CTCTGCCTGCCTGCCGCTTTCCTATTTCAACCCGCGCAGCGGACATACCTACAAT ATCTTGATTGCCATCGGTTTGTTTTTAATTTACCAAAACGGGCTGACCCTGCTTTTTGAA GCCGTGGAAGACGGCAAAATCCATTTTTGGCTCGGACTGCTGCCTATGCACATTATCATG GCGGTTGGCAAAAGTCTGACATTGAAAGGCGGAAAATGAACCTGATTTCACGTTACATCA TCCGTCAAATGGCGGTTATGGCGGTTTACGCGCTCCTTGCCTTCCTCGCTTTGTACAGCT TTTTTGAAATCCTGTACGAAACCGGCAACCTCGGCAAAGGCAGTTACGGCATATGGGAAA TGCTGGGCTACACCGCCCTCAAAATGCCCGCCCGCGCCTACGAACTGATTCCCCTCGCCG TCCTTATCGCCGACTGGTCTCCCTCAGCCAGCTTGCCGCCGCAGCGAACTGACCGTCA TCAAAGCCAGCGGCATGAGCACCAAAAAGCTGCTGTTGATTCTGTCGCAGTTCGGTTTTA TTTTTGCTATTGCCACCGTCGCGCTCGGCGAATGGGTTGCGCCCACACTGAGCCAAAAAG CCGAAAACATCAAAGCCGCCGCCATCAACGGCAAAATCAGCACCGGCAATACCGGCCTTT GGCTGAAAGAAAAAACAGCATTATCAATGTGCGCGAAATGTTGCCCGACCATACGCTTT TGGGCATCAAAATTTGGGCGCGCAACGATAAAAACGAATTGGCAGAGGCAGTGGAAGCCG ATTCCGCCGTTTTGAACAGCGACGGCAGTTGGCAGTTGAAAAACATCCGCCGCAGCACGC TTGGCGAAGACAAAGTCGAGGTCTCTATTGCGGCTGAAGAAAACTGGCCGATTTCCGTCA AACGCAACCTGATGGACGTATTGCTCGTCAAACCCGACCAAATGTCCGTCGGCGAACTGA CCACCTACATCCGCCACCTCCAAAACAACAGCCAAAACACCCGAATCTACGCCATCGCAT GGTGGCGCAAATTGGTTTACCCCGCCGCAGCCTGGGTGATGGCGCTCGTCGCCTTTGCCT TTACCCCGCAAACCACCCGCCACGGCAATATGGGCTTAAAACTCTTCGGCGGCATCTGTC TCGGATTGCTGTTCCACCTTGCCGGACGCTCTTCGGGTTTACCAGCCAACTCTACGGCA TCCCGCCCTTCCTCGCCGGCGCACTACCTACCATAGCCTTCGCCTTGCTCGCCGTTTGGC TGATACGCAAACAGGAAAAACGTTGAACCAATGCCGTCTGAACCTCTCTCAGACGGCAT TTGTTTTCATTGACACATTCCCACAGACAGATAGCCGTTCCCTATTACATTACCTGTCAT **AACAGTTCCATTTTTGTTAAAACTAGTCTATGATAGCGGTACAAATATTGTTTACAATAT** TTAACGCAAATCATTTGCAACCCGACAAAAGAAAACAGAAAAAGGAACAAAGAGATGTT CGAGTTCTTGGTCGAACTGCTTGCCCACCGTGTTCCGCCCGGTGTGGACGATGCCGCCAA AGTCAAAGCCTCATTCCTGGCTGCCGTTGCCGAAGGCAGCGCGTCCAGCCCGCTGATCTC CCCCGAATATGCGACCGAACTCTTAGGTACAATGCTCGGCGGTTACAATATTCACGCCTT AATCGAACTCTTGGACGACGACAAACTCGCGTCCATTGCTGCCAAAGGCTTGAAACATAC GCTTCTGATGTTCGATTCCTTCCACGACGTTCAAGAAAAGCCGAAAAAGGCAACAAATA CGCGCAAGAAGTTTTGCAATCTTGGGCAGATGCCGAATGGTTCGCCTCACGCGCCAAAGT TCCCGAAAAATCACCGTTACCGTTTTCAAAGTTGACGGCGAAACCAATACAGACGACCT CTCCCCGCGCCCGACGCGTGGAGTCGTCCCGATATTCCGCTGCACGCGCTGGCCATGCT GAAAAACCCGCGCGACGCATCACGCCCGACAAACCGGGCGAAGTCGGTCCGATTAAATT GTTGGAAGACTCAAAGCCAAAGGCCATCCGGTTGCTTACGTCGGCGACGTGGTCGGTAC TGGTTCTTCACGCAAATCCGCGACCAACTCCGTCATTTGGCATACCGGCGAAGACATTCC GTTCGTGCCGAACAACGCTTCGGCGGCGTATGTTTGGGCGGCGAAAATCGCGCCGATTTT - CTTCAATACCCAAGAAGATTCCGGCGCGCTGCCGATTGAAGTCGATGTATCTGCTCTAAA AATGGGCGATGTCGTCGATATCCTGCCTTATGAAGGCAAAATCGTGAAAAACGGCGAGAC

TGTTGCCGAGTTTGAATTGAAATCACAAGTATTGCTGGACGAAGTGCAAGCCGGCGGCCG TATCAACCTGATTATCGGCCGAGGTCTGACCGCCAAAGCGCGCGAAGCCCTGAAACTGCC TGCCTCTACTGCATTCCGCCTGCCGCAAGCGCCTGCCGAAAGCAAAGCCGGTTTCACCTT GGCGCAAAAAATGGTCGGCCGCGCCTGCGGTCTGCCCCGAAGGACAAGGCGTGCGCCCGGG TACTTACTGCGAACCGCGTATGACGACGGTCGGCTCGCAAGACACGACCGGCCCGATGAC CCGCGACGAGTTGAAAGACTTGGCTTGTTTGGGCTTCTCCGCCGATATGGTGATGCAGTC TTTCTGCCACACCGCCGCCTATCCGAAACCTGTCGATGTAAAAACCCATAAAGAACTGCC CGCCTTTATTTCCACCCGTGGCGGCGTGTCACTGCGTCCGGGCGACGGCGTCATCCACTC GTGGCTCAACCGCCTGCTGCCCGATACCGTCGGCACCGGCGGCGACAGCCATACCCG GGGCGTAATGCCGGATATGCCCGAGTCTGTATTGGTACGCTTCAGCGGCAAGCTGCA ACCGGGCGTAACCCTGCGCGATTTGGTGAACGCCATCCCGCTGTACGCAATCAAACAAGG TTTGCTGACCGTTGCCAAAGCCGGTAAGAAAACATCTTCTCCGGCCGCATCCTCGAAAT CGAAGGCCTGCCTGATTTGAAAGTGGAACAAGCCTTTGAATTGACCGACGCATCCGCCGA ACGCTCCGCCGCCGGCTGTACCGTGAAGCTCAACAAAGAGCCGATTATCGAGTACATGAA ATCCAACGTCGTGTTGATGAAAAACATGATTGCCAACGGCTATCAAGACCCGCGCACTTT GGAACGCCGCATCAAAGCTATGGAAAAATGGCTGGCAAATCCCGAGTTGCTCGAAGCGGA TAAAGATGCCGAATACGCCGCCGTGATTGAAATCAACATGGACGACATCAAAGAGCCGAT TATCGCCTGCCCGAACGACCCGGACGACGTGTGCTTCATGTCCGAACGCTCCGGCACCAA AATCGACGAAGTATTCATCGGTTCGTGTATGACCAACATCGGCCACTTCCGCGCCGCCTC CAAACTTTTGGAAGGCAAGGCAGACACCCCCGTCCGCCTGTGGATTGCGCCGCCGACCAA ${\tt AATGGACGCGAAACAATTGTCCGACGAAGGACACTACGGCGTACTCGGACGTGCCGGCGC}$ GCGTATGGAAATGCCGGGTTGCTCCTTATGTATGGGTAATCAGGCGCAAGTACGCGAAGG TGCGACCGTTATGTCCACCTCCACCCGCAACTTCCCGAACCGTTTGGGTAAAAACACCTT TGTTTACCTCGGTTCGGCGGAATTGGCAGCGATTTGCTCCAAACTGGGTAAAATCCCGAC CGTTGAAGAATATCAAGCCAATATCGGCATCATCAACGAACAGGGCGATAAAATCTACCG CTATATGAACTTCAACGAAATCGACAGCTACAACGAAGTAGCCGAGACCGTGAACGTTTA ATCCCCGTCATCCGTATGAAGTAAGGGATTGACCGCAATGCCGTCTGAACAACCTTCAGA CGGCATTGCAACATTCCGCTAACCCTTCTTTCCGCAAACGCTGCAAATACGGCGTTCACG CCCCCACATAAAGGAAACGACAGTGAACCTGAAAAACCGCCATTTTCTGAAACTTTTAGA CTTCACGCCGGAAGAAATCACCGCCTACCTCGACCTTGCCGCCGAATTGAAAGCCGCCAA AAAAGCAGGGCGCGAGATTCAGCGGATGAAAGGGAAAAACATCGCCCTGATTTTTGAAAA GACTTATTTAGAGCCGTCCGCCAGCCAAATCGGGCATAAGGAAAGCATCAAAGACACCGC ${\tt CCGCGTGTTGGGCAGGATGTACGATGCCATCGAATATCGCGGTTTCGGTCAGGAAGTTGT}$ TGAAGAATTGGCGAAATACGCGGGCGTACCCGTGTTCAACGGGCTGACCAACGAGTTCCA TCCCACACAAATGCTTGCCGACGCACTGACTATGCGCGAACACAGCGGCAAACCTTTGAA CCAAACCGCGTTTGCCTACGTCGGCGACGCGCGTTACAACATGGGCAATTCCCTGCTGAT TTTAGGGGCAAAATTGGGGATGGACGTGCGTATCGGCGCACCGCAAAGCCTGTGGCCGTC TGAAGGCATTATTGCCGCCGCACACGCCGCCGCCAAAGAAACCGGCGCAAAAATTACCCT GACCGAAAACGCGCATGAAGCCGTGAAGAATGTTGATTTTATTCATACCGATGTGTGGGT CAGCATGGGCGAGCCGAAAGAAGTCTGGCAGGAACGCATCGATTTGCTGAAAGATTACCG CGTTACGCCCGAACTGATGGCGGCATCGGGCAATCCGCAAGTCAAATTCATGCACTGCCT GCCCGCCTTCCACAACCGCGAAACCAAAGTCGGCGAATGGATTTACGAAACCTTCGGGCT GAACGGTGTGGAAGTTACAGAAGAAATATTCGAAAGCCCCGCCAGCATCGTGTTCGATCA GGCGGAAAACCGTATGCACACGATTAAAGCGGTAATGGTCGCGGCTCTGGGCGACTGACA GAACTGTGCCTGTTTAAATTCATCCGCAACACAGATACCGTCTGAACACGATGTTCAGAC GGTATCCATATATAGTGGATTAAATTTAAACCAGTACGGCGTTGCCTCGCCTTGCCGTAC TATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAAAAA AACTGCCTACACGATGTGTAGGTAGTCCCGTTTGAAAACAATCAGTTTTTGTCTTGGTCA ACCAATTTGTTGGCAGTAATCCAAGGCATCATGGCACGCAGTTGTGCGCCGACTTTTTCA ACTTGGTGGTCGGCATTCAGACGGCGGCGGCAGTCATAGACGCATAGTTGACATTACCC TCTTGGATAAACATTTTTGCGTATTCGCCGGTTTGAATGCGTTTCAGGGCATTGCGCATG GCTTCTTTGCTGGAAGCATTGACCACTTCAGGGCCGGTAACGTATTCGCCGTACTCCGCA TTGTTGGAAATGGAGTAGTTCATATTGGCAATACCGCCTTCGAAAATCAGGTCAACGATC AGTTTCATTTCGTGCAGACATTCGAAGTAAGCCATTTCAGGCGCGTAACCGGCTTCGGTC AGGGTTTCAAAACCCGCCTTGATCAACTCGACCACGCCGCCGCACAATACGGCTTGTTCG CCGAACAGATCGGTTTCGGTTTCTTCGCGGAAAGTGGTTTCAATCACACCGCCTTTGGTG CCGCCGTTGGCAGCCGCATAAGACAGGGCGATGTCTTTGGCTTTGCCGGAATTGTCTTGG TAAACGGCAATCAGAGAAGGCACGCCGCCGCCGCGTTTGTATTCACTGCGTACGGTATGG CCCGGACCTTTGGGGGCAACCATAATCACGTCCAAGTCGGCACGCGGAACGATTTGGTTG TAGTGCACGTTGAAGCCGTGTGCAAATGCCAGCGTTGCGCCTTCTTTCAAATTGGCTGTA ACTTCGGCGTGATAGACGGCAGGCATGGTTTCGTCAGGCAGCAGCAGCATAACGACATCG GCTTCTTTGGTCGCTTCAGCAACGGTTTTGACGACATGACCGGCTGCTTCGGCTTTTTTC CAAGAAGAACCTTGGCGCAGACCAATCACCACGTTTACACCCGAATCTTTCAGGTTGGCG GCATGGGCATGACCTTGCGAACCGTAACCGATGGCAACGGTTTTGCCTTTGATTAGG GACAGATCGGCATCTTTATCGTAATAGACTTGCATTTGATTTCCTTTAAGGTAAATGGTT GTCGAAGCCTTAAAATGTTGAGCGGCTTCGGACGGGTTAAACAGAGTGTGCCGCTTAATC GGCAACTTCATTCATACGATTTCCAACGCTTCGGTTTTGCCGTCGACGGACTGGAC GAAGGCTTGGAAATGCGCGCTGGCGTTATGTTCGTCAATAGCTGCTTGAGATTTCCAATT TTCCACGAAAACAAAACGGTTCGGTTTGCCGATTTCCTGATGGAGATCGTAGCTGATGTT GCCCTCTTCTGCACGGCTGGCTTTGACCAGTTCTTTAAACTGTGCTGCCAGTGTTTCTGT GTATTCCGGTTTGACGGTAACCAGTGCGACAATTTTAATGTTCGACATAAATCTCTCCTG CCGTTCGTTTTTCAGACGACATTCAAATACCGTGCCGTCTGAAAGGTTACGGCGTTAAAT TTTCAAAATACGCTCACCGCGACCGATGCCGGCCGCGCCTGTGCGTACGGTTTCCAAAAT

AATCGTATAGCTGCGGTCGGTTACGTCGATGATGCTGCCCCGGTAGATTTCGGTCAAGCG TAAAAATTCGTCGCGGTCTTTGCCGGCGCACGGACTTTTACCAACATCAGTTCGCGTTC CTTGGTAATTTGTTCGATGACCTGCTCGTCGCCGTGGGTAACGATGGTCATCCGTGACAG GGTTTTGTCTTCGGTCGGCGCAACCGCCAAAGAATCGATATTGTAATCGCGTGCAGAGAA CAAACCGACCACGGGCTCATCGCACCTGATTCGTTTTCAATCAGAACAGATAAGATATG TCGCATTTGTCTCCTTACGCCTTTCCGTCCGCACGCATATGCGGCGGAAGTACCATTT AGTCGATAAACACCAGCCTGTCTTTTTGGTTCAATGCTTCCAACAACGCACCTTCCACAT CAGACTTCTTGTCCACGCGGATACCGATATGGCCGTATGCCTCGGCAAGTTTGACGAAAT CGGGCAAAGAATCGAAATAGGTTTCCGACTCTCGTCCGCCGTAATATATTTCCTGCCACT GGCGTACCATACCGAGATAACCGTTGTTCAGCGTAATGACGTTAACCGGAATCCGATATT GGAAACAGGTGGACAGCTCTTGGATGTTCATCTGGATCGAGCCGTCGCCGGTGATACAGA ATACGTCTTGATCCGGGGCGGCAAGTTTTGCACCAATCGCATAAGGCAGACCCACGCCCA TCGTACCCAAACCGCCGGAATTGAGCCATTGGCGCGGACGTTCGAAGGGATAATATTGAG CCGCAAACATTTGATGCTGCCCTACATCCGATGTGATGATTGCCGAATTGCCGGTAATCT CGGCAAGCTTCTGAATCACATATTGTGGCTTGATAATTTCGCTGCCGTTGTCAAACCACA AGCAATCTCGGGAACGCCATTCCTCTATGGTTTTCCACCATTTGCCCAAAGCATCTTCAG ACGCACGGACTCTTGTTTTTGCCACAGCGCAACCATCTCGGACAAAACGTTTTTCACGT CGCCGACAATCGGAATGTCCACCTTCACGCGTTTGGCGATGCTGGAAGGATCGACATCGA TATGGATAACCTTCTTCGCCTTCTCGAAAAATTTGGACGGTACGGAAACCACACGGTCGT CAAAACGCGCACCTACGGCAAGAACGACATCCGCATTCTGCATGGCAAGGTTTGCCTCGT AAGTACCGTGCATACCGAGCATACCGAGGAATTGGCGGTCGCCGGAAGGATAAGCGCCCA AGCCCATCAGCGTACCCGTGCACGGAGCACCCGTCATTCGGACAAATCGGGTCAGCTCTT CAGAAGCATTACCCAACACCACGCCGCCGCCAAAATAGACGACCGGACGTTTGGCAGATG CCAACATCTGCACGGCCTTTTTAATCTGACCGATATGTCCTTGAACAACCGGTTGATACG AACGGATAAAAATGTCTTCCTGAGGATAGCTGAATTTCGCCATCGCCTGCGTAACATCTT TCGGGACATCAACCACGGGCCCCGGTCGGCCGCTTGCGGCAATTTGGAACGCCTTTT TAATGGTTTCCGCCAACTCATTGATGTCCGTAACCAGGAAATTGTGTTTGACGCACGGAC GGGTAATACCCACCGTATCAACTTCTTGGAACGCATCCGTACCAATCAGGGAATTGCCTA CCTGCCCGCTGATGACCACCATCGGAATCGAATCCGTATAGGCAGTAGCAATACCGGTCA GTGCATTGGTAACGCCCGGGCCGGATGTAACCAATGCCACGCCCACCTTACCGCTGACGC GCGCATACGCATCTGCCGCGTGTACTGCCGCCTGCTCATGGCCGGGTAAGAATGTGTTTGA ATTTATTGAGTTGGAAAAGGGCATCGTAGATTTCGATAACCGCACCGCCGGGATAACCGA AAACGTACTCGACACCTTCGGCTTTGAGACTCTGCACTATGATTTGCGCGCCTGATAACT GCATAACGACCTCTTTTATACGGTTTCAAACCAATAGGGACAAACCGCTTTGCCACAGCA CCTGTAATGCAATTCCACCAAGCAGCGATTTAGGGTACGCGCATTGGGGGAACACGGCAA CAGACGGATTATCCAATCAATTGGAAAGGAACACAGAGTTTGTGAAAAAGAGTAGAAACG ATAACGCAAACCGACAGTTCAATCAAGAAAAATCTTTCATCTTTTAATATTTTTTTGAAAG CAGAGAAATTATTGATTGATTTTAAAAGAATAAAATCAGGAGTACCTTTTTTGAAAGATG GAAATTGTTGACAGTTTGTGTAGGAGGGGCAGATGTGAAAAACCCTTCTTCGATATCAAG TTTATTTTTGATATATCAAAAATATTCCCAACCATACTTCCTGAAAATGGCTCATTGCAC CGGACTGTATTGGACGGCATTGACAGAACCAAGAGGGCTAACAACGACTTAATATTGA TTGTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCTGCAGACAGTACAAATAG TACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGG CGAGGCAACGCCGTACTGGTTTAAATTTAATCCACTATATTTAGTTTTATCTATTTCATT AAACAGCAATAGACAAAAAAATAACCGCTCTAAAAGCGGTTGTGGTGCCCAGGGTCGGA CTCGAACCGACACCTTGCGGCGGGGGATTTTGAGTCCCCTGCGTCTACCAATTTCGCC ACCTGGGCTGGTGAAGAAGTCGTCATTATAATGGCTTTTGAAATTCTGTAAACCTTTTTT TTGAAATTATTTATCTGTTTTTATTTTTTTTTTTTTAAATAGAATTTTTATTTTT TAATCTTACTGTTCTTTCCGCTCCAAAGATTCTGTATGATT CGGCAATTCCTGCCGTGCA GACAACGTAAAAAATACTACATTAAATCTGCCAAACGCGTTAAGATGGAAATATTCAAA TTCCGTACGAATCAGGTTTTGCTATTTATTCTTGGGAGATTGTCATGTTTTCCGTACCGC GTTCCTTTTTGCCGGGCGTTTTCGTACTTGCCGCGCTTGCCGCCTGCAAACCTCAAGACA ACAGTGCGCCCAAGTCGCTTCTTCAAGTGCATCCGCGTCGGCTGCGGAAAATGCGGCAA AGCCGCAAACGCGCGGTACGGATATGCGTAAGGAAGACATCGGCGGCGATTTCACGCTGA CCGACGGCGAAGGCAAGCCTTTCAACCTGAGCGATTTGAAAGGCAAGGTCGTGATTCTGT CTTTCGGCTTTACGCACTGTCCCGATGTCTGCCCGACAGAGCTTTTGACGTACAGCGACA CGTTGAAGCAGTTGGGCGGGCAGGCTAAGGACGTGAAAGTGGTGTTCGTCAGCATCGATC CGGAACGCGACACCCTGAAATCATCGGCAAGTATGCCAAACAGTTCAATCCGGACTTTA TCGGTCTGACGGCAACGGGCGAAAACCTGCCGGTCATCAAGCAGCAATACCGCGTGG TTTCTGCCAAAGTCAATCAAAAAGACGACAGCGAAAACTATTTGGTCGACCACTCTTCCG GTGCGTATCTCATCGACAAAAACGGTGAGGTTGCCATTTTCTCGCCTTACGGAAGCGAGC CGGAAACGATTGCTGCCGATGTAAGGACCCTGCTCTGATAAAACCGTATGCCGTCTGCAC CGTCGGCGCCTATTCAGACGGCATTATTGTTTCAACCGACAAAGGACATCCACCATGC AGGATAATGCTTTGACCATCGCCTTATCCAAGGGGCGCATTTTTTGAGGAGACGCTGCCGC TGCTTGCCGCTGCCGGCATTGTTCCGACTGAAGAGCCTGAAAAATCGCGCAAGCTGATTA TCGGGACGAACCATGAAAACATCCGCCTTGTCATTGTCCGCGCAACCGATGTGCCGACTT ATGTCCGCTACGGCGGGGGACTTCGGCATTGCGGGCAAAGACGTGCTGATCGAACACG GCGGCACGGGCTTTACCGGCCTTTGGATTTGGAGATTGCCAAGTGCCGCATGATGGTTG CTGTGCGTAAAGGGTTTGATTACGAAGCAGCTTCGCAACCCGGATGCCGTCTGAAGATTG CCACAAAGTATCCTGAAATCGCGGCATCTCATTTTGCCGGCAAGGGTGTCCATGTGGACA

TGGACTTGGTTTCGACGGGCAACACCTTGAAGGCAAACGGCTTGGAAGCAGTCGAACACA TCGTCGACATTTCCAGCCGCCTGGTGGTCAACAAGGCTGCTTTGAAAACGAAATACGCGC TGCTGGAGCCGATTATTCAGGCGTTCGGCGGCGCAGTGAAGGCGAAGTAAGCATCCATTT GAATAAAGATGCGTTTTCAGACGACCCTATCCGTTCCCGCCGACAGGTCGTCTGAAAATA TCACCGGCAGTAAACTGTATAGGAGAAGTTAAAATGGTTGCAAAAATAAAAAATTCTCA GATTCAACCCTTTCCGTTTTGAATAACGGCGAGCGTCGGTTTTATGTCTATTGTCTGACC GACCTGAAAAAAGACAAAATCCTCTACATCGGCAAAGGCTGCGGTAATCGTATCTTCGAG CTCAAAGCCATCTCCAAATGCAAGAAACTCGGTCGCTATATCATCAGCTATCATCTGACT GAAGTCGAAGCACTCGCCGCAATCTGCCTTAATTCATTTTGTTAAATCTGTCTTGGGT AAAAAACTCAAAAATAAAATTGCCGGGCATGGTCCGGGTGGTATTAGCGTAGAAGAACTA GATCGCCGCTTTGGATTCTCTCTCTCCCACTTAACGAGATTAACCCCGACGGGCTGATT CTCGCCATCAAAATCCACAATGCTTTCGATTTAGATACTGACGAAGAATTAGACTACCTT TTCGACAACCAAGACGATGCCAACCTCAAATCGCGTACGTTGGGCAACTGGGTTATCGGT ${\tt AAAGATGTTGCTTCAAAAGTGAAATACGTTATCGGCGTTCACACCGGTCTGCAAAACGCT}$ GTTGTCAGTGCATACGAAGTGGACGGTTTTGAAACAATGGTTGAGGAAACCAAAAACGGT AGAAAACAATCCCGTTACCGTTTCCGCACTACCTCTCGTAGCGAAGAGGTATTAGCCAAA CTCGGTCTGCAACAAAAATGCCTGCCCGAATTGAAGTTTGGTAGCGGGGGAGAAAAAGCG TATATCAGACCCAAAACAGAGACAGAAACTGAACAAGAGAATATTCAGACGACCCCCAAT CCAAAAATAAAAAAGGAAAAAACCAAATCATGAAAAAACTCAACACCCAATCGCCCGATT TCCAAGCCGGACTCAAAGCCCTGCTGGCTTTTGAAACCGCGCAAAACCCCGAAACCGAAC ACACCAACAAATTCGATCAGACAAACGCTAAAAGCATCGATGATTTAATACTCACGCAAG CCGATTTGAACGCGGCGTTCGAGCGCATTCCGAACGACGTTCAGACGGCATTGCAGACCG CCGCCCGCCGTGTCGAAAGCTACCACCAACGCCAAAAAATGGAATCGTGGAGCTACACCG ATGAAGACGGCACGCTGTTGGGACAACAAATCACACCGCTTGACCGCGTCGGCATTTACG TCGCAGGTGTGAAAGAAATCATCATGGTCGTGCCGACACCAAAAGGCGAACGCAACGACA AGGCGGTTGCCGCCTCGCCTACGGCACGGAAACCATCCCCCAAGTCGATAAAATCACCG GTCCGGGCAACGCCTTCGTCGCCGCCGCCAAACGCCGCGTGTTCGGCGTGGTCGGCATCG ACATGGTGGCGGGCCGTCTGAAATCCTGGTCATCGCCGACGGCACGACACCTGCCGATT GGGTGGCGATGGATTTGTTCAGCCAGGCCGAACACGACGAAATTGCCCAAGCCATCCTCA TCGGCACGTCGCAAGCGTATCTCGACGAAGTAGAAGCCGCTATGGACCGCCTGATCGAAA CTATGCCGCGCGCGACATCATCGAAGCCTCGCTCGGCAACAGGGGCGCGATGATACTCG CCAAAGACTTGGACGAAGCCTGCGAAATCGCCAACTACATTTCCCCCGAACACTTGGAAC TGTCAGTCGAAAACCCGCAGGAATGGGCGAAAAAAATCCGCCACGCCGGTGCGATTTTCA TGGGACGCTACACCGGCGAAAGCCTCGGCGACTACTGCGCCGGTCCAAACCATGTGTTGC CCACCAGCCGAACCGCCCGCTTTCCTCGCCTTTGGGGACATATGATTTCCAAAAACGCT CCAGCCTGATTCAGGTTTCGGAACAGGGCGCGCAAAAATTAGGCGAAACCGCCAGCGTGC TGGCACACGGCGAAAGCCTGACCGCCCACGCCCGCGCGCAGAGTTCCGTATGAAATAAT CCTTCATCCGCGACGACATACAAGCTATGTCGGCATATCAGATTGCCGACGTTCCGCCCG GCTTTGCCAAACTCGATTCGATGGAAAGTCCCGTCCACCCTTTTGCCGGACATGAAACGC CCGGCAGCGGTTTACAGGAAGCATTACGTTCGGCGTTCGACATTCCCGACTGCGCCGACA TCGCGCTGGGCAACGGTTCGGACGAACTGATACAGTTCATCACGATGCTGACCGCCAAAC CGGGCGCGCAATGTTGGCAGCCGAACCCAGTTTCGTCATGTACCGCCACAACGCCGCGC TGTACGGCATGGATTATGTCGGCGTTCCACTGAACGGAGATTTCACCCTCAACCTGCCCG CCGTCCTCGAAGCCGTCAGGAAACACCGCCCTGCCCTGACCTTTATCGCCTACCCCAACA ACCCCACCGGCGTATGCTTCACGCGTGCCGAAATCGAAGCCGTCATCGAAGCTTCAGACG GCATCGTCGTCGATGAAGCCTACGGCGCATTCAACGGCGACAGCTTCCTGCCGCAGG CAGGCAGGATTCCCAACCTGATAGTCTTACGCACCCTCAGCAAAATCGGTTTTGCCGGAC TGCGTATCGGTTATGCGGCAGGCTGCCCCGAAGTCATCGGCGAACTGCAAAAAATCCTGC CGCCCTACAATATGAACCAATTGAGCCTGACCACTGCCAAACTCGCCCTGCGGCACTACG TGGGCAAAATATGCCGTCTGAACACCTTTTCAAGTCAGGCAAACTTCATTACCATACGCG TGCATGGCGCGCACCCGCTTTTGGAACACTGCCTGCGCATTACCGTAGGCAGCCCCGCAC GAATTTGACTAAAACACAACGCCAACTGCACAACTTTCTGACCCTCGCCCAAGAAGCAGG TTCGCTGTCCAAGCTCGCCAAACTCTGCGGCTACCGTACCCCCGTCGCACTCTACAAACT CAAACAACGCCTTGAAAAGCAGGCAGAAGACCCAGATGCACGCGGCATCCGTCCCAGCCT CGAACGCACTGTCCCCGAAACCGCCGCAGAAAGCACCGGAAACTGCCGAAACCCAAATTGC CGAAACCGCATCTGCCGCCGCCGCCGCGCGTTACCGTCAACCGCAATACCTGCGAAAC CCAAATCACCGTCTCCATCAACCTCGACGGCAGCGGCAAAAGCAGGCTGGATACCGGCGT ACCCTTCCTCGAACACATGATCGATCAAATCGCCCGCCACGGCATGATTGACATCGACAT CAGCTGCAAAGGCGACCTGCACATCGACGACCACCCGCCGAAGACATCGGCATCAC ACTCGGACAAGCAATCCGGCAGGCACTCGGCGACAAAAAAGGCATCCGCCGTTACGGACA TTCCTACGTCCCGCTCGACGAAGCCCTCAGCCGCGTCGTCATCGACCTTTCCGGCCGCCC CGGACTCGTGTACAACATCGAATTTACCCGCGCACTAATCGGACGTTTCGATGTCGATTT GTTTGAAGAATTTTTCCACGGCATCGTCAACCACAGTATGATGACCCTGCACATCGACAA .. CCTCAGCGGCAAAAACGCCCACCATCAGGCGGAAACCGTATTCAAAGCCTTCGGGCGCGC CCTGCGTATGGCAGTCGAACACGACCCGCGCATGGCAGGACAGACCCCCTCGACCAAAGG

CACGCTGACCGCATAAAAAACCATACCGTCTGAAACACCCGCAGGCTTTTCAGACGGTAT CGGAACAGATAAGATTACACTACACTACAAACAGAAAAGGAGTAAACATCATGTCCGCAA ACGAATACGCACAAATCGGCTGGATAGGCTTAGGGCAAATGGGTCTGCCTATGGTAACGC GGCTCTTGGACGGCGCATCGAAGTCGGCGTATACAACCGCTCGCCCGACAAAACTGCCC CCATCTCCGCCAAAGGCGCAAAAGTTTACGGCAACACCGCCGAACTCGTCCGCGACTATC CCGTCATTTTCCTGATGGTTTCCGACTATGCCGCCGTGTGCGACATCCTGAACGGAGTCC TCGCCGTCAAAGCACTTGTCGAAGCCGCAGGCGGACAGTTTGCCGAAGCACCCGTTTCCG GATCGGTCGGGCCCGCCACCAACGGCACGCTGCTGATTCTGTTCGGCGGCAGCGAAGCCG TTTTAAACCCGCTGCAAAAAATATTTTCCCTCGTCGGCAAAAAAACCTTCCATTTCGGCG ATGTCGGCAAAGGTTCGGGCGCGAAACTCGTCTTGAACTCGCTCTTGGGCATTTTCGGCG AAGCGTACAGCGAAGCGATGCTGATGGCGCGGCAGTTCGGCATCGATACCGACACCATCG TCGAAGCCATCGGCGGCTCGGCAATGGACTCGCCCATGTTCCAAACCAAAAAATCCCTGT GGGCAAACCGCGAATTCCCGCCCGCCTTCGCCCTCAAACACGCCTCCAAAGACCTCAACC TCGCCGTCAAAGAGCTTGAACAGGCAGGCAACACCCTGCCCGCCGTCGAAACCGTTGCTG CCAGCTACCGCAAAGCAGTCGAAGCCGGCTACGGCGAACAGGACGTTTCCGGCGTTTACC TGAAACTGGCAGAACACTGATTGCCTTTTCCAAACACAATGCCGTCTGAACATATTTCAG ACGGCATTTTTATCACCCCACGCTTAAAATCAGTCCCGATTATGACTATATAGTGGATTA **ACAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCA** CTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTA CTGGTTTTTGTTAATCCACTATAATCCGCACAAATTTAGTCAATATCAAGACCAATTATG AACCAACTCGACCAACTTGGCACCCGTATCAACCTGATTTGCAATGTCTTCGACAAATGG **ATCGGGCAGCAGGATCTGAATTACAACCTCTTTGCCGTACTTTATACCCTGGCAACCGAA** GGCAGCCGCACACAAAGCATATCGGCGAAAAGTGGAGCCTGCCCAAACAGACCGTTTCA GGCGTATGCAAAACCCTTGCCGGACAAGGGTTGATTGAATGGCAGGAAGGCGAACAGGAC CGGCGCAAACGGTTGCTGTCGTTGACCGAAACAGGCAAAGCCTATGCCGCACCTTTAACA GAAAGCGCGCAGGAATTCAGCGACAAAGTATTTGCCACATTCGGCGACAAGCGCACAACT CGGCTGTTTGCCGATTTGGATGCACTGGCTGAAGTGATGGAAAAAAACAATCTCGGAAAAT **AAAAATAGGGGGGCAAATATGTGGAAAATGTTGAAACACATAGCCCAAACCCACCGCAA** GCGATTGATTGGCACATTTTCCCTGGTCGGACTGGAAAACCTTTTGATGCTGGTGTATCC GGTGTTTGGCGGCCGGCGATCAATGCCGTGATTGCGGGGGAGGTGTGGCAGGCGTTGCT GTACGCTTTGGTTGTGCTTTTGATGTGGCTGGTCGGTGCGGCGGGTTGCCGATAC GCGCACGTTTACGCGGATTTATACCGAAATCGCCGTGCCGGTCGTGTTGGAACAGCGGCA ${\tt GCGACAAGTCCCGCATTCGGCGGTAACTGCGCGGGTTGCCCTGTCGCGTGAGTTTGTCAG}$ CTTTTTTGAAGAACACCTGCCGATTGCCGCGACATCCGTCGTATCCATATTCGGCGCGTG CATCATGCTGCTGGTGCTGGAATTTTGGGTCGGCGTGTCGGCGGTGGGCATACTTGCGTT GTTTTTATGGCTTTTGCCACGTTTTGCCGCCATCAGCGAAAACCTGTATTTCCGCCTGAA CAACAGCTTGGAACGCGACAACCACTTTATCCGAAAAGGCGACCGGCGGCAGCTGTACCG CCATTACGGACTGCTTGCGCGCCTGCGTGTGCTGATTTCCAACCGCGAAGCCTTCGGCTA TCTCTGCGTCGGCACGGCGATGGGTATTTTGTTCGGCTTTGCTTTTGTGATGATGACGCT CAAAGGCTACAGCAGCGGGGCATGTCTATTCGGTCGGCACTTATCTGTGGATGTTTGC CATGAGTTTGGACGACGTGCCGCGATTGGTCGAACAATATTCCAATTTGAAAGACATCGG ACAACGGATAGAGTGGTCGGAACGGAACATCAAAGCCGGAACTTGAAAAATGCCGTCTGA GACAAGTTTGGCAAACAACTTTTCAACAGAAGCTTCCGCCTGCAAACCAATGCGCTGGAT CAACAAATCATCACTGGTCGAAATCTCGTCAATCAAGTTCAACGCCAACGCCTGCCGACC GAACCAATGCTCGCCCGTTGCCACTTCCTCAATATCCAATTGAGGGCGGTTCTCGCTGAC AAACTGCTTGAACAACTGATGCGTTTCCTCCAGTTCCTGTCGGAATTTCTGTTTGCCCTT CACATCAATATCATGTTTTTTCAACAGGCGGTGGATATTCGGTACTTCCGCCACCACACC CACCGAACCGACAATCGCAAACGGAGCGGAAGCAATTTTATCCGCCACACACGCCATCAT ATAACCGCCGCTCGCCGCCACCTTATCGACGGCGACGGTCAGCGGAATATTGCGTTCGCG CARACGCCTARGCTGCGARGCCGCCARACCGTARCCGTGARCCACGCCGCCCGGACTTTC CARTCTGAGCAGAACCTCATCTTCAGGCTTGGCAATCAAAAGCACCGCCGTAATCTCATG ACGCAAGGATTCTACGGCGTGTGCATACAAATCGCCGTCAAAATCCAACACAAAAAGGCG GGATTTTTGCGTTTCGGCAGATTTCTCCCCACCCTCCTTCAAACGCTTTTTCTCTGCTTT GGCTTCCGCCTTTTCCTTTTTCCTCTTTTTCCTGATGTTTTGCCTCTTCCCCGCT TAAAAAGAATGCTTCAAACGATTGCCGCTGTTTTTTATAATTTTCCGAAAAATCCGTCAG TACGACACTGCCGCTTTCCGACTGTTTCTTACTCTGTACGATAGCCAACACAATCAGCGC AATTGCGCCGAACACGGTAAGCAGTTCGAGCAGGAAAATACCGTAATTCAGTAAAATTTC TTTCCACATTGATTGGATTTCCTCTTGTTCAGGCATGAACATGTCAATATTGTCCATCAC CGTCCGACAGATAAAAAATAACCGCTTGGAGCGGCATTGTCATTTTCAGCTTGGTGCCC GGAGCCGGAATCGAACCGGCACGGGATGTTTAGTCCCGACGGATTTTAAGTCCGTTGTGT GGCCTGTATGAAGATTGCACTCCTCATAGCATAAACACTCTGCCACCCCGCCATAGTACG ATAATGGAGGCGAGATCGGAATCGAACCGGCGTAGACGGATTTGCAATCCGCTGCATAA CCACTTTGCTATCTCGCCCTAAAACTGGCTTATCTAAAAAACTTGGAGCGGGAAACGAGT CTCGAACTCGCGACCTCAACCTTGGCAAGGTTGCGCTCTACCAACTGAGCTATTCCCGCG CGTTCAAACATATCGGTTTTTGGAGCGGGAAACGAGTCTCGAACTCGCGACCTCAACCTT GGCAAGGTTGCGCTCTACCAACTGAGCTATTCCCGCGTTGATATGTTTGAAATAAAACTT GGAGCGGGAAACGAGTCTCGAACTCGCGACCTCAACCTTGGCAAGGTTGCGCTCTACCAA CTGAGCTATTCCCGCAATGATTGCGGAAGAATGAAATTTTTGGAGCGGGAAACGAGTCTC TTTCATTCTCCGATATCGAAGAGACACAATTATTATGGATTCTGTTTTTGCCGTCAAGCT

ATTTTTATGTTTTTTCAGGCGATTTCTTTCCACGCCATTTTCAGATAATACAGCATCGA CCAGACTGTCAGCAAAGATGCGATAAACATCAATACATTGCCGATGAATGCGAGGTTAAA TCCATAAAAATCGGGAAAATTCAGCAGCAGCAGGAAGATTGCCAGCATTTGCGCGGCGGT TTTAAACTTACCGACGGTGGCGACGGCAACGCTGTTCCTTTTGCCCCATTTGCGCCATCCA GGTCCGGTCGAGTTTGACCAGTAAAAGCAAAGAGACGGCGACCATCAGCTTGTCGGCAAC GGGATCGAGGAAGGCGCCGAAATCCGAGGTCTGTTTCCACAACCTTGCCAAAAATCCGTC AAACCAGTCGGTCAAGGCGGCAACGGCAAAAATGACGGCGGCGGTGAGATTAATCGTTTC CTCCGCGAACCACGGAAAAGGCAGGTAAAAAAGGGCTGTCAGGACAGGAATGAGCAAGAC CCTCAACCATGTGAGGAAGATGGGGAGATTCCAAGGCATCGGTTTTCTCTGTGCAGACTG TAAAGTTGTGATTATAACGGTTATCCTCATAACCCAAAACGTAAAATTGCTGCATGGGCA TTCCCCCGCCCGCCAATCTGTTTTCACATTCTTTTCAAACGCAGGAAAATGGCGGGCAA TAAAAGCAAAATACCCAGTTTCAGGCTGAAAACGGCAGGTTGTGCCAACACTTCGACAAG GCGGTCTTCCGTGCGGGCAAAATCTTTATTGCTTATAGACACTGCCACTGTTGCGGTATT CCAACAGAACGCCGTTTAAAAAACCTTTGCCGACGGTTTCGCTTAAAACGGCTCTAACCT GCTCCGCCCTGATGGTTCTGCCGATATTGCCGCCTGTGCACAAACTGTCGAACCCATAGC AGGAAAGCCGGTAATGCTGCCCGTCTGCATCCAGTTTGATTGCCCGTCCGCTGCGGTTGA GGGCGGTAACGGTCAATTCCGCATATTCGAATGTTTTTTCTTGTTCGTGAAATGCCGTCA GGTAAGGTGCAATAAAAACGGCGGACAACAGCAGACAGCTTATGGCGGCAAACCATACCC AGCGATAATATAGTGGATTAAATTTAAACCAGTACAGCGTTGCCTCGCCTTAGCTCAAAG AGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGT CTGCGGCTTCGTCGCCTTGTCCTGATTTAAATTTAATCCACTATATTTCACGCTTACCCC TTGTTTCTCAAA TGCCGTCTGAAATAAGCGGCTTAATATATTGTTTACAGTATTGGGAAG CATAACAGACAAAATGCCGTCTGAAATATTTTCAGACGGCATTTCTTATCCGAAACGGAT TATTTTTGCGTTTCAACCGCTTCCAATGCACGCAGGGCATAAGTGTAAGCGGCACCCGCA GTGGCGGCGGCGTGAACACTGATGCAGCTCTCACAACGTGTAGTAATGGCAACGGCG ATGGCAATCAGTTCGCGTGTTTTAGCATCAAGTGCCTCTGCAGCTGCCGCTTGTTCCAAT GCGCCGTAGGCCTGCAGCATTTTAGGATGCGCCTTACCCAGCTCGCCGAACGATTTTTTA ACCAATGCGGTATGTTCTTTCCAATCTTTAAACATTTTCTTTTCCTTTCTCTTGCGTTTA ACCCTGATACGCGCTTGCGTATCTGTTTTCGATGTGCGTATTATTGCAATTATTCAGTTG TGTTTCTCGTTTAATCATCTCATTTTATGGTTCAAAAAGATTTATGGACATTCTGGACAA ACTGGTCGATTTCGCCCAATTGACGGGCAGTGTGGATGTGCAGTGCCTTTTGGGCGGACA ATGGTCGGTACGGCATGAAACCTTGCAACGCGAAGGATTGGTACACATTGTTACATCGGG CAGCGGCTATCTCTGCATCGACGGCGAAACTTCCCCGCGTCCGGTCAGTACAGGGGATAT TGTATTTTCCCGCGCGGCTTGGGTCATGTGTTGAGCCACGACGGAAAATGCGGAGAAAG TTTACAACCGGATATGCGGCAGCACGGTGCGTTTACGGTCAAGCAGTGCGGCAACGGACA GGATATGAGCCTGTTTTGCGCCCGTTTCCGCTACGACACCCACGCCGATTTGATGAACGG GCTGCCTGAAACCGTTTTTCTGAACATTGCCCATCCGAGTTTACAGTATGTGGTTTCAAT GCTGCAACTGGAAAGCAAAAAACCTTTGACGGGGACGGTTTCCATGGTCAACGCATTGTC GTCCGTCCTGCTGGTGCTTATCCTGCGCGCCTATCTCGAACAGGATAAGGATGTCGAACT CTCGGGCGTATTGAAAGGTTGGCAGGACAAACGTTTGGGACATTTAATCCAAAAGGTGAT AGACAAACCGGAAGACGAATGGAATGTCGACAAAATGGTGGCGGCTGCCAATATGTCGCG CGCGCAACTGATGCGCCGTTTCAAAAGCCGGGTCGGACTCAGCCCGCACGCCTTTGTGAA GGTCGCACTGTCGGTAGGCTTTCAGTCGGAAACGCACTTCGGCAAGGCGTTCAAACGGCA AAACGCAAATGCCGTCTGAAAAGGCTTTCATACAGCATTTGCGTACCGCGTCATTTCAAG GGCTGCATCTTCATCACTTCCATCAAAAAGTTGGTAAATGCGGGGTTGTTGGGTTTGACA TCCATATTTTTCCAACGCTGCTGCCAGCCGCGCAAGGCATTCTGGATATACAGCTTGGAC TGTTCCGTATTGATTGCGCCCGCTGGCTGTCTATCGCCGAACGCAGGTAGATTTCATAC ATACTGTCATCGACGGCATTGCGTCCGACCAGGCGTTTTCTGAAGTTGTTCAGATATTGC GCCGCCTGAACCTTGGTCATTTTACCGATACCCACCTGATAGCCCAAGCGCGTCGCTTCA TCGCTGATTTTGGCAACATCCGTCCAATGCGAAGAGGCAAGGCGGAAACCTTTTGCAGGT GCTTCCGTTTTGACGGTATTGATAGGATTCACGGGGATTTCCGTCAATGTGGGCACATAA ATAGACTGGCAGCCGGAAAGAACTGCCGCAATGGAAAGAGGGATAAGGTATTTTTCATG TCGGCATCAGAAGCAGGCAAAAACACATTCCACAAGCCTTGCCGCAAGGTTTACAATCCG ${\tt ACCGTCCTTATCGCAACGACCGTTTATGGATACCGCAAAAAAAGACATTTTAGGATCGGG}$ CTGGATGCTGGCGGCGGCCTGCTTTACCATTATGAACGTATTGATTAAAGAGGCATC GGCAAAATTTGCCCTCGGCAGCGGCGAATTGGTCTTTTGGCGCATGCTGTTTTCAACCGT TGCGCTCGGGGCTGCCGCCGTATTGCGTCGGGACACCTTCCGCACGCCCCATTGGAAAAA CCACTTAAACCGCAGTATGGTCGGGACGGGGGGGGATGCTGCTGCTGTTTTACGCGGTAAC ATTTTCCTTCCTGATTTTGAAAGAACGGATTTCCGTTTACACGCAGGCGGTGCTCCT TGGTTTTGCCGGCGTGGTATTGCTGCTTAATCCCTCGTTCCGCAGCGGTCAGGAAACGGC GGCACTCGCCGGGCTGGCGGCGCGCGCGATGTCCGGCTGGGCGTATTTGAAAGTGCGCGA ACTGTCTTTGGCGGGCGAACCCGGCTGGCGCGTCGTGTTTTACCTTTCCGTGACAGGTGT GGCGATGTCGTCGGTTTGGGCGACGCTGACCGGCTGGCACACCCTGTCCTTTCCATCGGC AGTTTATCTGTCGTGCATCGGCGTGTCCGCGCTGATTGCCCCAACTGTCGATGACGCGCGC CTACAAAGTCGGCGACAAATTCACGGTTGCCTCGCTTTCCTATATGACCGTCGTTTTTTC CGCTCTGTCTGCCGCATTTTTTCTGGGCGAAGAGCTTTTCTGGCAGGAAATACTCGGTAT GTGCATCATCCTCAGCGGTATTTTGAGCAGCATCCGCCCCACTGCCTTCAAACAGCG -GCTGCAATCCCTGTTCCGCCAAAGATAAAAAATGCCGTCCGAACATCCTTCAGACGGCAT ATCGGGCTTTATTTCCCCGCCTTCACATCCTGCCACTGGCGCACCATAAACTTCAATGCC

GCCGCTGGATAGGCACCATGATAAAGCTGTTTTTCAAATCCTCCTCGGTTGGGAAAATC GTATTGTCGTTTTTAAATTCGTCTTCCATCAGCTCACGCGCAGGCTTGCTCGAAGGCGCG TAAGTAACGAAATTGCCGTTTTTCGCCGACACTTCCGGGTCGAGGAAGTCGTTGATGTAT TTGTGCGCGTTGGCGACGTTTTTCGCATCTTTCGGAATCACGAAAGAATCCACCCAAATC CGGCGTTTGGCGATGTTCAAATCGCCGCCGAAACCGATTGTTACGCAGGTATCGCCGCGC GCCAAATCATCGATAAAGCCGGACGAAGTAAAGCGTTTGATATTGGGGGGGTTTTTCTTG AGTAGGGCGGTTGCCTCCCTGATGTCTTCCGTATTGCTGCTGTTCGGGTTTTTACCCAAA TAGTTCAACACCATAGGATAGATTTCCGCCGCGCTGTCCAAATAGCTGATGCCGCATTGC TTGAGTTTGGACGTGTATTCGGGGTCGAACACCAAATCCCACTGGTTGTCCGGCAGCTTG TCCGTACCCAAAGCCTTTTTCACGCGTTCGGTATTGATGGCGAAGGTATTTGTCCCCCAA TAAAACGGCACGGCGTATTCGTGGCCGGGATCGACCCCGTCCATCACCTCATCATTTCG GGGTTGAGGTGTTTATAATTGGGAATCAGCGACTTATCGATTTTCTGATACGCACCTGCC TTAATCTGCCTGCCCACAAACGCATTGGACGGCGCGACAATGTCGTAACCGGACTTGCCT GTCAGCACCTTGCTTTCCAGCGTTTCATCGCTGTCGTACACATCATAAGTAACCTTGATG CCGTTTTCTTTCAAAATCGGCAACGGTTTCCGGATCGACATATTCCGACCAGTTGTAA ATTTCAATACGTTTTGGTTTTCCGCCGGTGCCGGTTTTTCGGCAGGCGGTTTGTCCGAA CCGCCGCACGCTGCAAGCAGCAAAGCAGTCAGGACGGCCAGGGGCAGATGTTTGGTCATT **ATCATTCCTTGCATATCGGGTTGGAGAAAGCGGCCATTATAGCCGATATTGGCAACAGGG** CTTCAGACGGCATTCAAAATCCCGCCACACTCTTCCGAAAACCGCCGCTTCCATAGCTAG **AAACAGGGATTTGCGGTAAGATACCGCCGTTCGTTTTCCCTGCTTTTACCATGACAAGAC ATTTGAGAGACATTGAAAAATTATGAAAACCTCCGAACTGCGCCAAAAATTCCTAAAAT** TTTTTGAAACCAAAGGCCACACCGTCGTCCGCTCTTCCAGCCTCGTGCCGCACGACGACC CGACCCTGCTGTTTACCAACGCGGGCATGAACCAGTTTAAAGACGTATTCTTAGGTTTCG ACAAACGCCCGTACAGCCGCGCCACCACCGCGCAAAAATGCGTACGCGCAGGCGGCAAAC ACAACGACTTGGAAAACGTCGGCTACACCGCCCGCCACACACCTTCTTTGAAATGATGG GCAACTTCTCCTTCGGCGACTACTTCAAACGCGACGCCATCCACTTCGCTTGGGAATTTC TGACTTCCCCGAATGGCTCAACATCCCTAAAGACAAACTGTTGGCGACCGTTTACGCGG **AAGACGACGAAGCCTACAACATCTGGTTGAACGAAATCGGTATGCCGTCCGAGCGCATCG** TCCGCATCGGCGACAACAAGGCGCGAAATACGCATCCGACAACTTCTGGCAAATGGGCG **ACACCGGCCCTTGCGGCCCCTGCTCCGAAATTTTCTACGACCACGGCGAAGAAATCTGGG** GCGGCATTCCCGGCAGTCCCGAAGAAGACGGCGACCGCTGGATCGAAATTTGGAACTGCG TATTTATGCAGTTCAACCGCGACGAACAAGGCAATATGAACCCGCTTCCCAAACCTTCCG TCGATACCGGTATGGGCTTGGAACGCATAGCCGCCGTCATGCAGCATGTTCACAGCAACT ACGAAATCGACTTGTTCCAAGACCTGCTCAAAGCCGTTGCCCGCGAAACCGGCGCGCCGT TCAGAATGGAAGAACCCAGCCTGAAAGTCATCGCCGACCACATCCGCTCCTGCTCGTTCC TGATTGCAGACGGCGTCTTGCCTTCCAACGAAGGCCGCGGCTACGTATTGCGCCGCATTA TCCGCCGCGCGTGCGCCACGGTTACAAACTGGGTCAAAGCAAACCGTTCTTCCACAAAC CCCAAATCGAAGAAGCATTGAAAAACGAAGAAAGCCGTTTTTGCCCAAACGCTGGAAACCG GTATGGCTTTGTTGGAAAACGCGCTGGTCAAAGGCGGCAAAACACTCGGCGGCGAAATCA TCTTCAAACTCTACGATACCTACGGTTTCCCATACGACTTGACTGCCGACATCTGCCGCG AACGCAATATCGAACCGGACGAAGCAGGCTTCGAGCGCGAAATGGAAGCCCAACGCGCAC GCGCACGCCCCCAAAGCTTCAAAGCCAACGCCCAACTGCCTTATGACGGTCAAGACA CCGAGTTTAAAGGTTATAGCGAACGCCAAACCGAATCCAAAGTCCTCGCCCTCTACAAAG ACGGCGAGCAAGTCAACGAATTGAACGAAGGCGACAGCGGCGCAGTCGTCATCGACTTTA CCCCGTTCTATGCAGAATCCGGCGGCCAAGTCGGCGATGTCGGCTATATCTTCTCAGGCG AAAACCGCTTTGAAGTACGCGATACCCAAAAAATCAAAGCGGCCGTATTCGGTCAATTCG GCGTACAAACTTCAGGCCGTCTGAAAGTCGGCGACAGCGTTACCGCCAAAGTGGACGACG AAATCCGCAATGCCAATATGCGCAACCACAGCGCAACCCACTTGATGCACAAAGCCCTGC GCGATGTATTGGGCAGACACGTCGAACAAAAAGGCTCTTTGGTTACCGCCGAATCCACCC GTTTCGACATTTCCCATCCCCAAGCGGTAACTGCCGAAGAAATTGCCGAAGTAGAACGCC GCGTCAACGAAGCCATTTTGGCGAACGTTGCCGTCAATGCAGCCATTATGAGCATGGAAG **ACGCGCAAAAAACCGGCGCGATGATGCTCTTCGGCGAAAAATACGGCGAAGAAGTGCGCG** TACTGCAAATGGGCGGTTTCTCTACCGAATTGTGCGGCGCACACACGTTTCACGCACCG GCGACATCGGCCTCTTCAAAATCATCAGCGAAGGCGGTATTGCCGCAGGCGTGCGCCGTA TCGAAGCCATCACCGGCCTGAACGCACTCAAATGGGCGCAAGAGCAAGAGCGTTTGGTGA AAGACATTATTGCCGAAACCAAAGCCCAAACCGAAAAAGACGTACTGGCAAAAATCCAAG CAGGCGCGCACACGCCAAAGCATTGGAAAAAGAATTGGCACGCGCCAAAGCCGAACTCG CCGTCCACGCAGGCGCCAAACTCTTGGACGATGCAAAAGACTTGGGCGCAGCCAAACTCG TTGCCGCCCAAATCGAAGCCGACGCAGCCGCCCTGCGCGAAATCGTTACCGATTTAACCG GTAAATCCGACAACGCCGTGATTCTTTTAGCGGCAGTAAACGACGGCAAAGTCTCCCTGT GCGCCGGCGTATCCAAACCGTTGACCGGCAAAGTGAAAGCAGGCGATCTGGTTAAATTTG CAGCCGAACAAGTCGGCGGCAAAGGCGGCGGCAGACCAGATTTGGCGCAAGCCGGCGCA CGGATGCCGACAAATTGCCCGCCGTGTTGGATAGCGTGAAAGACTGGGTCGGCGCGAAGC TGGTTTGATGTGGGAAAGGCAGCCTGAAAGGTTTCAGGCTGCCTTTTGTGCAAAGAGGCC GTCTGAAAGGTCTCGTTTGCCGTAGGTTGGGTCGCGACCCAACAATTTTGTGAAGTATA **AAAATGTTGGTCATGACCCAACCTACCTGCCTTTTTGTACAAAGAGGCTATCTGAAAGGC** CTTGTTTGCCGTATGGTGGGTCGCGACCCAGCAGATTTTTATTAGGGTATGACCCAAGCT **ACTTGCTACGATAAAAAAGGATTTTTAAATGAGCATTAGCCTTATTGGACTACACATTAC** CATAGCAATCATTTGTTTTTTACTACAAATTTTATGGGAAAAAATCATCTATATTTGG CTATTACCAACTGTCTTTTAGCGAAGAAATCACTCTCCGGCATTTAATATTTTTTACAG **TCCCATTTCTCTTGAAAAGATAAACTATGTAGTAATTTATTATTTTTATAATTAGATTGTT** ATCTGTATTTGTTTTTGAGAAAACACACATAGTTAACTGGTTTAATCAACTAACAATACC CATACTATCCATAACATTATCATTTATAGTATATAACAAAATGATTTTGCCCAAAAGTTT TCTACTTCCATCCTCACAAGAAGTAGCTACTACTTTTTGAATAGCGCTTGGTGGTTACAT ATATAATATTAAATAATGAATCAGGGCATTTAAAATCTTATAAAGAAGAAGAAGATAAA TTATGTAAAACACATGCACAAAAATTTGAAAGTTATTTTGGTAAAATTATAGATAAAAT **AATCAAAGAGGATAGTTATAATAATGATGATTTTTTAACCGATAAGAAAAAAGCACTAAT ATATTCAGTTTTAATTTATGAGAATTTTAATAGGGGACTAGTTTATAGATATTTTGAAAA AAATTATTTTGTACTGGTAGAATAAAAACATTTGGAATAATGCAAGTAACCTCAGCAGAG** TACCTTTCCAATGAGGAAAGTATAAAAAAAGGCGGAAATATTCTTATGGAAAAATACAAT GAAAAATATAATGAATCTATTGATGGCAATAAAACTCTCTATAAATCATATTATGAATCA AGAAGAGAGAGTATTAAAAACTACAACCCAGATGCAAAATACATTAATGAAATTGAATCA ATTTACATGATGCTTGGAGAAATCTATCCAAATGCACCAGACTTCATGTCACCACATTTT GATTTGTCGGGCATAAATGCCCGACCTACAAATTCAATTTTTTCAAACCTCTGCCAAATA TTTTCATCTTTGCAAGGCTGTCTGAAAACCCAAACCCCATTTTCAGACGGCCTTTTTTCG CTAAAATCCCCATACCGTTCAATCCGAAAACACAGGAGAATCATCATGGAAGTTACCATC TCCGCCATCATCAATGGCGAATTTGCCGACCAATACGGCAAGCGCGGTAGTCAGTTTAAT GAAAACGGGATGCTGATTTAATTCTATTTCCTTTGAAACTACCAATAACCTGCCTCCATC ACACCCTACCTGCGGGCGACGCAAACCTTAAGAGACCTTTGCAAAATTCCCCAAAATCCC CTAAATTCCCACCAAGACATTTAGGGGATTTCTCATGAGCACCTTCTTTCAACAAACCGC CCAAGCCATGATTGCCAAACACATCGACCGCTTCCCGCTATTGAAGTTGGACCGGGTGAT TGATTGGCAGCTGATCGAACAATACCTGAACCGTCAAAAAACCCGTTACCTTAGAGACCA CCGCGGCCGTCCTGCCTATCCCCTGCTGTCCATGTTCAAAGCCGTCCTGCTCGGACAATG GCACAGCCTCTCCGATCCCGAACTCGAACACAGCCTCATTACCCGCATCGATTTCAACCT GTTTTGCCGTTTTGACGAACTGAGCATCCCCGATTACAGCACCTTATGCCGCTACCGCAA CCGGCTGGCGCAAGACAATACCCTGTCTGAACTGTTGGAACTGATTAACCGCCAACTGAC CGAAAAAGGTTTAAAAATAGAGAAAGCATCCGCTGCCGTCGTTGACGCCACCATTATTCA GACCGCCGGCAGCAAACAGCGTCAGGCCATAGAAGTTGACGAAGAAGGACAAATCAGCGG TCAAACCACCGAGTAAGGACAGCGATGCCCGTTGGATAAAGAAAAACGGCCTCTACAA ACTCGGTTACAAACAACATACCCGTACCGATGCAGAAGGCTATATCGAGAAACTGCACAT TACCCCGCCAATGCCCATGAGTGCAAACACCTGTCGCCGTTGTTGGAAGGTCTGCCCAA AGGTACGACCGTCTATGCCGACAAAGGCTATGACAGTGCGGAAAACCGGCAACATCTGGA AGTGCAAACCAAGCGTAACCGATATTTGTCGAAGACCCGTTATGTGGTCGAACAAAGCTT CGGTACGCTGCACCGTAAATTCCGCTATGCCCGGGCAGCCTATTTCGGACTGATTAAAGT GAGTGCGCAAAGCCATCTGAAGGCGATGTGTTTGAACCTGTTGAAAGCCGCCAACAGGCT AAGTGCGCCCGCTGCCGCCTAAAAGGCAGCCCGGATGCCTGATTATCGGGTGTCCGGGGA GGATTAAGGGGGTGTTTGGGTAAAATTAGGCGGTATTTGGGGCGAAAACAGCCGAAAACC TGTGTTGGGATTTCGGTTGTCGTGAGGGAAAGGAATTTTGCAAAGGTCTCCAGCAGTTTG CGCATACATGCCGTAACGGCAACCTTATACGGCTTACCCTCGGACAGCGGGCGTTGGTGG AAATCCCGAATAAGCGGTTCAAAACGTGTCGCTGCCACGGTAGCCATATACAGTGCCTTA AGCACCGCAGACCTTCCGCCAAAGCAGCGGCTTTTGAATTTGGCTTCCCCGCTCTTCCTC GGGTGCGGGCCAATGCCGACCAAACTCGCTATCCGTTTGTGCGACAGCCGCCCCAATTCA GGTAGCATCGCCATCAGCGTAGCCGTCGTTATCGAACCGATGCCTTTGATTTGCTCCGCC TCAATCAGCCGGTCAAAATGGGCAATCAGTTGTTTGACGCTTCCGACTTGCGTTTCGTGA ACCTGATGCAGACGGTTTTTCTCGGCAGTCCGCATATCCGCCGATTGGTTGCGGCGGTTA ACCAAGGCTTCCAACACTTCTTCCGCTTCTGTGGGCGGGTGGTAGGGCATGGTTTGCCAA GTTTTGGTCAGCGACTGCGATTGGGCAAACTGATGCGTCTGACGCGGGTTGGCGATAATC ACGGCTATGCCTGGTGGATGGCTTTGGCGGCGGGGATTTCGAGACCTCCGGTACTT TCCGTCACGACGAGGCGACCTTGTGTTTTTTAAGGTATTCGATAGTATGGGCGATACCT TTGGGGTTGTTGGTTTTGGTTTTAGACAAAGACGAAACGGCGATGACGAAGTTT CGTTTGGCGATGTCGATATAGTGAATTAACAAAAATCAGGACAAGGCGGCGAGCCGCAGA CAGTACGGATACTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTC TTCGAGCTAAGGCGAGGCAACGTCGTACTGGTTTTTGTTAATTCACTATATCTGTGCGTT ACGACGGCATGCCGTCTGAAGGGTGTTTATGTCTGCATCTAAGAAATTTCCGATTCCTTT GAGCTATTTCAGCATCGCGCTGGGCTTGTTTGCCTTGGGGCTGTCGTGGCGTTACGGCGC GTCTGTCGGGCTGCTGCCCGCCTTGGCCGCCGAATCGCTGCTTGCGGCGGCTTCGGTCGT CTGGCTCTTGCTGGTGGCGGCATACCTGATCAAAATGTTTGCGTACCGAAACGATTTTTT GTCTGATTTACGCGACTTGGTGCAATGCTGCTTCATCAGCGCGATTCCGATTACCGCTAT GCTGGAGGGACTCGCGCTGAAGCCCTATCAGGCAGGCGCGGCGGCAGTCCTGATTTATGT CGGCGTTGCCGGACAGTTGGCTTTTTCGATGTATCGGGCGGCCGGTCTGTGGCGCGGCCT GCATTCCTTGGAGGCGACGACGACTTATTTATCTGCCTACGGTTGCGACAAACTTTGT CAGCGCGTCATCTCTGGCGCGTTGGGGCATCATGATTATGCAGCTTTGTTTTTCGGCGC GGGTATGTTTTCCTGGCTGAGCTTGGAAGCCTCCATCTTGGGCAGGCTGCGCACGGCGGC CTGCGGCGCGTATTTTGCCGTCGGCGGTAAAGTCGACGGTTTTGCGTTGGCATTAATCGG CTACGGCTGCCTGCAGCTTTTGTTCTTGCTGCGCCTGACCCGCTGGTTTTGGGAAGGTGG TTTTACGATGAGCTTTTGGGGATTTTCATTCGGTTTCGCGGCAATGGCAGGATGCGGTCT GCATCTGGCGGCTTCCGGCGTATTGTCGGGCTTGGGGCTTGACGCTTGCCACCGCCGGATC GGCAGGCGTGGCGCTGCTTGTCGGTACGCTGCACCGGATAGCGACGGGGCGTTTCTT GGTACGCAGCTGATGCGTTTTGCCGCCTTGTCAAAAATGCCGTCTGAAACGCTGGGATTC AGACGGCATTTTTATTCACACCCTTACAGGTAGAATTTTTCGATGACTTTCAAATTGT CGTCCAATTTGTACACCAACGGCTGACCGGTCGGGATTTCCAAGCCCATAATGTCTTCGT

CGGAAATGCCCTCGATGTTTTTGCCAGCGCGCGCAGGAGTTGCCGTGCGCCGCCACCA AGACGCGTTTGCCGCTCAAAATCGCGGGGGCGATTTGGTCTTCCCAAAACGGCAATACGC AGCGGCGGTCTTTGTGTGCGGAAAACTCATCGTCTTTGTCCAAAAGCGGCGGCAGGGTGT TGTCCAGGCCTTGCAGTTGGCCGTAGTGGCGTTCGTTCAGCCGCCACGTTTTGATTTGCG GTACGAACAGTTGGTCGGATTCTTCCAAAACGATGTTGCAGGTCTTAATCGCGCGGGTCA CGGCAGCCTCGGCAAGCCCCTGCTCGCTCAGCTTCACGTCGCGCCAGCCTGTAAACAGGT TTTTCGCGTTCCATTCGCTTTGTCCGTGGCGGATAAATACCAGTTCCATATCGTCTCCAA TGTGTGAAAGTGGGAAAGCCTTATTTATAACATATTTTCACATTTCCCGTATTTGATTCA GATTCAGACACGCGCCCACTATGGTTTGCCGTTTTGATTTACAATAATGTCCTTTTGCTTT ACATTCCGCATACACAATGAATACGCAAGCGCACGCCCCACATACCGATTCCAATACGCT GATGCTCGGCCGATACGCCGAACGCGCCTATCTCGAATACGCCATGAGCGTGGTCAAAGG CATGCGCGATATGGGTTTGACGGCGGGGGGGGAAGCCGGTGAAATCGGCGCGCGTGGTCGG CGAGATTTTGGGTAAATACCACCCGCACGGCGACAGTTCCGCCTATGAGGCGATGGTGCG GATGGCGCAGGATTTTACCTTGCGCTATCCCTTAATCGACGGCATCGGCAACTTCGGCTC GCGCGACGGCGACGGGGGGGGGGGGGGGTGCGTTACACCGAAGCGCGGGTGACGCCGATTGC **GGAATTGCTGTTGTCCGAAATCAATCAGGGGACGGTGGATTTTGTGCCGAACTACGACGG** CGCGTTTGACGAACCGCTGCACCTGCCCGCCCGCCTATGGTGTTGCTCAACGGCGC GTCAGGCATTGCGGTGGGCATGGCGACCGAGATTCCGCCGCACAATTTGAACGAAGTGAC GCAGGCGGCGATTGCGTTGTTGAAAAAGCCGACGCTGGAAACCGCCGACCTGATGCAATA TATTCCTGCCCCGATTTTGCCGGCGGCGGTCAAATCATCACGCCGGCGGACGAATTGCG CCGGATTTATGAAACCGGCAAGGGCAGCGTGCGCGTGCGCGTTATGAAATCGAAAA ATTGGCGCGCGGACAGTGGCGCGTCATCGTAACCGAGCTGCCGCCGAACGCCAATTCCGC CAAAATCCTTGCCGAAATCGAAGAGCAAACCAACCCGAAACCGAAAGCGGGTAAGAAACA GCTCAACCAAGACCAGCTCAATACCAAAAAGCTGATGCTGGATTTAATCGACCGCGTGCG CGACGAGTCCGACGCGAACATCCCGTGCGACTGGTATTCGAGCCGAAATCCAGCCGCAT CGATACCGATACCTTCATCAACACGCTGATGGCGCAAACTTCGCTGGAAGGCAATGTGTC GATGAACTTGGTGATGATGGGTTTGGACAACCGCCCCGCGCAGAAAAACCTGAAAACGAT TTTGCAGGAATGGCTGGATTTCCGCACCGTAACCGTAACACGCCGTCTGAAATTCCGTTT GAACCAAGTGGAAAAACGGCTGCACATCCTCGAAGGCCGTCTGAAAGTCTTTCTGCACAT CGACGAAGTGATTAAAGTCATCCGCGAATCAGACGACCCGAAAGCCGATTTGATGGCGGC GTTCGGGCTGACCGAAATCCAAGCCGAAGACATTTTGGAAATCCGCCTGCGCCAGTTGGC GCGTTTGGAGGGTTTCAAACTCGAAAAAGAATTGAACGAGTTGCGCGAGGAACAAGGCCG TCTGAACATCCTTTTGAGCGACGAAAACGAAAACGCAAGCTGATTGTCAAAGAGATGCA GGCGGATATGAAACAATACGGCGACGCGCGACGCACGCTGGTGGAAGAGGCCGGACGCGC CGTGCTGACGCAGACCACCGCCGACGAACCCATCACGCTGATCCTGTCGGAAAAAGGCTG GATACGCAGCCGCCCGGACACAATCTCGATTTGAGCCAAACCGCGTTCAAAGAAGGCGA CTGCCTCAAACAACCCTCGAAGGCAGAACGGTTTTACCCGTCGTCATCCTCGATTCATC GGGCAGAACCTACACGCTCGATGCCGCCGAAATCCCCGGAGGGCGCGGCGACGGCGTACC **GGTTTCCTCCTTAATCGAGCTGCAAAACGGCGCGAAACCCGTTGCGATGTTGACAGGATT** GCCGGAACAACATTATTATTATCAAGCAGCAGCGGCTATGGCTTCATCACCAAGCTGGG CGATATGGTCGGGCGCGTGAAAGCGGGCAAAGTGGTGATGACCGCAGACAGCGGCGAAAC CGTTTTGCCGCCGGTTGCCGTCTATGCCTCCTCGTTCATCAACCCCGACTGCAAAATCAT TGCCGCCACCAGTCAAAACCGCGCCCTCGCCTTCCCCATCGGCGAATTGAAAATTATGGC GAAAGGCAAAGGGCTGCAAATCATCGGATTAAACGCCGGCGAATCGATGACGCATACCGC AGACCGCATCCCCATCTCCCTGCTTGAGGCAAAACGCGGCAAAAAAGGCAGACTATTGCC TGGTGATTTCCAACCCCGCGAACTTGAAAAACTCAAAGACCGGATTCCCAATCTGATCA ACATCATCCGCGTCGCCATCGTTTTTCCGCTGATGATTATGCACATCCTCGGGCTGGAAA CCGGCAGCCGTGCGAACCTGCACGCTTCGTGGACGGCGTGGGCGTTTTATGTTTGGCTCG TGAAAATGCCGCGTTTCAGCGCGGTAGCGGACATCACGATGATCGGCGTGCTGACCTACC TGTTCGGCGGCATCGATTCCGGCTTCGGCATCCTGATCCTGCCCTTCGTCGTCTCCT GCCTGCTCAGCTACGGGCGCTACCCCCTGCTCTATTCCAGCTACGCCGCCATCCTGCTGA TATTCAACGCCATTGCCGACGGCGATATCGGCAAATACCCGCTCATATCGGATGCCCGAA CCGCCTCGGCAACCTTCATCCTTGTCGCCGCCTCCTATCTTTCCGCCATCTTCACCTCAC TGTCGGTCAAATACATCGACCGTGCCGGAAAACTCGCCTACGACAGCCATATCGCCTACC ACCGCATCAAAGGCTTGAGCCAAACCGTACTCGAACGCGTTCAGGAAGCTGTCGTCA TCAATGCCGAAGGGCTGGCGGTGCTGTTCAACCGGAAGGCGAAAGACCTTTTCCCCGCGC TCGAAATCGGACGGCGCGGTCTGTCCGATTCTGCCGCCGAACTGTGGGATCAAGCCT CTCCGCACACTTTCGAATACGTCCTCGGCACACCCGGCCTGAACGCCGGCATCCGCGCCG TTCAGGCAGAAGCCCTGTCCGTCAAACTTGCCGCGCTCGGACAACTGACCGCCAACCTCG CCCACGAAATCCGCAACCCGATGTCCGCCATCCGCCACGCCAACGACCTGCTGCGCGAAA ATATGGAAGCGGGGGGGCAGATCCGTTCAACGCCAAATTGTGCAAAATCATCGACGGCA ACATCTGCCGCATCGACAAAATGCTCGAAGACATTTCCTCGCTCAACAAGCGCAACAAAA CCGAACGCGAAACCATCGGCCTGATACCGTTTTGGGAAGAATTCAAACAAGAGTTCCTGC TCGGCCATCCCGATGCCGCCGACTGCATCCGTCCGGACATTCAAGGCGGCAGCCCGACCG CCTATTTCGATCCCGCCCACCTGCGGCAAATTATGTGGAACCTCGCCAACAACGCGTGGC · GGCACAGEGGCAAACAGCCCGGCTGGATTTCGGTCACCATCCGCCCCGCGCAAAAAAACA CCGTCTGTATCCTCTTTGCCGACCGCCCGAAGTGCAGGAACACCTGTTCGAACCCTTTTA

CACCACGGCGGAAAACGGCACCGGCCTCGGGCTGTATGTCGCCCGCGAACTGGCGCACGC CAATTTCGGCGATTTGACCTACCTACCGGAAGCCAAATGTTTCGAACTCACATTACCGGA AAAAACCAATGACTGAACTGCAACACCCCGTCCTCGTCGTCGATGACGAAACCGACATTC TCGACCTGATGGAAATGACCCTGATGAAAATGGGCTTGCGCGTCCATACCGCGTCAGGCG TTGCCGAAGCCAAAAACAAGCTCGACAGCCAACGCTATTCGCTCGTCCTGACCGATATGC GTATGCCGGACGGCTCGGGGCTGGAAGTCGTCCAACACATCAACAGCCGCCTGCTCGATA CGCCGGTTGCCGTCATCACCGCCTTCGGCAACGCCGATCAGGCACAGGAAGCGTTGCGTT GCGCGCGTTCGACCCCGATACCATGCAGATACAGGACTATCTCGACCAAATCGAACGCG TGGGCATCAGCTTCCGTTCCATGCGCTACCGTATGGAACGCCTCAACATCGGCTGACGAC AAAACGGCATCCGCCATCTCCGCCCACCGAAAAAATGCCGTCTGAAACGGCACGGGA AAGCGGGTTCGCCCCACGCCCGAACGGACACAAAACACCATGACCGACATCCTTATTGAC AACACCGCCACCGAAACCGTCCGCACCCTGATACGGGCATTCCCCCTTGTGCCCGTTTCC CAACCGCCCGAACAAGGCAGTTACCTCCTTGCCGAACACGATACCGTCAGCCTCAGGCTT GTCGGGGAAAAAAGCAGCGTCATCGTCGATTTTGCCTCCGGCGCGCACAATACCGGCGC ACAAAAGGCGGGGGGGAACTCATCGCCAAAGCCGTCAACCACACCGCGCACCCCACCGTT TGGGACGCAACCGCAGGATTGGGGCGCGACAGCTTCGTCCTCGCCTCGCCTCGGCTGGCC GCCCTCCTCAATCCCGAAACGCAAAACACCGCCGCGCACATCAACCTCCATTTCGGCAAC GCCGCCGAACAAATGCCCGCACTTGTCCAAACACAAGGCAAACCCGACATCGTCTATCTC GACCCCATGTATCCCGAACGCCGCAAAAGTGCCGCCGTTAAAAAAAGAAATGACCTACTTC CACCGGCTCGTCGGCGAAGCGCAAGATGAAGCGGCACTCCTGCATACCGCACGCCAAACA GCAAAAAAACGCGTCGTCGAAACGCCCCCGCCTCGGCGAACACCTTGCCGGACAAGAC CCTGCCTACCAATACACAGGCAAAAGCACCCGCTTCGACGTTTACCTGCCCTACGGGACG GACAAGGGATAACGCCCATAAAACAAGACACCGAAAAATTTGCCGTTCTTATGCAAACGA GAAACCGGTTTTTGCGTTTCGACTGTTTTGGATAAGTCATCACACCTTAAAGTTTGTCAT TCCCACAGAAGTGGGAATCCGATTCATTCAGTTTTATAGTGGTTTAAATTTAAACCACTA TAGTTGTTTTCGAGTTTCAGGCAACTTCCAAACCGTCATTCCCACGGAAGTGGGAATCTA GAAATGAAAGGCAACAGGAATTTATCGTAAATGACTGAAACCGAACGGACTAGATTCCCG CCTACGCGGGAATGACGGGCGGCAGATGCCGTCTGAAATTCCGTCATTCCCGTGAAAA CGGGAATCTAGAACTTCTGATTTTTCAGACGACTTTTGAACATTGCCGCCACCCAATGAT CTGGATTCCCACCTGCGCGGGAATGACGAGGTTTCAGGTTGCTGTTTTTAAGTTGCTGTT TCGGGTTGCTGTTTTTTATGGAAATGACAAGGTTTTAGATTGCGAGAATTTATCCGCTCC TCCGTCATTCCCACGGAAGTGGGAATCCAGAAATGAAAAGCAACAGGAATTTATCATAAA TGACCGAAACCGAACGGACTAGATTTCCGACTGCGCGGGAATGACGGGGCGGGAGGATGC CGTCTGAAATTCCGTCATTCCCGTGAAAACGGGAATCTAGAACTTCTGATTTTTCAGACG ACTTTTGAACATTGCCGCTACCCAATGATTTGGATTCCCGCCTGCGCGGGAATGACGATG TAAAATTATCCGGGATTCAAAAAGACAGGCTTTCACATCCGTGGGAATGACTGCGGAAAG **ATGATTTTTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACA** AATAGTACGGCAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATATTTTGTC ATAAAAATCCGCACCTTAATCAGTTGGCGGTTAAATCAAACTTTTAGGGTGCAGATTACT TTTTATGATTTCAGACAGCATTTTGACAGGCGGCAGCCTATTTCGGCAATACCAAAAACT TAATCAGCAGTTCTTTGAATACAAAACCGAACACGCCCAAGCCCAAAACCAAAAACAAAA TGGCGATGCCGAATTTGCCTGCTTTGGACTCCTTGCCCAAATTCCAAACGATAAAACCCA AAAAATAATCAAGCCGGTCAGGCAGATTTTCAACGCCCAATCGGCAAAAACCGCTTCAT CCATATTTTTTCCTATTGTTGATGTGTATGCCATATAAGATAAGGGTTTCAGACGGCAT CTGCTGTCCAATGCCGTCTGAAACACGCAATCAGCGTGCGAGTGCCTGTTTCAAATCGTC **AATCAAATCGCCAACATATTCCAAACCGACCGACAGGCGCACCAATCCGGGGCGGATGTT** GGTCGAGCGCACGTCACCGAGGTTGGCGGTGCGGGAAAAGAGTTCCACGCCGTCCACAAC TTTCCACGCCGCTTCTTGATCGGCAACTTCAAAGCCGATGACGATGCCGCCGCCGTTTTG CTGTTTGCGGATAAGCGCCGCCTGAGGATGGTCGGACAATCCGGTGTAGTACACGGCTTG AACCTGCGGCTGCGCTTGCAGCCATTGTGCGATTTTCAGGGCGTTGTCGAACTGTTTTTC CATACGCAGCGACAGGGTTTCCACGCCGCTCAACAACTGCCACGCATTAAACGGCGACAT CGCCAGCCGCAAGAGTTGCAATACATGGCGACCTGCGCCAACAACTCTTCCGAACCCGC CAACACGCCGCCCATCACACGCCCGTGTCCGTCTATGGCTTTGGTCGCGGAGGAAACGGA AATATCCGCACCGTGTTTCAAAGGCTGCGAGCCGACGGGCGACAGCAGCTGTTGTCCAC CACCAAGAGCGCGCGATGCCGTGCGCCAATTCCGCCAAGGCTTCCAAGTCGGCCACTTC GCCTAAGGGGTTGGACGGCGTTTCCAAAAACAGCAGTTTGGTATTGGCTTTGACGGCGGC TTTCCATTCGTTTATATCAGTCGGCGACACGTGGCTCACTTCGATGCCGAATTTGGCAAC GATGTTATTGATAAAGCCGACGGTCGTGCCGAACAGGCTGCGGCTGGAAATCACATGGTC GCCCGCCTGCAAAAAGGTGAAAAACGCCGCCTGAATCGCAGACATACCCGCCGAAGTGGC GACCGCGCGTTCCGCACCTTCCAAAGCGGCGATGCGTTTTTCAAAGGCGGCTGTGGTCGG TTGGGCGTTGTCCCACATGAAGCTGCTGGTCAGAAACAATGCCTGATTGTGTTCGCGGTA TTCGGTTTGTTCTTTGCCGCCGCGTATGGCGAGCGTTTGCGGATGGAGTTTTTTGCTCAT CGGTGATTCCTCGGTTTTGTCCGTTCGGCAACGGAGCGTGCGCCCGTTGTTTAATTTGTT AATATTTTGCGCCTGTTCTATGATGCTTTCAAGTCGGATGAGAATGCAAATGCCGTCTGA AACGGCTTTCAGACGGCATGGCAATCAGCGTTTGTATTTTAACTCGTACTTGATGTCGTT CAGCATCTGCTGGAGCTGATAGGTGAAAACCGCCATCTGCTTTTGCACCGCCGTTCGGAT GATGCCGTTGACGGTATCGGTCAGATGCGGCGCAGGCGTTTGATCAGCCGTTCGGTCAG CTCCTGTTCGGACAGGCAGAACACTTCGCGCCGGTTGACGGCTTTCGGGTTCAGGATATT GATTTGGACGGCATCAACGTTTCTTCCGCATCGTTTTCCCCGTTTTCCGAAACCGCCGG CTCATTCGTGCCGGATTCTGCCTCGTCGGCGTTTTCCCCGGCTTTCAATCTGTCCGGTTTC

AAATTCGACACTGTCTTTTTTGGTATCAAACCGGATTCTCCGCCGCGATTCGATGTTTT TTCCGAAACCGACATTTGCAGGGAAGCCTGCGCGTTGAGCCAGTTTTCCTGAAGGACGAT CATCGGGTCGGTTTCGACTTCCTCGCCGCAATCGGCAACGGCGGCATTGTGTTCCTCCTG AGGCGCGTCCGTTCCGGTTTCAGAGGGGCGGGACAGCGGCGCGTAAGTCGGCACTGCCTT CATACGGCGCGTCTGACGCAGGTTTTCCAAACGTTTTTCCCAATTCGGCTCTTTATTCGC ATCCATTTTCGGCTTCCGGTTCTTAATCTTTGCAAGCAGACAAACCCGCGCCCAAAGCGC GGTTTGATATAA TGGCGCATTTTAACAGATTCGCGAGGATACATCATGGGCAGCATCGAA CAGCGTTTGGAATATCTGGAAGAGGCGAACGACGTGCTGCGTATGCAGAACCACGTCCTG TCCACCGCATTCAAAGCCTTAATCCGCGCCCTTCCCGCCGAAACCGCCGAAATCGCGGTC GAGTCGATTCAGCTTGCTTTTGAGGACGCCTTGGCAGAATTGAGCTATGAGGACAGCCCG CATACGGATTTGTTCCACGACGTTACTTATGCGTTTTTCCGTGAAAAAGAACGTTAATTT TATGTTAAACTGATTTTTTAGGCTTTTTGATTACCGAAAGGAATTTTGATGAATATGAAA GGCAAAGATACCGCCGCCCTGCCGCCAACCCCGACAAAGTGTACCGCGTGGCTTCCAAC GCCGAGTTTGCCCCCTTTGAATCTTTAGACTCGAAAGGCAATGTCGAAGGTTTCGATGTG GATTTGATGAACGCGATGGCGAAGGCGGGCAATTTTAAAATCGAATTCAAACACCAGCCG TGGGACAGCCTTTTCCCCGCCTTAAACAACGGCGATGCGGACGTTGTGATGTCGGGCGTA ACCATTACCGACGACCGCAAACAGTCTATGGACTTCAGCGACCCGTATTTTGAAATCACC CAAGTCGTCCTCGTTCCGAAAGGCAAAAAAGTATCTTCTTCCGAAGATTTGAAAAACATG AACAAAGTCGGCGTGGTAACCGGCTACACGGGCGATTTCTCCGTATCCAAACTCTTGGGC AACGACAATCCGAAAATCGCGCGCTTTGAAAACGTTCCCCTGATTATCAAAGAACTGGAA AACGGCGGCTTGGATTCCGTGGTCAGCGACAGCGCGGTCATCGCCAATTATGTGAAAAAC AATCCGGCCAAAGGGATGGACTTCGTTACCCTGCCCGACTTCACCACCGAACACTACGGC ATCGCGGT ACGCAAAGGCGACGAAGCAACCGTCAAAATGCTGAACGATGCGTTGGAAAAAA GTACGCGAAAGCGGCGAATACGACAAGATTTACGCCAAATATTTTGCAAAAGAAGACGGA CAGGCCGCAAAATAAGCCCGCCCGTCCGAACACAATGCCGTCTGAAGCCCTTTCAGACGG CATTGTTCATCAATCGGCCTACAATGAACTGCCTGCTGATTTCTCCCTACCGCAAAGCAA CAGGCAAAGATTACAAATATCAAAATCCGAGTAAAACAGTATTTTATTAAAACAAATTGA TAATCAAGAGATTAGAATTATGTATTGTCTTTACCGTACAAACGCTGGCACTATTTCAAC CTGATAAAAAACAGCCTTCAAAAAGGTTGTTTAAAACAGCAGCAGACACTTACCGCCACA ACCTTGAAAAGGAACACAATCATGACCGTCATCAAACAGGAAGACTTTATCCAAAGCATT TGCGATGCCTTCCAATTCATCAGCTACTATCATCCCAAAGACTACATCGACGCGCTTTAT AAGGCGTGGCAGAAGGAAGAAATCCTGCCGCCAAAGACGCGATGACGCAGATTTTGGTC AACAGCCGTATGTGTGCGGAAAACAACCGCCCCATCTGCCAAGACACAGGTATCGCAACC GTCTTCCTCAAAGTCGGTATGAACGTCCAATGGGATGCGGACATGAGCGTGGAAGAGATG GTTAACGAAGGCGTACGCCGCGCCTACACTTGGGAAGGCAATACGCTGCGCGCTTCCGTC ATGAGCATCGTGCCGGGCGGTAAAGTCGAAGTAACCTGCGCGGCAAAAGGCGGCGGCTCT GAAAACAAATĊCAAACTCGCCATGCTCAATCCTTCCGACAACATCGTCGATTGGGTATTG AAAACCATCCCGACCATGGGCGGGGCTGGTGTCCTCCCGGCATCTTGGGTATCGGCATC GGCGGCACGCCCGAAAAAGCCGTGCTGATGGCAAAAGAGTCCCTGATGAGCCACATCGAC ATTCAAGAATTGCAGGAAAAGGCCGCGTCCGGCGCGGAATTGTCCACCACCGAAGCCCTG CGCCTCGAACTCTTTGAAAAAGTCAACGCGCTGGGCATCGGCGCACAAGGCTTGGGCGGA CTGACCACCGTGTTGGACGTGAAAATCCTCGATTATCCGACCCACGCCGCCTCCAAACCG ATTGCCATGATTCCGAACTGCGCCGCCACCCGCCACGTCGAATTTGAATTGGACGGCTCA GGCCCTGTCGAACTCACGCCGCCGCGCGTCGAAGACTGGCCCGATTTGACTTACAGCCCC GACAACGGCAAACGCGTCGATGTCGACAAGCTGACCAAAGAAGAAGAAGTGGCAAGCTGGAAA ACCGGCGACGTATTGCTGTTGAACGGCAAAATCCTCACCGGCCGCGATGCCGCACACAAA CGCCTCGTCGATATGCTCAACAAAGGCGAAGAATTGCCCGTCGATTTCACCAACCGCCTG ATTTACTACGTCGGCCCCGTCGATCCGGTCGGCGATGAAGTCGTCGGTCCGGCAGGTCCG ACCACAGCCACCGCATGGACAAATTCACCCGCCAAATGCTCGAACAAACCGACCTCTTG GGCATGATCGGCAAATCCGAGCGCGGCGTGGCCACCTGCGAAGCCATCGCCGACAACAAA GCCGTGTACCTCATGGCAGTCGGCGGCGCGCGTATCTCGTGGCAAAAGCCATCAAATCT TCCAAAGTCTTGGCGTTCCCCGAATTGGGCATGGAAGCCATTTACGAATTTGAAGTCAAA CGCAAATGGCAGGCGAAAATCGGCATCATCCCCGTCGAATCTTGAGGCGCCATGCCGTCT GAACACAAAATCTGCCTTCAGACGGCATTTCCGCCCCCGGTTGCGGTACAATCCACCATT TACCGTCGCACAAAACCTTGCCGCCATACCCAACAACGACGTAACCGTTATCGACATCGA CGAAAAAGCATTGCAGGAAACAGGCAGCCGCCTCGATGTCCAAACCGTTTTCGGCAACGG CGCATCCCCTTCACATTAGAACGCGCCGGCGCGGAAGATGCCGACTTGCTGCTCGCGCT CTCCCGCAGCGACGAAACCAACATCGTCGCCTGCAAAGTTGCCGCCGACCTGTTCAACAT CCCCGGCCGCATCGCGCGCGTCCGTTCCAGCGAATACCTCGAATACCTCAGCCCCAAGCT CGAAAACAACGAAAACGGCAGCCTTTCCATATTCGGCATAACCGAAACCATCAGCCCCGA ACAGCTCGTTACCGAACAGCTTGCCGGCCTGATAGACTGCCCGGGCGCATTGCAGGTTTT ACGTTTTGCAGACGACCGCGTGCGGATGGTCATCATACAGGCGCGGCGGCGGACTGCT TGTCGGACGCAGCATTGCCGACATCGCCCAAGATTTGCCCGACGGGGCCGACTGCCAAAT CTGCGCCGTTTACCGCAACAACCGCCTCATCGTCCCCGCGCCGCAAACCGTCATCATCGA AGGCGACGAAATCCTATTTGCCGCCGCCGCCGAAAACATCGGCGCGGTCATACCCGAATT GCGCCCAAAGAAACCAGCACCCGCCGCATCATGATTGCCGGCGGCGGCAACATCGGCTA CCGTGCCGAATGGATAGCCGAAAACCTCGACAACACCCTCGTCCTGCAAGGTTCGGCAAC CGACGAAACCCTGCTCGACAACGAATACATCGACGAAATCGACGTATTCTGCGCCCTGAC CAACGACGAAGCAACATTATGTCCGCCCTTTTGGCGAAAAACCTCGGCGCGAAGCG

CGTCATCGGCATCGTCAACCGCTCAAGCTACGTCGATTTGCTCGAAGGCAACAAAATCGA CATCGTCGTCTCCCCCCACCTCATCACCATCGGCTCGATACTCGCCCACATCCGGCGCGG CGACATCGTTGCCGTCCACCCCATCCGGCGCGCGCACGGCGGAAGCCATCGAAGTCGTCGC ACACGGCGACAAAAAACTTCCGCCATCATCGGCAGGCGCATCAGCGGCATCAAATGGCC CGAAGGCTGCCACATTGCCGCCGTCGTCCGCGCGGAACCGGCGAAACCATTATGGGACA CCATACCGAAACCGTCATCCAAGACGGCGACCACATCATCTTTTTCGTCTCGCGCCGGCG CATCCTGAACGAACTGGAAAAACTCATCCAGGTCAAAATGGGCTTTTTCGGATAAACCGC CCCATTCCGGACATATTGCCGCCAAGCGGTATGGAAGCGGAAATAATGGTAGGTGGGCTT CAGACGGCATCCGCCTCCCCGTCATTCCCGCGTAAGCGGGCATCCAGACCTTGGGATAG CGGCAATATTCAAAGGTTATAAAAGACCCGTCATTCCCGCGCAGGCGGGAATCCAGACCT TGGGATAGCGGCAATATTCAAAGGTTATCTGAAAATTTAGAGGTTCTAGATTCCCGCTTT CGCGGGAATGACGAAAAGTTGCGGGAATCCAGAACGTCGGGCAACGGCAATATTCAAAAG CCGTCTGAAAATTTAAAAGTTCTAGATTCCCGCTTTCGCGGGAATGACGAAGTTTCAGAC CATCTGACCGTTCCGGCTTGTTTTCAGGCGAATCCGCCGCATCAGAACATACTGCGCACG CCCATATTGACCTGCCAAGTCTAGCGCATCGTGTGCATCGAAGACCTTTGCGCCTCAAAA TAAAGCTGCCTTCCGTTGTCGGCATTACCACGCAAAAAAATGAATTGCTTGATATTCCAA TGTTTTTTATATGTTTTATATTGTGATGCGATCAGACAAACGCCCCCCTGACATTTGTT TAGACGGCATCGTATTGCTAAATTTCTATAAGTATGTATAATGTCCGTTTCCACGCGCCC ATCGTCTAGAGGCCTAGGACACTGCCCTTTCACGGCGGCAACCGGGGTTCGAATCCCCGT GGGCGTGCCAATTCAAAAACCTGCTTGTTTCAAGCAGGTTTTTTATTATGAGTCGTCATT CCCGCAATTTTTCGTCATTCCCGCAAAAGCGGGAATCTAGAGCGTAGGGTTGAAGAAACC GTTTTATCCGATAAGTTTCCGTGCCGACAGGTCTGGATTCCCGCCTGCGCGGGAAGGACG GCAGAGGGTGGACGATGCCGTCTGAAGCCTGACAAAGCATTTGATGCCGTCTGAAACTTC GTCATTCCCGCAAAAGCGGGAATCTAGAGCGTAGGGTTGAAGAAACCGTTTTATCCGATA AGTTTCCGTGCCGACAGGTCTGGATTCCCGCTTTCGTAGGAATGACGGAATTTTAGGTTT CTGTTTTTGTGGAAATGACGAATAAAGCGTGCCGGTTTATGCTCGCCGCAACACGCGGTT CAGACGGCATTGCTCTTTTTTCATTATCAGTGGGTGTAGCAACTGTATTTTTCACCCC GTCGGGCAAAAATACAGTTGCTACGATGCACCCCGCCGCCCTGCCCTGTGCCTTGTCCTG CAATACGGCATATAATGCACCACAAACCCCCGCGCTGCGGTTTTCAGACGGCATCGCCGT GCTTTTTTACAGGCATTAGCCCTTTTTATCGGACGCAATATTAAGGAGGAACAAATGAAA AGCTCTTTTGTGCAAACGCTTACCATCGCCGGTTCGGATTCGGGCGGCGGTGCGGGCATT CAGGCGGATTTGAAAACATTTCAGATGCGCGGCGTGTTCGGAACGTGCGTCATCACCGCC ACCGCACAAATCCAAGCAATCAGGGAAGACTTCGACATCCGCGCCTACAAAATCGGTATG CTCGGCACGGCGAAATCATCGAATGCGTTGCCGACAAGCTGAAACACTGCAGCTTTGGC ${\tt AGGCGCGTACTCGACCCTGTGATGATTGCCAAAGGCGGTGCGCCGCTGTTGCAGGATTCC}$ GCCGTTGCGGCACTGACGCGCCTGCTTCCCGATACGGATGTATTGACCCCCAACCTG CCCGAAGCGGAAGCTCTGACCGGCGTGCATATTGAAAACCGTAAAGATGCGGAACGTGCG GCAAAAATCCTGCTTGATTACGGTGTCAAAAATGTCGTTATCAAAGGCGGACATTTGAAC GGCAGCACAAGCGGACGCTGCACGGATTGGCTGTTTACACAAAATGAAACGCTGGAATTC ATCACCGCCGAGTTGGCAAAAGGCTCGGACGTTTGCGAAGCCGTACAGACTGCCAAGGCC TACATCACGGCGGCAATCTCAAACCCTTTGGAAATCGGCGCAGGACACGGCCCGGTCAAT CATTGGGCGTATCGGGACTAACCGTAAAAATGCCGTCTGAAACAAAATGTTCAGACGGCA TTTTTGAGGATTATTCAGGCTTTTTCGCCAGCATCGTTACAAATTTAAACCGTATCGGAT TGCCGTTTTCGTCTTTGGCATGCATAGAACCCAATTCTTCTTTATATTCGACCAGTTCCC AATCCCGATAATAATCCTTCAGCTCGCCCTCTTTAAATTTAAAAGGGAACGGCATCGGAC AGGGGAAATCCGCCGTATCCATTGCCGATACAATCAAGTTGTACCCGCCGCCGCCGCTAT GCGCCTGCATATCGGCAATCACGTCGGGTACGCGCTGCGGCATCAGGAACATCAGCACCA CTGTTGCCACAATATAATCAAACTCGCCCTGCAAGGCGGCGGCGTTCAAATCATATTCCA GCGTGCGGACGTTCAAACCCTCCGCCTCTGCCAGCTCCGCCACGTTTGCCAAGGCGGCGG GATTGTGATCGACTGCAGTAACTTCAAACCCCTTCAAACCGAGAAACAGCGCGTTGCGCC CCTGTCCGCAGCCCATATCCAACGCCCTGCCCGCCGGTACGGTATCCCGTGCCGCCGCGA CCGCAGAATGCGTGGCACTCATCCCGTATTTTTTGTGAAAATAGTCTGCCGCCGCGCAAT ACAGCGACAAACGGATTTCGGCATCGTCCGTTTTCGGTTTGACAGAAAACACCTGCTGCG GCGCAAACACACAATCGCCGCCGTCTGCCGACCAAACTTCTGCCGACCCGTCCGGTGCAC GAACTTCGACATCGCCCTGCAACACATTCAGGCAGACCCACTCCCCTTCCTCAGACGAAT AGCCCGACAACAAACTTCCGGCAGGTTTTCCACTTTCCATACAGGCATCTGTCCGAAAC AAAACAACTCGCCACTTTGACCCACTATCCGCTCCTTCATATTCAAAAATAAAGTTGCAC ATTATATGCCTATTTTAATCCGCCGCAATCTTTCAGACGGCACGGCGCGCAAACCGCTTA TAATCACGCCGGACACCACACACACACACACACACCACACCGTTTACCTTTACACC AGCCACGAAAAAGAACTTTTCGGCGGCGAAGCGCAAACCACCAACAACCGCATGGAACTG ACTGCCGTCATCGAAGGACTGAAATCGCTCAAACGCCGCTGCACCGTCATCATCTGCACC GACTCGCAATACGTCAAAAATGGCATGGAAAACTGGATACACGGTTGGAAGCGCAACGGC TGGAAAACCGCCTCCAAACAGCCCGTCAAAAACGACGACTTGTGGAAAGAACTCGACGCT CTAGTCGGACGCCATCAAGTCAGTTGGACTTGGGTGAAAGGACACGCGGGACACGCCGAA AACGAACGCGCCGACGATTTGGCAAACCGTGGCGCAGCGCAGTTTTCCTGACTGCCGCTC CGGCAAAAATGCCGTCTGAAACCGCTAATGGGCTTCAGACGGCATCGTCCTCCACCGTCA TTCCCGCGCAAGCGGAATCCAAACCGTCGGGCAACGGCAATATTCAAAGATTATCTGAA AGTTTGAAGTTCTAGATTCCCGTTTTCACGGGAATGACGAAAAGTTGCAAGAATGACGGA GTTTCAGGCGGCATCCGACCGCCCCGTCATTCCCGCGAAAGCGGGAATCTAAAAACCCAA CGCTGCAAGATTTATCAGAAACAACTGAAACCGAACGGACTGGATTCCCGCCTGCGCGGG **AATGACGGGATTTTAGTAACCGTAGCAACCGCCTGCGCGACGGCTAAGGGGCTTCAGCAA**

CCGTAGCAACTGCCTGTGTGGGAATGACGGACAATGGGCTTCAGACGGCATCTCTTGCCT GCCGCTAAAACAGTTTGCCGCACAACTGTTCAAACGCGTCCGATATGTTTCAACACACAG GACGACACATAAAGCACCTCCCTATGTGTCGTCCTGATTTGGAAGGGGTTACACCCCCTC CCAAATAAAGTCTGATCCTGCCGCCCTAAAGGGCGGGGTTTCAACCGAAAAGGAAATACG ATGAAGTGGTACAATTAGCGGCAATGCGGACAGACAAATTAAACTATAGTGGA**TTAAAT**T TARACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAA GCACCAAGTGAATCGGTTCTGTACTATTTGTACTGTCTGCGGCTTCGTTGCCTTGTCCTG ATTTTTGTTAATCCGCTATATCAGAAATTACCCTACCGTTTTTTAAACACTTTCAGGAAT AAGGAAAAATGACCGCCCAACCCTGCCCCATCTGCACGGCGCAAAATGAAGACGTTTTGC TGCAAACCCCCAACCTCCGCGTCATCGCCGTCCATAACGACAGCGGTTCGCCTGCATTCT CAAAAATCAACCTCGCCAGCTTGGGCAATGTCGTGCCGCACCTGCATTGGCATATTATCG CCCGCTTTGAAAACGATGCGTCTTTCCCCGCGCCGATTTGGGCAAACCCCGTCCGGAAAC ACGGTATGACCCTGCCGCAAGATTGGACGGAACAGCTTAAAAAGCTGCTTTAAGCCCGCC GATGCCGTCTGAAACCGTATGAAAGGGAAATTATGACCGAACCGACCTCCCGCCGCCGTT TTCTGAAAACCTGCACCGCCGCTGCCGGCGCGGGGCTGCTTCAGGCTTGCGGCACATCCG CCACATCCGTTCCGCCCCTTCCCTTTCCCATTCCGTTGTGAAAGCCCGAACCGTGCCTC TCCAAACGCCACGCCGTCAAAGTTCGGACGGCAACCTTCTGCGCGTTGTCGCTTCGTCAG GATTTGCCGAAGACACCAACCGCGTCAACACACCCTTAACCCGCCTTTACAATGTCGGTT TTACCGTAACCAACCAACAGGCGGCAGCCGCCGTTTCCAACGGTTTGCCGGCACGGACA TGATGGGTTTGCGCGGCGGTTACGGTGCGGCGCGGATTCTGCCGCATATCGATTTTGCTT CGCTCGGCGCAAGGATGCGCGAACACGGCACGCTCTTTTTCGGATTCAGCGACGTATGCG CCGTCCAGCTGGCATTGTTGGCAAAAGGCAATATGATGAGTTTTGCCGGCCCGATGGCTT CAACCCAAAACCGCCTGACCGTTGATGTTCCTTATATCCAACGCGCCGATGTCGAAACCG AAGGCATATTGTGGGGCGGCAACTTAAGCGTCCTCGCCTCGCCTCGCCGGCACGCCTTATA TGCCCGACATCGACGGCGGCATTTTGTTCCTCGAAGATGTCGGCGAACAGCCCTACCGCA TCGAACGTATGCTCAATACGCTGTATCTTTCGGGTATTTTGAAGAAACAGCGCGCCATCG TGTTCGGCAATTTCCGTATGGAAAAATTCGAGATGTCTATGATCCGTCTTATGATTTTT CTGCCGTTGCCAACCATGTTTCGCGCACGGCGAAAATCCCCGTGCTGACGGGCTTCCCGT TCGGACACATTGCCGACAAAATCACTTTCCCTCTAGGCGCGCACGCCCGAATCCGTATGA ACGGAAACAGCGGTTATTCGGTCGCGTTTGAAGGCTACCCCACACTCGATGCGTCCGCCC TGACTTTGGATACCCTGCTCCCACCGCCGGATTTGCCCCATCTTCCCCGAAAGCGGTGTTG CCGATATTTCGGAATAAACCCGCAAACGGACAAATGCCGTCTGAAGCCTTCAGACGGCAT TTCCCAAGACGGCGGCAGATTACAGCAATGCCCGAATATCGGCTTCGATTTCTTCGGGCG TAACACTAGGCGCAAAACGCTCGACCACTTCGCCGTCGCGGTTGACGAGGAATTTGGTAA AGTTCCATTTGATGTCGCCTTCGTCGCGCTTCTCTCCCAAAGCTGCGAGCTTCAACACGA **AATCTTTAAACAGATGATTGCCTTTATCTTGCGGTTTGACGGATTTCAGGTAGGCATACA** AGGGCGCGGTATTTGCTCCATTGACTTCGATTTTGTCGAAAATCTTAAACTTCGTGCCAA ACTTCATCATACACACTTGGGCAATTTCTCCGCTGCTTTCGGGAGCCTGTTCGCGGAACT GGTTGCACGGAAAATCCAAAATCTCCAAGCCTTCTGCGGTATATTGTGCATACAGCTTCT GCAAAGCCTCGTATTGCGGGGTCAGACCGCAACGCGTTGCCGTGTTGACAATCAGCAGAA CCTTGCCGCGATAGCCTGACAAATCAACCGCATTGCCTTCTGCATCTTTCATTTGAAAAT CGTAAATACCCATTTTTATCCTTATCTGATGTAAACCGATGCCATCTGAAACGTGCTTCA GACGCCATGAAAGCAGCAATTGTATAGCCGATTAAAATAAAAAATCCACATCCTTTTCCA TTCCCGTCCCAATCCGCAATAAAAAACTGCACCCGAAAACGGGTGCAGTTGCTCATTTCA TACCGCAAAACTTATTTGTCGCGGCCGAATACGATTTTAGTGGCTTGGATGGCGACACAG TATGCCTGAATCGCGCCGACAGGCAGCAGGCTGATGGCAATCATACCGGCCAAGCCGCCG TTGAGCAGCCAGAAGCCCCAAGTCATCAGTTTGTCGTCAAACTGCGCGTTCGGTTTCAAA TAACGGCCAACCAGCAATACGAAGCCCAATGCCAAGAAACCGTACACAACAACAAGGCG GCGTGCGCGTGAACGGCAGAAGTGTTCAAACCTTGGATATAGAACAGGGAAATCGGCGGA TTGATCAGGAAGCCGAATACGCCGGCACCGATCATATTCCAAAAGGCGACTGCCACGAAG CACATCAGCGGCCAACGCAGGCGTTTCGCCCAGTCGGACAGGTGTTGGTAAGACCAGTGT TCGTATGCTTCACGGCCCAGCAACACCAGCGGCACGACTTCCAAAGCGGAGAAGCAGGCA CCGATTGCCATAGAGGCGGAGGTAGAGCCGGAGAAGTACAGGTGGTGCAGCGTGCCCGGA ACGCCGCCCAACATAAAGATGGCGGCAGCGGCCAAAGTGGAGGCAGTGGCGGTACTGCGG CGGACAAAGCCCATATTGTAGAAGACAAAGGCAAAGGCGGCAGTGGCAAATACTTCGAAG AAGCCTTCTACCCACAGGTGAACCACCCACCAACGCCAGTATTCCATAACGGCAATCGGG GATTTTTCGCCATAGAACAGGCCTGGTGCGTAGAATACGCCCACACCGACCATAGAAGCT ACGAAGATAGCCAACAGGTTTTTGTCCACGCCTTTTTCTTTAAAGGCGGAAACCGTGCAA CGCAACATCAGGAACAGCCATAACAGCAGACCGACCATCAAAAGGAGTTGCCAGAAACGT CCCAAATCGAGGTATTCGTAACCTTGGTGTCCGAACCAGAAGTTAAATTCCGGGGGAAGG ATGTGCGTCAACGCGAAGAAGTTGCCCGCGTAAGAACCGCCGACCACGATGAAGAGGGCG ATATAGAGGAAGTTTACGCCGGCACGTTGGAACTTGGGATCTTTACCGCCGTTGACAATC GGCGCGAGGAACAACCTGCCGTCAAAAAGCCGGTTGCAATCCAGAAGATGGCGGATTGG ATGTGCCAAGTACGGGTCAGGGGGTAGGGGAACCAGTCGGACATTTCAAAGCCCAACGCC TCGTCAATGCCGTAGAAACCCTGGCCTTCGACGGTGTAGTGCGCGGTCAGTCCGCCCAGC AATACTTGTACCACAAACAGGGCGACCGTCAGGAAGACGTATTTGCCCAATGCTTTTTGC GAAGGGGTCAGTTGGATTTTGGAAATCGGGTCTTCAGACGGCACTTCCACTTCCTCGTGT TTGGTCAGGAAGGAATAACCCCACATCAGCAAACCGATGCCCATCAGCAGAAGAACAACG CTGGTGAATGACCACATATAGTTTTCAGTGGTCGGTACGTTGTTGATCAAAGGTTCGTGC

GGCCAGTTGTTGGTGTAAGTAAAATTCTCGTCAGGACGGTTGGTCGAAGCAGACCAAGAA GTCCAGAAGAAGAAGTTGAACAGTTTTTCACGCGCTTCTTGGCTTGGCAATGTATTGTTT TTCATTGCAAAGTGTTCGCGAGTGGTTTGGAACTTAGGATCGTCGCTGTACACACCGTGG TAGTAAGGCAGGATGCTTTCGATGGCTTTCACGCGCGTATCGCTGATGACGACGCTGCCG TCTTCCTTCACGCGGCTTTGATTGCGGTATTCGTCGGCCAGGCGTGTTTTCAAGACGGCT TGTTCCTCGGGGGAAACCTCGTCGAATTTTTTGCCGTAAGTCTGTTGCGCGGTCAAATCC **AACCAGGCAACCAACTCACGATGCAGCCAGTCCGCCGTCCAGTCCGGAGCCTGATATGCA** CCGTGACCCAAAATCGAACCGACTTCCATACCGCCGGTAGTCTGCCATGCAGACTGACCT GCCAAAATATCGTCTTTCGTCATCAAGACCTTGCCGGATGCGGAAACGACCTGTTCGGGG TAAGGCGGGGCTTTTTTGTAAACCTCGCTGCCCATATAGCCAAGAATGGTAAAGCATACC GCCAGAACGGCAAACAGCAAGTACCAAAGCTTCTTGTACTGTCCCATTTTGAGAGCTCCT TTTAATATAGTGGATTAAAATTCACAAAATATGAATGTTAAAGATTGTAGCACGGTTTAC CGCGCAAATAAA CATTTGTTCAAAGAAACTCACATATAAAA CAAATACATATATGATAAT **AACTATCATTATTCTTTAGTCGGCAACTACCCTGCCTTTGCCTGATTTGCCGAAGCCCTT AAGCAAATCAGCCTATTTATTGTAATTTTTAGTAGCTATAAAGTATTAGAAGTATCATTT** TAAGTTCATATTTTATGAATTATTTGACTTAAATCAAAATGCCCCCAATGGGGCAAACGC ATAATCACACCAAGTTCTTAACCAATCCCTCTACTTTTCTTACAAAAGGAAAATATTATG AAACGCCAAGCCTTAGCTGCAATGATTGCTTCCTTATTCGCATTAGCCGCCTGCGGCGGC GAACCTGCCGCGCAAGCCCCTGCCGAAACCCCTGCCGCTGCCGCCGAAGCCGCAAGCTCC GCCGCACAAACCGCCGCCGAAACACCGTCCGGCGAACTGCCCGTTATCGATGCGGTTACC ACCCACGCTCCCGAAGTGCCTCCTGCAATCGACCGCGACTACCCCGCCAAAGTCCGCGTA AAAATGGAAACCGTCGAAAAAACCATGACCATGGAAGACGGTGTGGAATACCGCTACTGG ACATTTGACGGCGACGTTCCGGGCCGTATGATCCGCGTACGCGAAGGCGATACGGTTGAA GTGGAATTTTCCAACAATCCTTCTTCTACCGTTCCGCACAACGTCGACTTCCACGCGGCT ACCGGCCAGGGCGGCGCGCGCCCCCAACCTTTACCGCTCCGGGCCGTACTTCCACATTC ATGCACATCGCCAACGGTATGTACGGTCTGATTTTGGTCGAGCCTAAAGAAGGCCTGCCG AAAGTGGATAAA GAGTTCTACATCGTCCAAGGCGACTTCTACACCAAAGGCAAAAAAGGC GCGCAAGGTCTGCAACCGTTCGATATGGACAAAGCCGTTGCCGAACAGCCTGAATACGTC GTATTCAACGGTCACGTAGGTGCTATCGCCGGCGATAACGCGCTGAAAGCCAAAGCAGGC **ATCGGCGAAATCTTCGACAAAGTTTATGTTGAAGGCGGCAAACTGATTAACGAAAACGTA** CAAAGCACCATCGTTCCTGCCGGCGGCTCTGCCATCGTCGAATTCAAAGTCGACATCCCG GGCAGCTACACTTTGGTTGACCACTCTATCTTCCGCGCATTCAACAAAGGCGCACTGGGT CAATTGAAAGTAGAAGGTGCAGAAAACCCTGAAATCATGACTCAAAAATTGAGTGATACC GCTTACGCCGGTAACGGTGCAGCTCCTGCTGCTTCCGCTCCCGCAGCTTCTGCCCCGGCA GCCTCTGCATCCGAAAAAAGCGTTTATTAAATTGGATACCCGTCATTAGCGGGACGAACC ACTGCCGCTGTACTTCATTACGCACGGCGGTGGTTTTTTAACAACCAATCTTTCCTTTCG GAAGATTGATTTTAACCGCCTGTCAGGAGGCTTTATGAAGTATGTCCGGTTATTTTCCT CGGCGCGCACTCGCCGCACTCAAGCGGCGCTGCCGAAATGGTTCAAATCGAAGGCGG CAGCTACCGCCCGCTTTATCTGAAAAAAGATACCGGCCTGATTAAAGTCAAACCGTTCAA ACTGGATAAATATCCCGTTACCAATGCCGAGTTTGCCGAATTTGTCAACAGCCACCCCCA ATGGCAAAAAGGCAGGATCGGTTCCAAACAGGCAGAACCCGCTTACCTGAAGCATTGGAT GAAAAACGGCAGCCGCAGCTATGCGCCGAAGGCGGCGAATTAAAACAACCGGTAACCAA TGTTTCCTGGTTTGCCGCCAACGCCTATTGCGCCGCACAAGGCAAACGCCTGCCGACCAT TGACGAATGGGAATTTGCCGGACTTGCTTCCGCCACGCAGAAAAACGGCTCAAACGAACC TGTCGGCAAAGGCCGCCCGAACTACTGGGGCGTTTATGATATGCACGGGCTGATTTGGGA ATGGACGGAAGATTTCAACAGCAGCCTGCTTTCTTCCGGCAATGCCAACGCGCAAATGTT TTGCAGCGGCGCGTCTATCGGGTCGAGCGACTCGTCCAACTATGCCGCCTTCCTCCGCTA CGGCATCCGTACCAGCCTGCAATCCAAATATGTCTTGCACAACTTGGGCTTCCGTTGCAC AAGCCGATAACCCCTTCAATTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCC TTGCCGTACTGGTTTTTGTTAATCCACTATATTCCGCCATCTCTAAGATTTACAGCGATA CACGGGTAATTTAAGGAATGCCCGAACCGTCATTCCCGCCACTTTCCGTCATTCCCGCCA CTTTCCGTCATTCCCGCCACTTTCCGTCATTCCCGCAACTTTTCGTCATTCCCACGAACC TACATCCCGTCATTCCCACGAAAGCGGGAATCCAGTCCGTTCAGTTTCGGTCATTTCCGA TAAATTCCTGCTGCTTTTCATTTCTAGATTCCCACTTTCGTGGGAATGACGGCGGAAGGG TTTTGGTTTTTTCCGATAAATTCTTGAGGCATTGAAATTCTAGATTCCCGCCTGCGCGGG **AATGACGATTCATAAGTTTCCCGAAATTCCAACATAACCGAAACCTGACAATAACCGCAG** CAACTGAAACGTCATTCCCACCACTTTTCGTCATTCCCACCACTTTTCGTCATTCCCACA AGGACAGAAACCAAAATCAGAAACCTAAAATCCCGTCATTCCCGCGCAGATGATATGTT GCCCGTCAACACAAAATAAAAAACAAAGTTGCAATATACTGATTTATATTGTTATTTTTA TTTACGTTTATTTACGATATGCAAATGCACGGTTACACAAATATATTCGCGTAACCGTTT **AATTTTGTTGAATTTTATTGATTCAATCGGTGTCTTTCCGCATCGTAAGGCTGGCCGGTT** TTAACAATGTAATAGGCGAGCTTCGCCAGTTTGCGCATGATGGCAACGATGATTACCATC TTTGGCTTACCCGCTTTTTTCAGATTATTTATTAATTTCGGAAATGCGTTAAAACGGTAA GCACAAAGGGCGGCATATACAGCGTACTTTTTAATCGTCTGTTTCCGTATCGGCTCAAT CTGCCCGACCTCTTACGCTTGTCCCTGATTGTATGATGGCGGGATTTAATCCGGCATAG GATACAAACTGGTTTGCGGTTTTAAAATGTTTTTCTGTCAGTTGCGCATAAAGAACTGAT GCGGTGTCTTTGCCTATGCTCGGGATGGTTTGAAGATTGCGGTAATGGTTATTGTCCGTT TGTTTTTTGATTTGTTCGGATATGGCTATTTTTACCTGTTCCATCTTGTCCTGTATGGTA TCTATCAAGTCTTGATGTATGTTCCTTATGAAGTCTTCTTCAGTGCTATGAAGACGGTTT TTAATTTGCTTCTGATGTTGATGTAATTGATTTTTAAGGTTAATCAGTTTTTTGCAGTGCT TTGTTTTTGGGTATCTGATACGGTATCAATGTATCTTGATGCCTTTTTATGTAGTCTGCT ATCAGGTTTGAATCTGCTTTGTCGGTTTTGGTACGGTTAAACCTGCTTTTTCCGTAGTCC

TTGATTTTTAAGGGATTAATAACGTAAACAGTATAGTAGGAAGAAAGCATATCTGCTGCC TTTTCGTAATAGATGCCTGTTGCCTCCATGCCGATATAGACTTTTCTGATTCTGTTTCCC TTTATCCACAATCTAAACTGTTTTAATCCATCATCATTATTCTTAAATTTAATGTAATGG ATACTTCCGTTTGTTTTATGCAATGTTGCGTCTATGGTGTCCTTTGAGATGTCCAGCCCG ATTATATTCATTGGTATTTTCCTTATTTATACAGCCTTGATACGGCTAGGATGATATTCA ATTTCGAGGATGGATAAAGGCAGCCGGCATTTCTACGCGTCTGTTTTAATACATTGCGGG ATTTGCTGCCTGACTGCCTTAGCCCTTGCTTTGCGCGAAACAAAGACCCGTAAACCGTCT ATATTCAAACGGTTTACGGGTCTTTTTTCTCTCTTTGCCGTTTTCTTCAGTTTGCCGATCC GACCACGCCCCGCCGATTCCTTCAAACGGTTTCCCGCGTTCTTCCCAATTATCGTACAT TAGGTTCTGCTACGGTTTTCCGCCCAATGTGGCAACTTGCGCCCTGTCCGAATGTTGCTG CGCGCTTTGCTGAACTTCCTGCCCTTGGCTTTCTTCTTTGTATGGGTTAAACGGCAAGCC GTTTTTTACATAGTCCTTGCACATCAACTCCGTCACTTCTTTCAATGCCGTCCCTTGATG CGAATAGCAGGCGCATCCGGTTCTTCCGCCTTCTATACAGCCTGCTATATATTCAAAGGT TCTTACCTGCCTTACACCGTTATAAATCGGCTTGCTTTCGGGTTTTTCGGACAATGTCGG . AACAAACATATCTGCGGTAAGGTTGCCGTTATTTACCGGCTCGCCTTCTGTTTTATCCGG **AAGTACTGCCTGCTGTTCTGTTGCCGCCGATTCTTGTGCTGCGGGTTCTTCCTGTTTTTT** TCCGTAACTGCTCAACATTTTATAGGACAGGCCGACAAACACGGGAATCAGCAATACTAT TACTGGCAGAGTGTAAAACCACTTTGACCGCTTGACCTTATTTACGGTATGAACTTCCGC TGATTCGTACAAGTCATAAACTTTTTTATCCAGTGTATAGATACTGGAGAATGCGCTTGA TGCCATTTTTACGGGATCGTCCGCGCATATTTTCCATTCTAAAAGCGTACGCATACCCAT CTTGTTTGAAGCGATGTGGTAATGTTTCCGTACAAGCGTTCTAAGATTTTGATCTAGAAG CTTAGGACCTTGAGTCAAAACAAATATATCAATGCCCTGATGTCTGTGCGTATTCAGCCA TTGGACATTTTCAGGGATTTTTGAACCTGCCGAGCGTGCCGGCCATACGTCTTGAGCTTC **ATCTACAATGACAATAGACCCGATATTTTCGGGCTTCTTTATCCATTCGTACATATCATG** CGCCGAAAGCTGCTCATCTGTCGATTTCGGCAGCTTTTTTGCGTCCGTTTCTATGTAGGT **GTGCGGTATTTTCAAGCCTTTTATGTTCGTAAATACTTTACGGCGTATGCCGTTTTCATC** AGGCTTAAACATTTCATCATTCGCCATCATGGAAACCATTTTTAATGTTTTCCCTGAACC TAGTTTTGTCATTTGTTTGAATGACAGAATAAAGGCGATCGCGCCAAACAGGATATTAAG **AACGGTTCCACCGCCGCTTATATAAAAAAGCTGCAACATCGCTTGAGGCGCGCCCGTTAT GCTATTGGTTATCGCCTGCTGAAAATGGGCTACCAATCTATCCACCCCTGAATAGGTTAC** CGCCATCAAGCCTAATGCAGTCAATATACGGCCTGCCACGCTCATCAAAAGCGGAATCAA TGCGGCCAACAATTTCATTTGCTATCCCTTTCTTAAAAGGCACGGTTGCCTCATTAAACA ACCCCCTCGCGCTTATCGCCAATCCCCCCGCGCTTCTCGGCTATTTGCGACATTCGTCG CAAAGTGCGCTGCCTTCCGCCAAAGTTTCCGAAGCTGAACGCTTTGCGGG GGACTAGTCCCCCACACCCCCTAGTCTCACTTGCGACGCCGCGGGGGCATGGGGACGGCG CAAAAGGCGCGCCTTACCACCTGCCCTTGCGGCAGAATGTGTTCTTTTGGCGGGGGCGG CAAGGGGTATCCAAAAAGATTTATAAAGACGATAAAGCCGTCTTTACAAATCTTTCTGGA CGTCCTCCCCTGCCTTGGTACAAGTTACTGAAGCCCGGCGGTGCTGCGCCTGCTAGACT ATGTACCTTAGCCGTTCGGCTATGGTACATGCGTTCTCAAAGCTGAACGCGAACTGCCTG CTTGAATCAAGCACAGTCACTGTGAAAGTGACAGGTGCGGGACACTGTGCGGAATCTTGA AAGATTCCTGATTTCTGAAACTCTACATTGACGGTTTCAGACGGCAGATTTAAATCTTCT GCCGGATTGGACTCGGGCAGCCTGTCGCAAGCGAGAATGTCGGGGAAGAATTTGCACAAA AGGCCGCCATCTTTGCCGTCCTTTCCGTCTTTGCCGTCCCTGCCGTTTGTGCGTCCCGGA TTCAAATCGGGGTCGGGTTCGGGATTGGGGCTCGTGCCGGGGTTCTCATTGGGGTTCGGG TTGTTTGCGGGGGTTTTCGGCGGGCGATACTTCGGGCAGCGGCTGTGCGTTCGGTGCTTCC GCGCTTCCGGGGGTCAAGTCGGGACGCGGGATTACTTGAACATCCACCGTGGTGTTGCCT TGCGAATCCCTGCCGAATGTTGCGACAACCTGAACGGGATTCCCGTTCCTGTCCGTGACG GGACCCATATTCACTTTTGTTCCGGGTGCGACTTCTACTTTTTCGGAATAACCGGGATAA CCGGTTGCCTTTATGTATTTGTCGGGATTGGCATCGACTTTCAACGATAAAATCTCTTCC AGCTTTTTGGCATCCATTTCTTCTTTGTATTTTGAATTGCGAATAAGGGAAAAATCAGCC CCATTCTGAAATCACCTTTATTGACCAAACAATCTCCGCCATTCCAATTAAATGTG CAACGATTTAAAACAAAATTATTCCAATCCAAAGAACTTAATTTATTCAGTTCTTCTTTA TGCCAATTCCAAAACGGACGTGCCAGCCTATACATTTGGCTTTCCATCAATTCTTTGACT TCGGGGAATCTGCTGTCATCGGACATAAGGCGCATAATCGAACTGTCAACGCCGTAGCAG CCATAGGTTCTATTAATACGTCTTTTGTCTTCGTACCAAAGGCAATTACTATATTCGTAG CCTTTTACAAATTTGTCGGTTTCGGGGTCGTATTGGTAGCCTTGTGCCTGTATGTCTTCT TTGAAAGTTTCGTATACGTCATGGGCTAAAAGGGCTGTTCCGACATAAGGAACTGCCCTT GTGCTTAATTTCGCGCCTAAGCGGGCAAGTTTGCCGACTCCTGACAAGACGGCGGCGCGCG GAAACTGATGCGGTAAATTTAACGGGGACTTTTTCAAGAGAGCGTGCACCTGTTGGCACG TGTTCTATTATTGAAGGTTCGATAATTCGACCTGAAAAACGCTGACCATCAACACGAAAA TCGGTAACTACAGATTTTTTATGATCAATATCCAATCTAACATCTGAATTTCCAATAGGA TACTTAAAACGTTCAGCATAAGAATTAACCGAAAACATCCCCAACATTAGGATTAAAATC **AAACGTTTTAATTTCAATTCCACGACTATAATCATCCTGTAATTCTAAAATTTTTATATA** CGCAACAGACTCATCAGAAAAATAAATTTTCCAAATATTATTAGAAATCCTTCTATTTAA AAAACATTGGATTTCTTCATGAATTATAAATTTATTAACTTTTGAATAATCCAAAAGCTC AAGTGCCAACTGCGCCTGCGTGATAAACGGTTTGTTCATTGTTCTGCCTTTCAAAGGTTG .CTTTTAAAAAATTAATCAAAAGCCTGAAGCCGTAAATGACTACGAACAGAATTAAAACCG TCGAACCGACATAAGAACCCTGTTTGATCTGCTCAAAATTGGAACATTTCGGATAGGACA

ACATTACCGGCTTTCCGTTCAAGACCCATTTTTCGCCCACCCTTTCCGGCCTGATGATTT TTGTATCAAAACAATTTATGCCGACACGATAGCCCATTTATACGCCCCTTTTTCTTCACT CTGTTTATTTGACAGATTTAATCATGCTCCAAGCCATTTTGAAGCCTTGGATTGCAAGAA TCACGGTAATGGCCGCCATACCCACGGCGGAAACCATTGACACGAAACCCATGATTACAT TCGCTACTTGCGTACCAATCGCGGATGGATCAAAGGTATCTGCCATAACAATGGCCGGTG TGAAGATACCGGCTGCCAAGGCTGCTTTTACAGCGTATTTTTTAACGATGTTCATCGTTT TTTTCCTTTTTTGATATTTAAAATAAGACGACTTCTTGACTTGCTTCATCCGGACGAAGT CTTTTCCGAATCTCGTTTTTAGCCGATAAAATAGAGGATTGCGAAAAGAAAAAGAAAACAT ACAGACCACCCAGCCGATAATTAGTGTTGCAAGGTTCATTTTCATGATATTTTTCCTTTG TTGCGGGCTTTGTGAAAGGTTGACAGACCGCCCGCCGAGCCTGTTTTTCTTTTATTCCGA TTTTACGAAGAACTGAAATATCTGGAATCCTCCGCCTATTTCATTTATGCCTGAATTCAA CGCATCTTCGTAGCTTTCAAATTGACCTGCTGATTTAATATTTTTGAGTAAACCCCACATC ACCGAAAGGATCGGGATAAATAAAGTCATGCGTTTCCAAGTCTTGAACTATGAAACGTTC TTCAAATTTCATAAATCAACCTTTCGGCTTTTCTGCCACCTGAAAATCAATTAATGAAGG AACCATGCCCTTACCTGTCGAAGTCATTTCAACCGTTACCATAACTTCGCACGGGTATTT GAGATTCTCTAATTTTGAGAAATTCTTACTGTCCCCGAACTTCATTTGTGCTGCCGTGAA TCCAACAGCATTTCCCGACTGTGCCGGCAAAGGTGTTGCAACCAATACGGAACAAGTGTC GATATTAGAGCCATCAATTTCGCCTTTGAATTTTTTAGCTCCTAAAAAAGTTGCGGGATA AGTTACAGTTTGAGTTTAAACATATTAATTTTTCCTTTTTTAGGTTAATTTTGATTT GCATGAAGATCATACATTCTGTCGAGATAAAGCTGATATTGCCTCTCACTTTCCACATCG TGATGTGGATCGAAAAGCCTTTTATCCGGATCGAATTTATCTGATTGCTTAAATTTGATA ATTCCGAGTTCTTCCAATTCAACCTCTAAATCTACATCCGGTTGTTCGTGGATAAAGCCG **AATTTCAAAGATTCCTTCAATCCGGCCAACGAATATTTTTCAGGTTCTAGCCCTTTGGGA** TACCCCAAATCTGCCTTCAGATATCTGACAATTTCATCACTATCAAAACCCATATCAAAC ATGAAATTAATCAGTTTGCCGACCGCGTTTTTTGCGTATCTCAATTTATGCTGAAAAGTT AAATTAGCCACTTTTTTACGGTAATCGAACCTTTCCGGATTCGGCATATTTTTAAATTTC TGACAAATCGGGAAAGCGCCTGAAAAGTAAGAACCTTGATTTATCAGAATATCCAAAGGT CCTAGCTGCCTGCCTTTCTCATAAACACGCACAAAACGAGAATTTTTCTTGCGACCTACA TAAAATGTCTTGCCGCTCCCGTCCTCTCCCGCCAAGCCGTTCCAACCATTTCAGATTTC GGCCTCATGTTACTGTTATCGAAAAAACCGTTATCGTGATCCAAAAGTGCCTGTTCCGGC GTGTACTCCCCATCAAAAAATCAAGTGCCAAATCTACCCGCGTTATCCTCGGCCTCAAT GAATCTTCCAAAAACTGCTTAAGCCTCAATTCCCAACCTGGATTTGCAATGTTGCAACCT ACACCTTTCAATTCGATTAAAACCGTATTTCGCTGACCTCCGTAATGGACTTCGCCGTAG TCAACTTCTTCCGATCCCAACCTAAACATCGAATCGTAAAATTTATTGCCCTTCGATTTG TATTCGGCATCGGAAACTAAGGGGCATCCGGAAACTTTCAGCAAGGAATCTTCGTGCAGT AATAACTTCCCATTGCCGTTAGATATGAAATGGGAAAAATATTCTGCTTCACTCATTTTG TCAGCCGTTTCCCGTCTGCCGCGCTAAAGCGCGTCCAACGGTCAACGACCGAAAGCCCAA TCCTGACAAACTGTTAAAGATCAAGAAGAAGACCACAACCGTCTGTTGTGATAATTACC GGAAAATTCGAGCCAACCGAATCTATATAATCGAACGCCTGATAAAGCTTTGAAAAATTT TCTTGTTCAGCGAGTTTATGCGGTTCACCATGCCTGAACTGATAGAAACATAAAACGCAA TAATCTGATTTTTTAAATATTCTCCAATAGGAACAAGAAAATATTACATTTGCTACTGAC ATAAAAAAGCCCCTTTCACTTGGCTGTCAAAGGGGAATGTTAAGAAAAGTAATGCGCCCC TTTGATAGAGCGCATCATATAAGGCGGGAATCCAGTCCGTTCAGTTTCGGTCGTTTCCGA TAAATTCCTGCTGCTTTTCATTTCTAGATTCCCACTTTCGTGGGAATGACGGCGGAAGGG TTTTGGTTTTTTCCGATAAATTCTTGAGGCATTGAAATTCCAGATTCCCGCCTGCGCGGG AATGATGAATTCATCCGCACGGAAACCTGCACCACGTCATTCCCACGAACCTACATCCCG TCATTCCCACGAAAGTGGGAATCTAGAATCTCAAACTTTCAGATAATCTTTGAATATTGC CCTGCACCACGTCATTCCTACGAACCTACATCCCGTCATTCCCACGAAAGCGGGAATCCA GTCCGTTCGGTTTCGGTCGTTTCCGATAAATTCCTGCTGCTTTTCATTTCTAGATTCCCA CTTTCGTGGGAATGACGGCGGAAGGGTTTTGGTTTTTTCCGATAAATTCTTGAGACATTG AAATTCTAGATTCCCGCCTGAGCGGGAATGACGATTCATAAGTTTCCCGAAATTCCAACA TAACCGAAACCTGACAGTAACCGTAGCAACTGAACCGTCATTCCCACGAAAGTGGGAATC TAGAATCTCAGACTTTCAGATAATCTTTGAATATTGCTGTTGTTCTAAGGTCTAGATTCC CGCCTGCGCGGAATGACGGCTGCAGATGCCCGACGGTCTTTATAGCGGATTAACAAAAA TCAGGACAAGACGACGAAGCCGCAGGCAGTACAAATAGTACGGAACCGATTCACTTGGTG CTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTT TTGTTAATCCGCTATAACAGCAACCTTGTCGCCGTCATTCCCGCAAAAGCGGGAATCCAG TCCGTTCAGTTTCGGTCATTTCCGATAAATTCCTGTTGCTTTTCATTTCTAGATTCCCAC TTTCGTGGGAATGACGGCGGAAGGGTTTTGGTTTTTTCCGATAAATTCTTGAGGCATTGA AATTCTAGATTCCCGCCTGAGCGGGAATCCAGTCCGTTCAGTTCCGGTCATTTCCGATAA ATTCCTGCTGCTTTTCATTTCTAGATTCCCACTTTCGTGGGAATGACGGCGGAAGGGTTT TGGTTTTTTCCGATAAATTCTTGAGGCATTGAAATTCCAGATTCCCGCCTGCGCGGGAAT GACGGCTGCAGATGCCCGACGGTCCTTATAGTGGATTAACAAAAATCAGGACAAGGCGGC GAAGCCGCAGACAGTACAGATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGA GAATCGTTCTCTTTTTTGTTCATCCGCTATATTGTGTTGAAACATCGCCACAAACCTGAT ATAGTCCGCTCCTGCAACATCATTGAAAATCTTTCTTTTTAATCAGTTAAAACCGAATAC GGAGTCGAAAATGAATCCAGCCCCCAAAAAACCTTCTCTTCTCTTCTCTTCTCTTCTT GCCGCAGCCCGTATTATGTGCAGGCGGATTTAGCTTATGCCGCCGAACGTATTACCCACG

ATTATCCGAAAGCAACCGGTACAGACAAAGACAAAATAAGCACAGTAAGCGATTATTTCA GAAACATCCGTGCGCATTCCATCCACCCCGAGTGTCAGTCGGCTACGATTTCGGCGGCT ACACAAAAGTGTTGAAAAGAAAACCAGGGCAACAGGATAAAACTGAAGACGGAAAATCAGG GAAACGGTACGTTCCACGCCTCTTCTTCTCTCGGCTTATCCGCCATTTACGATTTCAAAC TCAACGATAAATTCGATAAATTCAAACCCTATATCGGTGCGCGCGTCGCCTACGGACACG TTAAACATCAGGTTCATTCGGTGGAAACCAAAACCACGATTTATACCACTGCACCAACGG GAGACGCTACAGTGGGAGGCACTATCCCAGAGAGACCGAGTAGCAAACCTGCCTATCACG AAAGCAACAGCATCAGCAGCTTGGGGCTTGGTGTCATCGCTGGTGTCGGTTTCGACATCA CGCCCAAGCTGACCTTGGACACCGGATACCGCTACCACAACTGGGGACGCTTGGAAAACA CCCGCTTCAAAACCCACGAAGTCTCATTGGGCATGCGCTACCACTTCTGATTCCCCGATA CCGATGCCGTCTGAACCTTCAGACGGCATGAGACCTTTGCCTGCGTACTTGGTACGCTGG TCGCCTCCGAACATGGCGCGACACCCGACATTTCCGCCGAACGCATCGGGCGTTTCATGA ATCCGGTTTAAAACGCATGGAAAAATGCCGTCTGAAAGCCTTTCAGACGGCATTGTGCTT GAGATTCCGTTTACCAATGGCTGACAAACGCTTCCAAATCGGTATTCTTGGGCTTATGCA CTTCCTCTGTCGGCGTGCCGACCATCATCAGCCCGATGATTTTATCCTTATCCGCACAAC CGAAAGCCTCCCGCAACAGGGGGCTATTGACCCACATCCCCGTAATCCAGACATTGTCGA ATCCCTGAGCCGTTGCCGCCAGTTGCAGCGCATACGCCGCACAACCCGCCGTCAGCATCT GCTCCCATTCCGGTTTCGGCTTAGGCACATCGCGGTTCGGCGCAAACGTTACCCCGATAA CCATCGGCGCCATATTGCCCACTTTTTCCGCCTTTTTCATCGCATCGTCGCCGAAATTCA ATTCGGCAACCGTTTGCTTCAACACATCGCGAAAACGTTGCAATCCTACCTCGCCTTGAA TCACGGTAAAACGGAAGGGGCGCATATTGCCGTGATCGGGAACTTGGGTTGCCGCCTGAA ATATTTGTTCCAACTCCGCCGCATCGGGGGGGGGGGTGCTTCAGCTTTTTGGAAGATCGGC GGACACATATGCCGTCCGAAGGCTTCAGACGGCATATCCGGCATCAGCGCGGACGGCGGC AGGCTGCCAATATATCCATTTCCTTCCGATAGGTTTGGCTATTGGAAATGTCCATCAGCC GGCATTGGAAATCTATGCCCCCGTGTTGGCGGAAGGCTTTGGAAAACCACATAACCATCG GGATATGCGTCTGCCCGGAAGGCGCGATGGCGTAAGGCGCGGCGTGCAGGTACATCCCGT TTTCGCCCAAACTTTCGCCGTGGTCGGAAACATAATGCACCACGCTTTCCAAATCGTCGC GGTTTTCAAGTTTGCGGATAACCTTGTCGATAAACTGGTCCACATACAAAACCGTATTGT CGTAAGTGTTGACCAGCGTGGCGCGGGTGCATTTGTTGATTTCGTTGGTGTCGCAGGTCG GCGTGAATTTGCGTTCGGCTTCGGTATAGCGTTCGTAATACGTCGGCCCGTGGCTGCCGA TGGTATGCAGGATTAAAACCGCGTCTTTATCGTTTTTGTTGAGGACTTCGTCGAACTTAG TCAGCAGGATATTGTCGAGGCACTCGCCGTTGCGGCAGTATTCGGGCAGGTTGAGCGAGG TAACGTCGGTATTCGGCACTTTGCCGCACACGCCCTTGCAGCCGGAATCGTTTTCCAACC AAGTAACTTCCACGCCGGCGCGCTGCACGATGTCCAGCAGGTTGTCTTGGTGTTCGGCTT TGATTTCGTCATAATCCGTGCGGTCGAAGGTTGAGAACATACACGGCAGGGAGTGCGCGG GCAGCGGCGTAGTTTGGCGGCTGTAACCGTTCAAACCCCAGTTGGCGGCACGCGTGGTCT CCATATCCAATTGCGTATAAGGAATATTGGAACGCTTCCAATCTTTGTATTTCGACACGC CCGCGCCGATGAAATTAGACGGCACAATCAGATGGGTTACTGATTTATTGTTGCGGAAAA ACGAGGCGTAATCCTGATATTGCAACATTGCGATGCCCAACGCGCACAAAAAGGAAACGG CGGCAAGCACAAGGCGCGTCAAAAGCTCCTTATACCAAACGCGGTATTTAACCTTGACGG CGATATACGCCAGCGCGGCAATACGCCCAAACATACAATCCACAGCACATAGCCCGGCG TAATCAGGCGCGCGCTTTCGGCAGCCGTAGTTTGCAAGACATTATTCAACATCGACTTGT TGAAATAGATATTGAAAAATATTTCTTGGTAAGACACCGCCGCACTGATAACCAATATCA ACGGAATCAATACCTTATGCACGAAAGGCAGGCAATGACGTGAAAAACGAAATTACTTA AAAAAAACAGCACCACCGGCATCGTATAGAGGAAGATATCCGCCCCGGTGCCGTTAAAAG GATGAAGCTCGACAACTTTGGCAAAAAAGGCGTAATTCAATACCAGCGAGGAATACAGGG AAAGGAAGGCAATCAGCGCGGAAGAGCCGAGCTTCGGCCTCAGGTTCGGTTTTATCATTT GGAATGTGTCGGATAAGGGTTGGAAAAGGCATCCGGCATTTGGAATCCGGATTATTGAAA AAGATTCTTAATTATAAGGCAACGGAGCAAAGCAGGGCAAGAAAACGGCGGCTGTGCGGG GGGTTCCGCCCGCCATTCAAACGTCCGGCAGACATAAAAACATCGTAAGCAAGATTCGAA CCGGTCTGCAACCGCCCCTGCCAGAAAAACGGGCAAAGCATTTCATATTGGAAAAACCCA GCCGCGCCGACGGGACAGTCCGGCACAAACAGCATCACGCTCGGATTGAAAAGGACG GATAGCCGCCGGCAGCACCATCTTACCACCTCCAAAACGCCGCCGGAGAACGCCGAAACA GCCGATGCCGTCTGAAGCCGCTTCAGACAACATCGGGACATCAACCGTAACGCCGTTGGA AATCGCGCATAAAATCTGCCAAAGCCCGCACGCCTTCAAGCGGCATCGCATTATAAATGC TGGCACGCATACCGCCGACGGTTTTATAGCCCTTAAGCAGGCACAAGCCCTGCAATTCGG TAGAACGCGCATTCGGACGGATACGGTTGATATAAAAACCATCGCTGCCGTCTATCGTCT CATACAAGGTTTGCGCCTTCAGCCGATTGACCGCTTCAATTTTTTTCACACCGCCCTGCG CCTGTAGCCAGCGGAACACCAGCCCCGACATATAAATCGCGTAAGTTGACGGCGTGTTGT ACATACCGTCGCGGTTGATGTGCGAACGGTAGTTGAACACATCGGGAATATCGTTCGGAC AACGCTCGAGCAAATCCTCACGCACAATCACCACCGTAACTCCTGCCGGCCCGATGTTTT TCTGTGCGCCTGCGTAAATCAGTCCGTAGTCGGCAACATCAAACTCGCGCGACAAAATCT CGCTGGACATATCGCACACCAGCGGCGCATGCCTTCTGAAAGGCACGGCACTTCACGGT ATTGCAGCCCGTTGACCGTTTCATTGACGGCAAAATGGACAAACGCCGAATCGGGTGCAA CATCCCACGTTTCCACAGGCGGCAGGTCGAGATAGTCGAACTGCTCGCCGCCATGCGCCG CCAAACGGATTTCCGTATCGGTCAAACGGCTCATCTGTTCATAAGCGATACGGCTCCAGT TGCCCGTTACCACCGCGTCGGCAGTGCGGAAACCGTGTGCCAGATTCATGGCTGCCATAT TAAATTGGGTTGTTGCTCCGCGCTGCAGAAACAATATCTTATAGTTGTCAGGCACTTTCA AAAGCTGCCTCAAATCCTGTTCCGCATGATGCAGGATGCTCAAAAACATTTCCGAACGGT GGCTCATTGCCATCACAGGAAAACCCGTACCGTTGTAGTCCAACATTTCCTGCCGCGCCG TTTCCAACACGGCTTCGGGCAATACGGCAGGGCCGGCGGAAAAATTGTAAATCGGATAAA CTTTGTGCAAGGATGGAAAATACCTGTCCTCCGCCCGATTCCATGCCGCCCGAACACGGA AAATAATATCAATATTGATTTACAAACATAAAAATCATGCACGCGACAAATAGATACA TTTGTTTTGTCAACAATATTCACGATTTCCCATTACAAACCTCCCTTACACCCGCTTTTT TCCGTCCCAAAAACACAAAATAAATCAACACTTTCATTTCTCCGCAAAAGCGGTTATAAT TAGGGAGCAGCATGGATATCCAAACCATCCTCGAAAAAACCCTGCCCGGCCTGGGCTACG AACTGGTCGATTTCGAACTGACCGCGCAAGGAACATTGCGCGTGTTCATCGACAAAGAAA GCGGCATTACCGTCGAAGACTGCGCAACCGTCAGCAACCACTTGAGCCGCGTCTTCATGG TTGAAGACATCGACTACAAAAACCTGGAAATTTCCAGCCCCGGACTCGACCGCCCCTTGA AAAAAGCCGCCGACTTCGTGCGCTTTGCCGGTCAGAATGCCAAAATCAAAACCCGCCTGC CGATAGACGGTCAGAAAAACTTTATCGGTAAAATCGAAGGCTGCGAAAACGATACCGTTA CCGTATCCTTCGACGGCAAAACCGTACAAATCGAATTGGGCAACATCGACAAAGCCCGTC TGCGCCCGAATTCAAATTCTAAAACACAACAATATTGGAGATGTTCAAAATGAGTCGTG AAATGTTACAGCTGGCAGAAGCACTGGCAAGCGAAAAAAACGTTGATGCGGAAGTCGTCT TCCAAGCACTGGAATTCGCCCTGTCTACCGCCGCCAAGAAAAAGGCAGACCGCGAACACA TGGACGTGCGCTCCAAATCAACCGCGACACCGGCGAATACCAAACCTTCCGCCGCTGGC TGATTGTCGCCGATGAAGACTATACCTATCCCGATGTCGAAAAAACCATCGAGGAAATCC AAGAGGAAATTCCCGGCACTACCATCCAAATCGGCGAATACTACGAAGAGCAGCTGCCCA ACGAAGGCTTCGGCCGCCAAGCCGCGCAAACCAAACAAATCATCCTGCAACGCATCC GCGATGCCGAGCGCGAGCAGAATCTGAACGAGTTTCTCGCCGTCAAAGAAGACATCGTGT CCGGCACGGTCAAACGCGTCGAACGCCACGGCATCATCGTCGAAGTCGTTGCCGGCAAAC TGGACGCGCTGATTCCGCGCGACCAAATGATTCCGCGCGAAAACTTCCGCAGCGGCGACC GCATCCGCGCCTCTTCCTGCGCGTCGAAGAATCGGCAACACCGGCCGCAAACAAGTCA TTCTGAGCCGTACTTCCGGCGATTTCCTCGTCAAACTGTACGCCAATGAAGTACCTGAAA TTGCAGACGGCATGCTTGAAATCCGCGCTGTCGCCCGCGACCCGGGACAACGTGCCAAAG TCGCCGTCAAAGCCAACGACCAGCGCATCGATCCGCAAGGCACCTGTATCGGCGTTCGCG GTTCGCGTGTCAATGCCGTCAGCAACGAATTGTCCGGCGAGCGCATCGATGTCGTCCTCT GGTCGCCCGAACCCGCGCAATTCGTGATGAGCGCGCTCTCACCCGCCGAAGTCAGCCGCA TCGTCATCGACGAAGACAAACACGCCGTCGATGTCATCGTTGCCGAAGACCAGCTCGCGC TCGCCATCGGGCGCGGCGAAAACGTGCGCCTTGCTTCCGACCTGACCGGCTGGCAGC TCAACATCATGACTTCCGCCGAGGCAGACGCAATGCGGCAGAAGATGCCGCCATCC GCCGCCTGTTTATGGATCACTTGAACGTGGACGAAGAAACCGCCGACGTACTGGTTCAGG AAGGTTTTGCAACCTTGGAAGAAGTCGCCTATGTTCCTGCCGCCGAACTGCTTGCCATTG AAGGATTTGACGAAGAAATCGTCGATATGCTCCGCAACCGCGCCCGCGATGCCATCCTGA CCATGGCGATTGCCGCCGAAGAAAACTGGGCGAAGTGTCCGACGATATGCGCAACCTCG AAGGCATAGATGCCGATATGCTCCGCAGCCTTGCCGAAGCAGGCATTACCACCCGCGACG ACTTGGCAGAGCTTGCTGGGACGAACTGATTGAAATCACCGGTGTAAACGAAGAAACCG CAAAAGCCGTCATCCTGACCGCACGCGAACACTGGTTTACCGAAGACAAATAAAGGGGGT ACAGATGAGTAACACAACCGTAGAACAATTTGCCGCCGAGCTGAAACGCCCCGTCGAAGA CCTGTTGAAACAGTTGAAAGAAGCCGGCGTCAGCAAAAACAGCGGCAGCGATTCCCTGAC GCTGGACGACAAACAGCTTCTGAACGCCTACCTGACCAAGAAAAACGGCAGCAACAGCAG CACCATCAGCATCCGCCGCACCAAAACCGAAGTCAGCACCGTTGACGGCGTAAAAGTCGA AACACGCAAACGCGGACGCACTGTCAAGATTCCTTCTGCCGAAGAATTGGCAGCACAGGT AAAAGCCGCCCAAACCCAAGCCGCACCTGTCCGGCCGGAGCAGACGCCAGAAGACGCGGC AAAAGCCCGAGCCGAAGCTGCCGCACGCGCAGAAGCCCGTGCCAAGGCAGAAGCGGAAGC GGCAAAACTGAAAGCGGCAAAAGCAGGCAACAAAGCCAAACCTGCCGCGCAGAAACCCAC CGAAGCAAAAGCCGAAACCGCACCCGTTGCGGCGGAAACCAAACCCGCCGAAGAAAGCAA AGCGGAAAAAGCCCAAGCCGACAAAATGCCGTCTGAAAAACCCGCCGAGCCCAAAGAAAA AGCCGCCAAGCCGAAACACGAGCGAAACGGCAAAGGCAAAGATGCCAAAAAACCGGCGAA ACCTGCCGCACCTGCCGTGCCGCAACCCGTGGTCAGCGCGGAAGAACAGGCGCAACGCGA CGAAGAAGCACGCCGTGCCGCCGCACTTCGCGCCCACCAGGAAGCCCTGTTGAAAGAGAA ACAGGAACGCCAGGCACGCCGCGAAGCCATGAAACAACAGGCAGAACAACAGGCAAAAGC CGCACAGGAAGCCAAAACCGGCAGACAGCGTCCCGCCAAACCTGCCGAAAAACCGCAGGC CCGCAACCGCGATGACGAAGGTCAAGGCCGAAACGCCAAAGGCAAAGGCGGAAAAGGCGG ACGCGACCGCAACAATGCACGCAATGGCGACGACGAGCGCGTACGCGGCGGCAAAAAAGG TCATGAAGTTTTGGTTCCCGAAACCATTACCGTTGCCGATTTGGCGCACAAAATGGCGGT CAAAGGCGTGGAAGTGGTCAAAGCCCTGATGAAGATGGGCATGATGGTTACCATCAACCA ATCCATCGACCAAGACACCGCCCTGATTGTGGTGGAAGAACTCGGCCACATCGGCAAACC TGCCGCAGCCGACGACCCTGAAGCATTCTTGGACGAGGGCGCGGAAGCAGTGGAAGCCGA AGCATTGCCGCGTCGCCCGTCGTTACCGTGATGGGCCACGTCGACCACGGCAAAACCTC GCACATCGGCGCGTACCACGTTGAAACCCCTCGCGGCGTGATTACCTTCTTGGACACCCC GGGCCACGAAGCCTTTACCGCTATGCGCGCACGCGGTGCGAAAGCAACCGACATCGTGAT TCTCGTGGTCGCCGCCGACGCGCGTGATGCCGCAAACCATCGAAGCGATTGCCCACGC CAAAGCTGCGGGTGTACCGATGGTGGTTGCCGTCAACAAAATCGATAAAGAAGCCGCCAA CCCAGAGCGTATCCGCCAAGAGCTGACCGCACACGAAGTTGTGCCTGACGAATGGGGCGG CGATGTACAGTTTATCGACGTTTCCGCTAAAAAAGGCCTGAACATCGATGCATTGCTCGA AGGCATCATCGTEGAGGCGCGCTTGGACAAAGGCCGCGGCGCGCGGTTGCCACATTGCTGGT TCAAAGCGGCACGCTGAAAAAAGGCGATATGCTGCTGGCCGGTACGGCATTCGGCAAAAT

CGAAATCCTCGGCTTGTCCGACGTACCGAATGCGGGTGAAGACGCGATGGTATTGGCGGA CGAGAAAAAAGCGCGCGAAATCGCCCTCTTCCGCCAAGGCAAATACCGCGACGTGCGCCT TGCCAAACAGCAGGCGGCGAAGCTGGAAAATATGTTCAACAATATGGGCGAAACCCAGGC CCAATCTTTGTCGGTCATCATCAAGGCAGACGTGCAGGGCTCTTACGAGGCTTTGGCGGG CAGCCTGAAAAAACTGTCCACAGACGAAGTGAAAGTGAACGTGTTGCACAGCGGCGTGGG TAACGTGCGTGCAGATGCCTCTTCGCGCAAACTTGCCGAAAATGAAAACGTGGAAATCCG CTACTACAACATCATCTACGATGCCATCAACGACGTGAAGGCGGCGATGAGCGGTATGCT TTCCCCGGAAGAGAAGAACAGGTTACCGGTACGGTCGAAATCCGTCAGGTCATCTCCGT TTCCAAAGTCGGCAACATTGCAGGCTGTATGGTTACCGACGGCGTGGTCAAACGCGATTC CCATGTCCGCCTCATCCGCAACAACGTGGTTATCCACACGGGCGAACTGGCTTCGTTGAA ACGCTATAAAGACGATGTAAAAGAAGTCCGCATGGGCTTCGAGTGCGGTCTGATGCTCAA AGGCTACAACGAAATCATGGAAGGCGACCAACTGGAATGCTTCGACATCGTCGAAGTTGC CCGCAGCCTGTAATTCCTTTGCAAATAAAATGCCGTCTGAAGCGTTCAGACGGCATACGA AACGGGTTCTGTATCATACAGAACCCGTTTTTTGTCGCAAATCGGCTTCAGACAGCCCTC TTGCCTTATCCCGATTTGAATCTGACTTGCCATACAAACAGGCTTCAGACGGCATTATTT GCCCGCTAAACGTATCCCAAGCTTCTCCGCATATTCCCTGCGTTCGGCGCGGCTGGTTTC CGGGCGGTGCGTATTGAGCGACGACCATTTCCAATGACTGCGGGCTTTGTTGAGTTCGGG CGGGAGTCTGGCGGCATCCCACGGGACTTTGCGGCTGTGCAGCTCGATATCCGACTGTGC CAGGGTTTCAGGGTCGGTGTGCAGGGTTTGGCGGCCAGCGAGTTTGTCGGAAATGGTGCG GGTGCGGATGCCGTATTGTTTGAGCAATTCGCTGTCGAACGGGTCTTGGCGGAAGGCTTG CGGCATCCAGTCGCCGCCGTCGATTTCGCTGTGGTAGAAACGGTAGAGGGCAAACAGCCG CTGCTGCATCTGCCGTTCGAGTTGGCGTATTTCCGCCTGCATGGTTTGCAGCACGGTGGC GGTATCCTCGTTTTCGTCCACTTCCTGCCTGAAGGCGGCGGCATCAATTAAAAAGTCGGC GATTTCGCGGCGCGCTTCGCCGTCCAGCCGCTGCCATTCGCCGCCGCGCGCATGGCTGTCAG GCGGTCAAGTGTGCTGCGTTCGGGCAACATGGTGGCGAGGTTTTCCCACAGGCGCAGTTC GCCTTCAAAATCAAAGGCGACGGTGTCGAACCCTGCGAAAACGTGCAGGTTTCTCCTCGC CAGCATGGTTGTCCACGATTCGGGAAGCTGTCCGCCGGTAAAGTTGAACACGGGCATAAC CGGTTTGGCACACCATGAAAGGATGGTCAACTCGTCCCTGTATTTGTCGAGGACGGGTTC GCGCGCGTCGATGACGTACATTGCCATATCGCTTTGCAAGACTTGCCGTAAGACTTTGGC TTCCTGATTGAAATCATGGTGCGCACCGTGGCTGCCGAGAAACTGTTGCAGCCGTTCGAT GAGTCCGGGCGTGTCGTACAGGAAAACCAGCGTGTCTGCGCCGTCGCTGATGGCGGCTTC TTCGACATGACGCGTGGTCGATGGGGCGTTTTTGACTTCGCCGAAACCGCTGTCGCGCAA AAGGGTACGCAGGAGCGAGGTTTTGCCGGTGTTGGTGTGTCCGACGACGGCGAGGGAAAG GGGTTGTTTGTTCATGATGTTTTTGAAGAATGGATTTTCAGACGGTCTTTTTTCAGAATG GCGGCTTAACAGAACATTTCAAGTGAGTTTATTGGTCTTTCAAACGCCCTTCCTGCGCCG CCCTGTCAGGCTCAAGCCACGCCGCGCCGCATTCGGCCAGCGCGTTACGCCAATGTTCCA GCTTTTCCGAAAGGTCGTCTGAAAGCCCCTGTTCCGCCAAAAGCTGCACCACCGCGCCGC CCTGCGCCGCTTCCGAGAGTCGGACAATCTGCCGCAACACGCCGCGGCCCGCACAGTTT GGGCGCGCACGCCGATAAGCAGTTGCGCCGGTTTCTGCTTCAGCTCTGTCTCCAGCGCGG CAACCTGTTCCCGATTGGTGGCAACGCCCTTATCCAGCCATTCCTGCGCCAGCCTGCCCT CGAACCATTCGCCGTCCTGCCACTCGGTCTCCAGCATGACCGCCCATTTCGGCGCATCGT TCAAGATGATTTTCGGTGAAACGGCGGACACGGTTTCCCGACGCGTATCCGCATCGGTGA TTTTGTTCTGCCAGCGGCGGATGACCGCCTGATAATAGGGCTTTTCCAAATCCAATCCGT TTTCGCTTGTTTTCAAAAGGATTTTACACACTACCCAAGCCAGCAGGCGCGGCAGGATGC CGTAGCAGGCGATACTGCCGACCAGCAGCCCGACCAAGCCCGCGCATCGGCAATATTGC CGTTCAGACGGCCTTCGATGACCGCCCGCGCATCGGGGACAGGGAAACCGAGTTTCGACG GCAGCCATGCCAACATTTCCACCGCGCGTACCGAAGCGGCATTGCTCAACAGCGTGCTTT CCCAGTTGAACGTATATTGCCGCACCAAAAGCAGCAACAA TACCGACACCAGCATTCCGA GCAGCGTGCAGAGCCACAGGCTGTGCGACGTTGCGCCTAT TTTCCAACGTACCGAAGGTT GCCGCCACTCGTCCGCATACAGCCGCAACACCGCCTGATTTACAGGGTCTTTGCCCCGAA ACCACGTCGCCGGACTGCTGAAAAAACGCCCCACTTTCACACGCAGGAACAACATTGCCA TCAGACCCTGATTGTCCATTAGAAGATAAGTGACTGAAAAAACCGGTAAAAAATGCAAACG TCGCCGCCACCACCACAACCAGAACGACCCCGCACGCACACGTTCCAACGTCTCCCGCA GCATACGGTTCCTGTCAATCATCTCCGCCCGACGGATGATTTTTTCCTCCGTACTGCCGT CCACGCGGCGCAAAGCCTCCGTCGCCTGTACGGGATCGCCGCTGAAAATAAAACCGCCTT TGARAATAAAAAACAGATTTTAACACACGCATTTTCAAGA.ATATTCACAGTGTAGGCAAA AAGATTGTGCGATGTATACAGGCGAACGCTTCAATACTTA CAGCCATTTGAGCGGTTTGA TTCTGGCGGCGGCAGGTTTGGCGCTGATGCTGCTGAAAACCATAGGACACGGGGACGGCT ACCGTATCTTCAGCGTATCGGTTTACGGCATCAGCCTTCTTCTGCTCTATTTGAGTTCCT CGCTGTACCACGGAATTGCAGCCGGAAAACTGAAAAGCAT TTTGAAAAAACCGACCACT GCATGATTTATGTGCTGATTGCCGGAAGCTACACACCGTT TGCACTGGTTTCTTTGAGAA ACGGGCCGGGCTGGACGGTATTTTCACTGTCCTGGCTGCTGGCGGCTGCAGGAATCGCAC AAGAACTCACCATCGGACGGAAAAGCGAAAAACGTCTGCTGTCTATTGTGATTTATGTCG TCATGGGTTGGATGGTCTTGGCGGTAATGAAATCCCTGACAGCCTCACTCCCGTCGGCAG --GACTGGCTTGGCTGGCGGCAGGCGGTATGCTGTACAGTGTCGGCATTTACTGGTTTGTAA ACGATGAAAAAATCCGACACGGGCACGGAATCTGGCATCTGTTCGTATTGGGCGGCAGCA

TCACCCAATTTGTCAGCGTGTACGGTTACGTAATCTGAATGCCGTCTGAAAAGCAAAACC TCCCGTTCCTGAAGATTGGGAGGTTTTCTGTTTGCCGGACATCAGCCCTTGTCGTGGAAC TCGTGGAATTCATACTGATAGGACAAATCCCGACCCGCTTTTTTCTGTGCCAAATAATCA TCATAAATGGCGCGGATTTCCTTACGCAACAAAAACAGGGCTATCAGGTTGGGGATAACC AAAACAATGGCAAGCAGAACCAATGCGCGATAGATGCCCAAGTGTCTTCCCCTGAAAAGA **AAACGGATATTGGACTCGCCGAAATAATACCAACCGATGATGGTGGTGAAGGCAAAGAAG** GTCAGACACGGCAAGCAATTGCGAACCGAAGCCCGGAAATGCCTTGTTAAAGGCAAAT TGAGTAACCGCCGCGCCCTGTTCGCCCGAAAGGTTGGCATCGGTCAGCAGGATAATCAAT GCCGTÁGCCGTACATACCAAAATCGTATCGATAAACACACCGACAAATGCCGCCATACCT TGCTGCACAGGGTGCTTCACATCCGCAGTCGCGTGGGCGTGCGGAGTCGAACCCATACCT GCTTCGTTGGAAAACAGACCGCGCGCCACGCCGAAACGTATCGCTTCGCGCATACCGATA CCCGCAGCACCGCCCAAAACGGCTTCGGGATTGAAGGCGGCGGTAAAGATGTGGTTGAAC ATCGGCACAATATGGTCGGAAAATTCAAACAGGATAACGACGGCGCACAAAATATAAACA ACCGCCATAAACGGCACGACAAATTGGGCGATATTGGCAATACGGTTCACGCCGCCAATC ACAACCATGCCCGCAAGGACGCCAAGCACCAATACCGACTGCCAAAGAAGGCACATCAAAT GCAATGGTAACGGCAGAAGCAATGGAGTTTGCCTGTGTCGCATTACCGATAAAGCCCAAT GCGATAATCAACGCAATGGAAAAGAAACCGGACAAAAAACGCGCCGCGCCCCTGCCGATT TTCGGAGTCAGACCGTGGGTGATGTAGAACGCCGGCCGCCGATGTATTTGCCGTGGCTG ACGACGCGGTATTTCTGCGCCAGCAGTGCCTCCGCAAAAATCGTGGACATCCCCAAAACG GCAGAAACCCACATCCAAAAAATCGCGCCCGGCCCGCCTGCGGTGATGGCGGTCGCCACG CCGGCAACGTTGCCCGTACCGATTTGCGCAGATATGGCAACCGCCAACGCCTGAAACTGC GATAAAGACTTGTCGTCTTTATCGCCTTTGGCAAACAAGCCGCCGAATACGGATTTGAAT CCCGCGCCCAGCTTGGTAATCTGCGGCGCACCAAGATACAGCGTAAAAAAACAGGCCGATA CCCAAAAGCGCGTAAATCAGCAGGTAGTCCCAAAGGAACCGATTGACTGTACCCACCAGA ACAGACAATATATTTCCATAAAATAAACCTTATCTTACAATTAAAATGACTGCCTTCCA **AAAGACATTCCAATAAGGAAACACGGCGAGCAGACCGTATTTGCCGCAACAGATGCCTTA** ATTTCTTTATTTTTAAGCGGAAAGCGGAGGAAATCGCTTTCAGACAGCATAGACAACGGC ACGGCATAAAACAGGATATTTTGGGTACTTGCAACTTATGTTAAAATGCCGACCGTAAAA AATCTGACAAAAACAGATTAATTATTTGAAATAAGAAAGGAAATTTATGGCAGGCCATAG CAAGTGGGCAAATATCCAGCATAAAAAGCCCGTCAGGATGCCAAACGCGGCAAAATCTT TACCCGTTTAATCAAAGAAATCACCGTTGCGGCGCGTATGGGCGGCGGCGACCCCGGTTC AAATCCGCGCCTGCGCTTTGGAAAAAGCAGCCGAAAACAATATGCCCAAAGACAA TGTGCAACGCGCCATCGACAAAGGCACGGGCAACTTGGAAGGCGTGGAATACATCGAGTT GCGCTACGAAGGCTACGGCATCGGCGGCGCGCTTTGATGGTGGACTGCCTGACCGACAA CAAAACCCGCACCGTTGCGGACGTACGCCACGCGTTTACCAAAAACGGCGGCAACTTGGG TACCGACGGCTGCGTGGCGTTCAACTTCGTGCATCAGGGCTATTTGGTATTCGAACCCGG CGTTGACGAAGACGCGCTGATGGAAGCCGGCTTTGGAAGCCGGTGCGGAAGACGTGGTTAC CGCTTTGGAGGCGGCAGGTTACAAATCCGTTGACGGCGACGTTACGATGCGCGCCCAAAA CGAAACCGAACTCTCCGGCGACGATGCCGTCAAAATGCAAAAACTGATTGACGCGCTGGA AGACTTGGACGACGTGCAAGACGTTTACACTTCCGCCGTATTGAATCTGGACTGATACGC GCCCTTGCCCACGCCCACCAAACCGTCAGGACAACCGCCAGAAAATACGCCACGCTCCAA ACAGGCAAAGCAATTCCCAGCAGATAATCCGGTTCAGCACAATTTCCGAACCCGCGCACG ACAGGCTCGAACCAATCAAACAAAGGCCAGCCTTTCAAGCGGAACGTCCACGGCGCGCCG CACGAAGGAGCGGTTCCCGGCGGCAGCGACTGCAACCACAACTGATATGCCGCAACAGAA ATACCCGTAACGGCCGGAATGCTGATAAAGACAGCACCGAACAAACCGCCTGCCCTTCTT CTTGGTCTGCACATCAGGACAATTGCCGTACACAATGCGGTTGCCAAAACGCATAACCGC TGACTGATACACAAAACGCAAGGCTCCATACCCAAAACATACTGTGCCGCCAAAGAACCG GCAAATGCACAGACCGAAACGGCAAACAGCCAAACGGCTTTTCTAAATAACGGGGTC ATTTTCTCAACACACCAATCAAAATACCGATATGCCGATTTTGCTGGATATATCCCGAGA TGGCAAGGGACAAAACGGCGATTTGCCCGCACAATGCCCACAAAAAAATACATCCGGAGG ATTTGAATTTCAGCAAATTTAGCGAATCAAAAGTTTATTTCAATGAAATCATATGATTTT TTTGAATAAGCGGATTGATGGGTTTTTGAAGGAATTTGTTACCGGATAGCCATCGGGCAA GTTTTTTGCAAAATTTGAATCGGTCGGGTAAATTTTCAAAAAATAATTGACAGCGGATAA GAAACGGCGGATAATTCCCGCCGTCGAGTTGCTTGATGCAGCTTGATTTTTCTCCTCTAT TTTTTGAAATTTAATTACTTTTATTGTTTGAAATTCCATTCTTTAAGAAATTTAACAAGA GTCAGTTAATAGTTTCTCCTCTATTTCTCCTTTGTAGACTTGGCACACATTCAACTGGAT GTGTGCATTTTTTTTTTTTCTGAAGCAACAAGCCTCTGTGCGTGATGTTGTTATGTTTCATTT AGGTGTCAAACCGCATATCCGGTCTGAAATATTCAATCCAAAATCCAAAACCGGATTTTCT ATATTGCCTAGCATATCCCGATAGGCAGACATATCGGGCAAACGTACTTTAATCAGATAG TCGTATTCGCCCGACACCAAGTGGCATTCCATAATTTGCGGAATTTTCAGCACTTCTTTT TTGAAATCTTCGAAAATATTGCCCGATTTGGATTGCAGCTTCAGCTCGACAAAAACCAAT AAAGGTTTGCCCAACAGATGGGGATTGAGATGGGCGTGATAACCGGAAATATAATGTTCC CGCTCCAAACGGCGCACCCTCTCTGTAACGGGCGTGGTGGACAAGCCTACCTTCTCGGCA AGCTCCGTCATCGGGATGCGGGCATTCTGTTGAAGGATCTTAAGGATGCGGAAATCGATT TTATCTAGTTCTTTCATTTAGATTGCCTTGTATTTATTATTGATTTTAACAAATAGAGTA TATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTTGCCGTACTATTTGTACTG TCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATATTTGAGAAAGCGA TTATATCAGGAAAAGCAAACCGCCTTCCTACCTGAAAACTGCTGCTTCGGCTTGAAGACA

CAAGGTTCTTTAATATTTTAAAAGCCTTGCCGTTGGATTATAATCCCCCAACCGATTTCT TAATTTTGCTAATAAACACTTGCTTGGTAAGGAATGAATTTATGCGCCCTTTGAACGTGC AGATCAGGTTGGGCAACCTTAGGCACAATTATCGGATTTTGAAGGAAATGCACGGAGGCA AACTGTTGGCGGTAGTGAAGGCCGACGCATACGGACACGGTGCGGTCAGATGTGCTTTCG CGCTGGCAGACTTGGCAGACGGCTTTGCCGTGGCGACAATCGATGAAGGAATCAGGCTGC GGGAGAGCGGCATTACCCATCCGATTGTCCTTTTGGAAGGCGTATTTGAAGCATCGGAAT ACGAAGCGGTCGAACAATACTCGCTTTGGCCGGCAGTCGGAAACCAATGGCAGCTTGAGG CTTTGCTGATCCGCCATTGGAAAAAAACCGTCAAAGTCTGGTTGAAAATGGATTCGGGGA TGCACCGTACCGGTTTTTTCCCTCATGATTACGCTTCGGCATATGCGGCATTGAAGCAGT CGGAATATGTGGACAGTATTGTCAAATTCTCGCATTTCTCCTGTGCGGACGAACCCGAAA GCGGTATGACGGAAATACAGATGGAAGCATTCGATTTGGGTACGGAAGGCCTGGAAGGCG AAGAAAGCCTTGCCAACTCCGCCGCTATTTTGAATGTTCCCGAAGCACGCAGGGACTGGG GGCGCGCCGGTCTGGCGTTATACGGCATTTCCCCGTTCGGAGGAGGCGATGACAGGCTGA AGCCCGTGATGAGGCTTTCAACCCGTATTTTCGGCGAACGCGTTTTACAGCCGCACTCCC CTATCGGTTATGGCGCAACATTTTATACCAGCAAATCTACGCGCGTCGGCCTGATTGCCT GCGGTTATGCGGACGGTTATCCGCGCCGCGCCCCAAGCAATTCCCCCGTCGCTGTCGACG GCAAATTGACCCGGGTCATCGGCAGGGTCTCTATGGATATGATGACCATCGAGCTGGATG CTTCGCAAGAAGGTTTGGGACACGAGGTCGAACTGTGGGGCGATACGGTCAACATCAATA CCGTTGCCGAAGCGGCCGGAACCATCCCTTACGAATTGATGTGCAATATCAAACGTGCAA AATTCACTTATATCGAGTAATCAAGTCCAAACGAAAATGCCGTCTGAAGCCTTTCAGACG GCATTTCCCCATCAAAACCGCAATCAGTTTTTCATCGATTGAACCGGAGCCGGAATTCTG CCGCCTCGGTTGACGAATACTTCGCACGAACCTTCTTTGACCGGCATCACAGGCGCGTAG CCCAACAAGCCGCCGAACTCGACGCTGTCGCCGACGGTTTTACCGGTTACCGGAATAATG CGCACGCAGTGGTTTTGCTGTTGATCATGCCGATGGCGGCTTCGTCGGCAATGATGCCG ACGGCGGTCATGGCTTCGAGTTTGTCCAGCGTCAGCACGCCTGCTTCGGCGGCGGCAATC ATACCTTCGTCTTCGGAAACGGGGATAAACGCGCCACTCAAACCCCCGACCGCGCTGGAA GCCATCATGCCGCCTTTTTTCACGGCATCGTTCAGCAATGCCAAAGCTGCTGTTGTGCCG TGCGTACCGCAGACGCTCAAGCCCATTTCTTCAAGAATGCGTGCCACTGAGTCGCCGACG GCGGGGGTCGGCCAGCGACAAGTCGAGAATACCAAACGGGATATTCAGCATTTTTGAG GCTTCGCGGCCGATGAGTTCGCCCACGCGGGTAATTTTGAAAGCAGTTTTCTTCACTACT TCCGCAACTTCGGTCAATGTCGTTGCATCTGAATTTTCCAACGCGGCTTTTACGACACCT GGGCCGGATACGCCGACATTGATAACGCCATCCGCTTCGCCCGAACCATGAAACGCGCCC GCCATAAACGGGTTGTCTTCCACCGCGTTGCAGAACACGACAATTTTAGCGCAGCCGAAA ATATTGATACCGGCACGCGTACTGCCGATATTGATGGAGCTGCACACAATATCGGTAGTC TTCATCGCTTCGGGAATGGAGCGGATTAACACCTCATCCGAAGGCGACATCCCTTTTTGC ACCAACGCGGAAAAACCGCCGATAAAAGACACACCGATGGCTTTGGCAGCTTTATCCAAA GTTTGCGCCACGCTGACGTAAGAATCAGCATGGGTGGCCGCCGCGATTTGGGCAATCGGC GTAGTGACCAAGTCTTTGCCGACTGTGGTAATTTTATTGTAAATATTTTGGTTCAACACA TTGATATCGCTGCTGATGCAGTCGTGCAAATCAATGCCGATGGTAATGGTGCGGACATCA AAATTCTGGTCGGCAACCATTTTGACGGTTTCTAAAATTTCGCCGGATTGGATACTCATC ACATTCCTCCAACTCAAATGCGGTGCATCGCTTGGAAGATTTCTTCGTTTTGCATACGGA TATCAAGCGCGAGTTTTTTGCTCTCTCCGCAAACAATCCAAAACCTCTTGACGCGATT TGCTGCATTTTGAAGTGTCCACCAAGATAATCATAGTAAAAAAATCGTCCATCAGCTGTT GGCTGATGTTGAGAATATTGATTTGGTTTTCCGCCAAAATTTTTGGAAACATCGTACACGA TGCCGACGCGGTCTTTACCGATGACGGTGATGACTGAATTGTTCACAGGCTTACTCCTTG CAGATATCCGTTAAAGTCCGAAATTATACCACCGTTGGATTTTGAAGAAATATTGTCAAC AATATATACATACAAAATGCCGTCTGAAACTATTTCAGACAGCATCAAGATTCAGGGTTC GATTAAATAACCATCCTTATCCCACTGGGTTTTCCTGACCAACTTGTCATCCTGATAAAC AGCTTCGCTCTTTTTAGAACCATCTTCATACCACTCCAAAACCACCCCGTTGCGTTGATG GTGGCGGATAGACAGTTCCGAGAGTAATCGGCCGCTTTCATCCCAAGTCAGAATTTTGGC AGGCTCATCGTTGACCATAACCATTTCCGTCTTGATACTGCCGTCGGCATACCATTGCTT CCATACGCCGTTTGCCTATTTTGCTTAAACTGGATTTCGCTTTCCTTGCCGCCGTTACG GTAATAGCGGTATCCCGTACCCTCACTCAAGCCATTTTTATAAGGCATAACGGCAGATTT TTTACCGTTCGGATACCAGTTGACCCACTCCCGTCCGGCTTACCCTTGCTGAAGCCCCC CGCCATTTTTTCTGACCATTAAAATGCCACAAAATCAACATACCGTTTTGCAGGGTAGG CACAAAAGATTTGATTTGCGTTGAAGCAACGATATAAGGTTCAGAATATTTCTTCATCGA CGGATAATAAAAATCCTGCGCGTGCGCAATACCCGCCACCACTATATTGCCTGATATA AGCGGCAGAAGACATCGTCGCCGTCAGCTTTCCGTTCTGATTAAAATAAACAGAATAGGT CTGCGCCGGCAAAGCGGCCGAAAAACCCAACAGGACAGTTGAAAATACAATCCGAGATAA TTTTTTCATTGCAATAGCGATATAAAAACAAGGCTGTGTTTTAGTAATCTGTTGATTTCA ATTATTTGCAAGGGAAAAGACAATTATTTTCCGGTTAGGAATAAACCTATTCTATTGAAT ATATTGAAGCCAAGTACGCCTATCAACACTATATTAAAACACTGCCAAAAACAATTAACT TATAAACAATATGGTAAGGATTTCTCTGCCAAGCATCAAACCCGAGACAACGTATCGTAA CCAATAACTGCTCGCGCGTCAAGAGGAAAACAAAACCGTCGCCCCGCTGGTTTCCAACC AAGTAAAAGGCAACTCCGGATACGCTGCTTCCAATACATCCCTGTTATGCCCGATTTCCA CCAGCAATACACCTTTGGGATTCAGAAACTTTGCCGCATTCAGAAGAATCTGCCTGGTGG CATCCAACCCGTCCGCCCGCTGCCCAATGCCAATTCCGGTTCGTGCAAATACTCTTCAG GCAATAACTCAACCGATTCCGCATCCACATAAGGAGGATTGGAAACAATCAAATCATAAG TGCCTTCCAATCCTTCAAACAAATCCGTATGAATAAGCCGGATGCGTTCTTCCAAACCAT AATCTTCGACATTAATCCCTGCCACTTCCAAAGCATCCAAGCTCACATCAACCGCATCAA TTTGGGCATCAGGATAATGATGCGCCATCTGAATGGCAAGGCAACCGCTTCCGGTGCAAA

GATCCAAAGCATTATGCACCAACTCATCGTATTCTATCCAAGGACGAAGTCCGTCACCCA ACAATTCATAAATAAAAGAACGAGGTATGATTACGCGCTCATCCACATAGAAATCAAACT CTCCCTGCCATGCCTGGTGTCTCAAATAAGCGGCTGGAATGTGTTCGACAGCACGACGCT CAATAACCGCCAGCACTTCCTCTTTTTCAGCTTCCAAGAGTTTTGCATCAAGATATGGGG CAAGCATATCCAAAGGCAAATTCAAAGTATGCAGAATCAAATAAGCTGCTTCATCATGCG CATTATCTGTTCCATGACCAAAAAAGAGCCCTGCCTCATTAAAACGGCTGACTGCAAAAC GTAAAATATCGCGGATAGTCGTCAATTCTTGTGCTGCCTGATTAAACATAATATGAACCA TTCTGCGTATAGATACTTTTAATTATAACAGAAACAACAAGCAAACCTTTTCATATCGCC AAATAACCACCCAATCTACCCATACAACTACATAAATGCCCGCGCGAAAACCATCGCCCG AACGGAAACGACAATGGCCGACGGTATGGGCAATCTGATTGGCTGGGAAAAAACGGGGCT TGTTGTCGGTAAGCAGTGGATAACCGCAAAAGACGACAAGGTGTCCGATGTCTGCAATGC CAACGGCGAGATGGGCGTAATCGGGCTTTACGAGCCTTTCTCACACGGCGCATTGACGAT ACCCGGTCATCCGAACTGCCGATGCGAGGTTGTTTCCGTATCGGGTGGCGAATTGGGGGA **ATTTGCCGAAAAAAGGAGCTTCGTAAAGCGGCTATGCAGTATGCGCGGGATAACTTTAT** CGGCAAAAGCTATGTCAATAAAAACAGCGGGCATGAACTGAAGGTAACTTGGCAAGGTGT GAAACACGCTGCGTCAAAGGCAAATCAGGCGGAATTATCCATCATGACAAAACTTGATGA CTTATTGCGCTACGCAAAATATGAGGGTTCTTATTCGGATAGGAAAGGTCATCCTAATAT TATTGCAGCACATAAGTATCGTGCCGTTGCCAAGGTTGGGAATGAGTCTTTAAATATCGG TGTGATTGTAAGGGAATTTCCAGACGACCATAAACATTACGACCATTTCATCTTGAAGGA TGAATAAAGCCCTTTTGCAGTGTCGTTCTGGAGCGGATAGCGTTAAGGCAAGTACACTTC GACAAAGTTATACGCAGAAATCGCCAAGATGGAGACGCAGGACGACGACACGGTCAAGGT TTGGGGTTACGCTTCAAGCGAGGAAATCGATTCGGACGCGAAGTCATCGCGGCGGCAGC TATGAAGGCGGCGATTCCCGATTATATGAAGTTTGGCGCGGGGCGCGAGATGCACGGCTC AAACGCTGCGGGAACGGCAATTGAAATCAACGTGGAAGATGACGGCAGAACCTTTTTCGT GGCGCATATCGTCGATCCCGTTGCCGTGACGAAGGTCAAAACAGGCGTTTACAAGGGCTT TTCCATCGGCGGCAGCGTTACCGCCCACGATGAGTTGAACAAGTCGCAAATCACGGGTTT GAAGCTGACGGAAATCAGCTTGGTTGACCGACCCGCCAATCCCGATGCGGTGTCTACCTG CTTTAAGGCGGACAAAGGTGCGGAAGCGGTAAACAACGATACAGAACATAATGCTACATA TTTTAGCCATTTCCCTTCCAAACAAAAAGCACCGACGGCGGCCGATGCCCTTTCCTTTA CAGGTTCCCCTATTTTTTATCCGCGGGCAGCACCGGTTTGGCTGGGGCTTTTGGTGCGGG CGCGCCGACCGAAGCCTGGTCCTTCAGCTTCGCCAGCACCGCAGGGCCGATGCCCTTTAC CTTGGTCAAATCGTCTACAGACTTGAACGCACCGTTTTGCGCACGGTATTCCGCAATGGC CTTCGCCTTCGCCGGGCCTATGCCCGGCAGCGCCTCCAACTCCTGCTGCGAAGCCGCATT GATGTTTACCGCCGCAAGGGAGAAGGCGCAGGAGAACAGCATACAGAACAGCACGAACAT TTTCTTCATGGTTTTTCCTTTAAGGGTTGCAAACAATAAACCGCATCTTGCGACGATAAA ACGAGTCATTCTAAAATGAATATCCCAAAGTTTCAAGCCGTTCCTCCGCAAACCCGACCG GACACCGTACGGATGCCGTCCCGCCATCACCGACATTTTTTCCGGGCAAAGCAAACATTT TTTCCGGGCAAAGCAAAAACCCCCGAATAATCGGGGGTTTTCTGAATGGGTGTTTGGCAG TGACCTACTTTCGCATGGAAGAACCACACTATCATCGGCGCTGAGTCGTTTCACGGTCCT GTTCGGGATGGGAAGCCGTGGGACCAACTCGCTATGGCCGCCAAACTTAAACTGTTACAA TCTTGAAGTTCTTCAAATGATAGAGTCAAGCCTCACGAGCAATTAGTATGGGTTAGCTTC ACGCGTTACCGCGCTTCCACACCCCACCTATCAACGTCCTGGTCTCGAACGACTCTTTAG TGCGGTTAAACCGCAAGGGAAGTCTCATCTTCAGGCGAGTTTCGCGCTTAGATGCTTTCA GCGCTTATCTCTTCCGAACTTAGCTACCCGGCTATGCAACTGGCGTTACAACCGGTACAC CAGAGGTTCGTCCACTCCGGTCCTCTCGTACTAGGAGCAGCCCCCGTCAAACTTCCAACG CCCACTGCAGATAGGGACCAAACTGTCTCACGACGTTTTAAACCCAGCTCACGTACCACT TTAAATGGCGAACAGCCATACCCTTGGGACCGACTACAGCCCCAGGATGTGATGAGCCGA CATCGAGGTGCCAAACTCCGCCGTCGATATGAACTCTTGGGCGGAATCAGCCTGTTATCC CCGGAGTACCTTTTATCCGTTGAGCGATGGCCCTTCCATACAGAACCACCGGATCACTAT GTCCTGCTTTCGCACCTGCTCGACTTGTCGGTCTCGCAGTTAAGCTACCTTTTGCCATTG CACTATCAGTCCGATTTCCGACCGGACCTAGGTAACCTTCGAACTCCTCCGTTACGCTTT GGGAGGAGACCGCCCAGTCAAACTGCCTACCATGCACGGTCCCCGACCCGGATGACGGG TCTGGGTTAGAACCTCAAAGACACCAGGGTGGTATTTCAAGGACGGCTCCACAGAGACTG GCGTCTCTGCTTCTAAGCCTCCCACCTATCCTACACAAGTGACTTCAAAGTCCAATGCAA AGCTACAGTAAAGGTTCACGGGGTCTTTCCGTCTAGCAGCGGGTAGATTGCATCTTCACA ACCACTTCAACTTCGCTGAGTCTCAGGAGGAGACAGTGTGGCCATCGTTACGCCATTCGT GCGGGTCGGAACTTACCCGACAAGGAATTTCGCTACCTTAGGACCGTTATAGTTACGGCC GCCGTTTACTGGGGCTTCGATCCGATGCTCTCACATCTTCAATTAACCTTCCAGCACCGG GCAGGCGTCACACCCTATACGTCCACTTTCGTGTTAGCAGAGTGCTGTGTTTTTAATAAA CAGTCGCAGCCACCTATTCTCTGCGACCCTCCGGGGCTTACGGAGCAAGTCCTTAACCTT AGAGGGCATACCTTCTCCCGAAGTTACGGTATCAATTTGCCGAGTTCCTTCTCCTGAGTT CTCTCAAGCGCCTTAGAATTCTCATCCTGCCCACCTGTGTCGGTTTGCGGTACGGTTCGA TTCAAACTGAAGCTTAGTGGCTTTTCCTGGAAGCGTGGTATCGGTTGCTTCGTGTCCGTA GACACTCGTCGTCACTTCTCGGTGTTAAGAAGACCCGGATTTGCCTAAGTCTTCCACCTA CCGGCTTAAACAAGCTATTCCAACAGCTTGCCAACCTAACCTTCTCCGTCCCCACATCGC ATTTGAATCAAGTACAGGAATATTAACCTGTTTCCCATCGACTACGCATTTCTGCCTCGC CTTAGGGGCCGACTCACCCTACGCCGATGAACGTTGCGCAGGAAACCTTGGGCTTTCGGC GAGCGGGCTTTTCACCCGCTTTATCGCTACTCATGTCAACATTCGCACTTCTGATACCTC CAGCACACTTTACAATGCACCTTCATCAGCCTACAGAACGCTCCCCTACCATGCCGGTAA ACCGGCATCCGCAGCTTCGGTTATAGATTTGAGCCCCGTTACATCTTCCGCGCAGGACGA CTCGACCAGTGAGCTATTACGCTTTCTTTAAATGATGGCTGCTTCTAAGCCAACATCCTG GCTGTCTGGGGCCTTCCCACTTCGTTTACCACTTAATCTATCATTTGGGACCTTAGCTGGC

ACCACTTGATGGTATTCTTAGTTTGCCATGGGTTGGTAAGTTGCAATAACCCCCTAGCCA TAACAGTGCTTTACCCCCATCAGTGTCTTGCTCGAGGCACTACCTAAATAGTTTTCGGGG AGAACCAGCTATCTCCGAGTTTGTTTAGCCTTTCACCCCTATCCACAGCTCATCCCCGCA TTTTGCAACATGCGTGGGTTCGGTCCTCCAGTACCTGTTACGGCACCTTCAACCTGGCCA TGGATAGATCACTCGGTTTCGGGTCTACACCCAGCAACTCATCGCCCTATTAAGACTCGG TTTCCCTACGCCTCCCCTATTCGGTTAAGCTCGCTACTGAATGTAAGTCGTTGACCCATT ATACAAAAGGTACGCAGTCACACCACTAGGGCGCTCCCACTGTTTGTATGCATCAGGTTT CAGGTTCTGTTTCACTCCCCTCCCGGGGTTCTTTTCGCCTTTCCCTCACGGTACTGGTTC ACTATCGGTCGATGATGAGTATTTAGCCTTGGAGGATGGTCCCCCCATATTCAGACAGGA TTTCACGTGCCCCGCCCTACTTTTCGTACGCTTAGTACCGCTGTTGAGATTTCGAATACG **GGACTGTCACCCACTATGGTCAAGCTTCCCAGCTTGTTCTTCTATCTCGACAGTTATTAC** GTACAGGCTCCTCCGCGTTCGCTCGCCACTACTTGCGGAATCTCGGTTGATTTCTTTTCC TCCGGGTACTTAGATGGTTCAGTTCTCCGGGTTCGCTTCTCTAAGTCTATGTATTCAACT TAGGATACTGCACAGAATGCAGTGGGTTTCCCCATTCGGACATCGCGGGATCATTGCTTT **ATTGCCAGCTCCCCCGCGCTTTTCGCAGGCTTACACGTCCTTCGTCGCCTATCATCGCCA** AGGCATCCACCTGATGCACTTATTCACTTGACTCTATCATTTCAAGAACTTCTTTGACTT TGCCTAACATTCCGTTGACTAGAACATCAGACTTGAATTTCCTACTTTGATAAAGCTTAC TGCTTTGTTGTGTCTTAATCCTGCCTTTTGTGTTTCAGGATTAAGTCGATACAATCATCA CCCAAATACTGTGTTTGTTTTCTTTTCTCTTGCGAGAGATTTTTATCCTTTGCAAAGAAT AAAAAATCAAAACAAACGCTTTGTCTTTGTTTGTTTGATTTCGGCTTTCCAATTTGTTAAA GATCGATGCGTTCGATATTGCTATCTACTGTGCAAATCAAAACGAGCTGATTATTATATC AGCATTTTGTTCTTGGTCAAGTGTGACGTCGCCCTGAATGGATTCTGTTCCATTCTTCCG TTTTGATTTGTACAGTATTGGTGGAGGCAAACGGGATCGAACCGATGACCCCCTGCTTGC AAAGCAGGTGCTCTACCAACTGAGCTATGCCCCCGTTCTTGGTGGGTCTGGGAGGACTTG **AACCTCCGACCCCACGCTTATCAAGCGTGTGCTCTAACCAGCTGAGCTACAAACCCGGAT** TCTCTTCTTAAGCGAATCTTGCCTTCACTCAAGCTTCTTCCGCATCTTTTTCAGTTTACC GATAAGTGTGAATGCCTAAAGCCTCTTCTTTCTCTAGAAAGGAGGTGATCCAGCCGCAGG TTCCCCTACGGCTACCTTGTTACGACTTCACCCCAGTCATGAAGCATACCGTGGTAAGCG GACTCCTTGTGGTTATCCTACCTACTTCTGGTATCCCCCACTCCCATGGTGTGACGGGCG GTGTGTACAAGACCCGGGAACGTATTCACCGCAGTATGCTGACCTGCGATTACTAGCGAT TCCGACTTCATGCACTCGAGTTGCAGAGTGCAATCCGGACTACGATCGGTTTTGTGAGAT TGGCTCCGCCTCGCGGCTTGGCTACCCTCTGTACCGACCATTGTATGACGTGTGAAGCCC TGGTCATAAGGGCCATGAGGACTTGACGTCATCCCCACCTTCCTCCGGCTTGTCACCGGC **AGTCTCATTAGAGTGCCCAACTGAATGATGGCAACTAATGACAAGGGTTGCGCTCGTTGC** GGGACTTAACCCAACATCTCACGACACGAGCTGACGACAGCCATGCAGCACCTGTGTTAC GGCTCCCGAAGGCACTCCTCCGTCTCCGGAGGATTCCGTACATGTCAAGACCAGGTAAGG TTCTTCGCGTTGCATCGAATTAATCCACATCATCCACCGCTTGTGCGGGTCCCCGTCAAT TCCTTTGAGTTTTAATCTTGCGACCGTACTCCCCAGGCGGTCAATTTCACGCGTTAGCTA CGCTACCAAGCAATCAGGTTGCCCAACAGCTAATTGACATCGTTTAGGGCGTGGACTACC AGGGTATCTAATCCTGTTTGCTACCCACGCTTTCGGGCATGAACGTCAGTGTTGTCCCAG GAGGCTGCCTTCGCCATCGGTATTCCTCCACATCTCTACGCATTTCACTGCTACACGTGG **AATTCTACCTCCCTCTGACACACTCGAGTCACCCAGTTCAGAACGCAGTTCCCGGGTTGA** GCCCGGGGATTTCACATCCTGCTTAAGTAACCGTCTGCGCCCGCTTTACGCCCAGTAATT CCGATTAACGCTCGCACCCTACGTATTACCGCGGCTGCTGGCACGTAGTTAGCCGGTGCT TATTCTTCAGGTACCGTCATCAGCCGCTGATATTAGCAACAGCCTTTTCTTCCCTGACAA **AAGTCCTTTACAACCCGAAGGCCTTCTTCAGACACGCGGCATGGCTGGATCAGGCTTGCG** CCCATTGTCCAAAATTCCCCACTGCTGCCTCCCGTAGGAGTCTGGGCCGTGTCTCAGTCC CAGTGTGGCGGATCATCCTCTCAGACCCGCTACTGATCGTCGCCTTGGTAGGCCTTTACC CCACCAACTAGCTAATCAGATATCGGCCGCTCGAATAGCGCAAGGCCCGAAGGTCCCCTG CTTTCTCTCAAGACGTATGCGGTATTAGCTGATCTTTCGATCAGTTATCCCCCACTAC TCTGTGCTGCCGTCCGACTTGCATGTGTAAAGCATGCCGCCAGCGTTCAATCTGAGCCAG GATCAAACTCTTATGTTCAATCTCTAACTTTTTAACTTCTGGTCTGCTTCAAAGAAACCA **ACAGGACAATGTTCAAAACATTATCTTGTCTGTCTTTCAAACAGTGTGAGACTCAAGGCA** CTCACACTTATCGGTAATCTGTTTTGTTAAAGAGCGTTGCGAATTATAAAGTATTCCTTC CGCCTGTCAAGATATCTCTCGATATCCCCAACATTCTGTGCTATACTTTTCAGTTCGTCC GCCACTTCTGCAGCAGCGAAGAACCGAACTATACGCCCACAGGGAAAAACGGTCAATGCT TTCAGCGGGATTTTTTTGGGGAAATTCGTCATGTCGCTGTCGGATAAGGTTTTTTATTTC TTGTGAATATGCTGTCTGAAACTCGGGGACTCAGACGGCATTTTGTATCCAAACGGTATC TAATGTATCCGTACTTTGTTATAGAATGGCTGCTGTTTTTTCTTCGTAATTAGAAATTGT CAAAATGGGCAAACATATTCTTTTAGGTGTAACGGGCAGTATTGCGGCGTATAAGTCTTG CGAGTTGGTGCGACTGCTGAAAAAACAGGGGCATTCGGTTACGGTGGTTATGAGCCGCTC GGCAACTGAATTTGTTTCTCCGCTGACTTTTCAGGCTTTAAGCGGCAATCCTGTCCTGAC CGACACGCACGGCAACGGTTCAAACGGTATGGAACATATCAACCTGACCCGGAATGC GGATGTTTTCTGATTGCGCCGCCAAGTATGAATACCGTGGCAAAAATCTGTAACGGCGT GGCAGATAACCTACTGACCAGTCTGGCAGCCGCAÇGGAAATGTCCGCTTGCCATCGCGCC TTCAGACGCATTACTGTCTATATGCCGGGCTTGGGCGAACAGGCTTGCGGAGAAAATGG TATGGGAAGGATGCCGGAACCTGCCGAATTGCTGGATCTGCTTCCGGATTTATGGACACC GAAAATTTTAAAGGGCAAAAAAGTCTTGATTACCGCAGGTGCGACATTTGAAGCCATTGA CCCTGTCCGAGGCATCACAAATATCTCCAGCGGGAAAATGGGCGTGGCTTTGGCGCGGGC GTGCCGTGCCGGTGCAGAAGTCAGCCTGATTCACGGACAGCTTCAAACCGCGCTGCC - TTTCGGCATATCCGATACGGTTCAAGCCGTCAGTGCCGAAAATATGCATCGCGCAGTGCA

TCGTTTAATCGACAAACAAGATGCTTTTATTTCTGTTGCCGCCGTCTCAGACTATAGGGT

TAAGAATAGGAGTACTCAAAAATTCAAAAAAGATAAAAATGCCAAACCGTTATCCATCGA ATTGGATGAGAACCCCGATATTTTGGCTTCTATTGCCTCATTACCGAACCCGCCGTTCTG CATCGGTTTTGCCGCTGAAACGGAGAATGTAATGACATATGCGCGGGAAAAACGTATTAA GAAAAAGCTACCGATGATCGTTGCCAATGATGTTTCAATCGCAATGGGCAAACCGACCAA CCGGATTACCATTATCGGGGACGACGGGGAACTGTCTTTTCCCGAAACAAGTAAAGATGA AGCGGCAATGCGGATTGTTGAAAGGCTTGCCGTATATTTGAGCAAATAAGCAATTGAACG GATAAACCATAAAACGGGTTGCCTGTTAATCAAAAGGCAACCCGTTTTACCTGCTTCAAC TTCTGATGACTTTGCGGATATATGGAATACTATGCAGATTTTGAATAATCTGATTCAATT GATTCAGATTCTTGACTTTCAATAAGAATTTGAATTCGACAAAACCTTCCGTTCCCGACT GGGATTTAGACGGTGTTTCGACCGACTCAATGTCTGCACCGGAATCGGAAATCGCTTGCG CCATTAATGCCAACAGGCCGTGGCTGTCTTCCGATTGGACTTGAAGCCCGACACGGTAGT TCTGCCCGTTCATATTTTCCCAGTCTGCATCCAGCTGCTGTTCGGGATCGGACTTCAACA ACGTCGGGCAGGTATCCCTATGGATAATCATGCCTTTTCCCTTAACCAACAGCAAACGGA TGGAATCGCCGGGAACAGGGTGGCAGCACTCTGCAAAATGAATATGCCCGCTTTCCTGCC CATCGACTTTAATGGAACTGAGCCTGACCTCGCTGCCGAAATGCTCCCCTGCCAACTCGG CAATGTGCATGGCGACATAAACAGGCAGGGTATGCCCCATCCCTACGTTGTACAGCACTT CTTCAAACGATGTCTGCTTGTCGTTGAGATCGGCAAGATATTTTTCCTTGATGCCGTCTG AAAGCAGGACATCTTTGGGCAGCAAACTGGACAGGGCTTTTTGTAAGAGGCTCTCTCCCA AAACGACCGCATCGTGCCGGTTAAGGTTTTTAATATATTGGCGTATGGCGCTGCGCGCCC TGCCTGACACGGCGAAATTCAACCACGCGGGATTGGGTTTTGGCGTGTTCGGATGTGATAA TTTCAACAGAATCACCGGTTTTGAGCTTCGTACGCAACGGCATCATGATATTGTTGATAC GTGCGGCAACGGTTTTGTGCCCGATATCGGTATGCACCGCATAAGCAAAATCGACAGGCG GAAACAAATCGACTTTGACGTGTTCGAGAAACTCAATGGCATTGGCACTGCTTGCCTGCA **AATCTAAGATATTTTCAGCCACCGGTTTGTGTGAAGCACCGCCTGATCGACCGTCTTAG AATATGATTTATAGCTCCAATGTCCGGCGATTCCACCTTCGGCAACAGCATCCATTTCCT** TGGTACGTATCTGAACTTCAATCGGCAAGCCGTAAGGGCCGACCAAAGTCGTATGCAGAC TTTGATACCCGTTGCTTTTCGGAATGGCGATATAGTCTTTGAACCGCCCGGGCTTGGGCT GATAGAGGGTGTGCAATGCGCCGAGTGCGGCATAACAGGCTGGAATGCTGTTGACAATGA CGCGGAAACCGTAAATATCCATAACCTCGGCAAAGCGCAGCTTTTTCGCCATCATTTTCT GATGGATGCCGTACAGGTTTTTTTCCCTGCCTTTGATTTTGGCCTCTATATTCGCGCCTA CCAGCCGCTGGCCGAATGCGCGCAAGACTTTGCCGACAACGTCCTGCCGGTTCTTCCGGC TCTTGTCCATCGCTTTTTTAAAGTCTCGTAGCGGTTGGGATGCAGGTTTTGGAACGATA AATCCTGAAGCTCTTGATATGCGTTATTCAAACCTATACGGTTGGCAATCTGTGCATAGA TTTCAAGGGTTTCCCTTGCAATCCGGCGCGCGTTTGTCCGGGCGCATCGAACCGAGCGTCC GCATATTGTGCAGGCGGTCGGCAAGTTTGACGACAATCACGCGCACATCTTTGGTCATTG CCAAAATCAGTTTGCGGAAACTCTCCGCCTGATGCTCCGCATGATCTTCAAATTTGAGTT TTTCAAGCTTGGACAGACCGTCCACCATCTCGGCAATCGTATTGCCGAACACCGCCGCCA TTTCCCCTTTTGTCACGCCCGTATCTTCCAATACGTCGTGCATCACGCCTGCACAAAGAC CCTGTATGTCCATATGCCAAAGGGCGAGCTGCGTCGCAACGGCAATCGGATGCGTGATGT AGGGCTCCCCGCTTTTGCCGGGTTTGCCCGTCGTGGGCGCGAAACGCATAGGCGACAGCTT TTTCAAGCTCCGCCTGTTCCTCGGGCTTGAGGTAGGAGGCGGTATGGAAAAGCAGGGCAC GCTTTCGGTATGTATGTTTTTCATTTCAAACCGTCGGACTGCACGGCGGCAAAGTGTT CCGGCGTGCGTTTCCGGCAGAATTTATTTATTGCGCGTCAACAGTTCTGTACCGATATGT CCGGCGGCGATTTCCCTTAAGGCGGTAACGGTCGGTTTGTTATTGCGGACATCGTCCACA AGCGGCGTGTTGCCGTTCTCAAGCTGGCGGGCGCGGCGAGCCGCTACCAATGTCAGGTCA AAATGGTTGGAAATTTTTCCGGTACAGTCTTCGGTGGTAATACGTGCCATATTATTTGCT TTCTTTCAAAAATATTTAAATTGGGAAACCGGGTATTTTCGCCGTTTTCTAGGAATTTTC ATGGCGCAAATCCTCCTCCGCTCGCCCAAGTCGTCATTGACCACGACAAAGTCAAACAA TACGGACTGCTCGATTTCATGCCTTGCCTTCGACAGCCTCCTTTGGATAACTTCCCGACT GTCCGTCCCGCGTCCGTTGAGGCGCGCGGCAAGTACGTCGAAAGAAGGCGGCAGGATAAA GATGCCGACGCTTCGGGCAGCGCGTCGCGAACCTGCGCCCCGCGCCCTGAACGTCGATTTC CAAAATCACGTCATAGCCTGCCGCCGCCCAACGCATTCACACCCTCCGCGCCTGTGCCGTA ATAGTTGCCAAATACGTCGGCGTATTCCAAAAAAGCTTCCTGCGCGATAAGCGACTCAAA CTCTTCTTTGGAAACAAAGTGATAATGTACGCCGTTTGCTTCGCCTTCACGCGGCGGCG CGTCGTGTGCGACACGGAAACGCGCAAACCGTTATGGTTTGCCAACAGCCGCGACACCAG CGTGGTTTTGCCCGTGCCGGAAGCGGCCGAAATGATAAAGATGTTGCCTTTTCGATAAGC GGACATATTTTTACCTGTATATTTTCCAGCCGATTGTATCACAATGGACACCCAGTTTC CTATTTGCCGATGCCCATATTTTGCCGCTATTGTTTTGATTTGATTTGGCAAGCGACAGGC TGACGGCTACAATATGGCGTTAAAAACATCAAACTTGGAACACGCAATGCTGGTTCATCC CGAAGCTATGAGTGTCGGCGCGCTTGCCGACAAAATCCGCAAAATCGAAAACTGGCCGCA AAAAGGCATCTTATTCCACGACATCACGCCCGTCCTTCAAAGCGCGGAATACTTCCGCCT TTTGGTTGATTTATTGGTTTACCGCTATATGGATCAGAAAATCGACATCGTTGCCGGTTT GGACGCGCGCGCTTCATTATCGGCGCGCGCACTCGCCTACCAGCTCAACGTCGGTTTCGT CCCCATCCGCAAAAAAGGCAAGCTGCCTTTTGAAACCGTATCGCAAAGCTACGCGCTCGA ATACGGGGAAGCTGCGGTGGAAATCCACACCGATGCCGTCAAACTCGGTTCGCGCGTGCT GCTGGTCGATGATTGATTGCCACGGGCGGCACGATGCTTGCCGGACTGGAACTGATCCG CAAACTCGGCGGAGAAATTGTCGAAGCCGCCGCCATTTTGGAATTTACCGACCTTCAAGG CGGCAAGAATATCCGTGCAAGCGGCGCCCCTTATTTACCCTGCTTCAAAACGAAGGCTG TATGAAGGGCTGAAAACCGACCCTGCCGTCTGAAACCGGCAGGGTTGTTATGATGCGTTC AAATCACGCCCAAATCTTGCAAGCCCCTCAACACGCCGTCTTCATCAACGCTGGGGCAAA CATATTTCGCCGCTTCTTTCGCCGCCTGTTCCCCGTTGCCCATTGCCACGCCGAACCCGA CTTCTGACAGCATTTCCACATCGTTCAAACCGTCGCCGAACGCCATCACGTCTGCCATTT

GCAGATCGACCGCTTCCTCGTGCCAGCGCACCGTTTTCAAGCCTTCCCGTTCCACAATAT CCGACCAAAGCGGCATTTCGTTTTCCTCCGCAAACACCAGCATCTGATACACCGGTTTGC TTGAAAATAATCCTTATCGGCAAAAAAATCGCTGGCGATATGCTTCAAGGCGCGGCACA CGCATTCCGACAGCGCGACACAGCGATCCCCTCTCCGCCGACAAACGCATAATCCATGC GCACGGTTTTTCCGTGCAGCAGCGCAAACTGTCCGTTTATCGTTACCACGGCATCCATTC CCGCTTCCGCCATCATATCCCTGACCTTTTCGGGAATCGTCGCCAAAGACCGCCCCGTTG CCAACGCCGTCAATATACCTTTGCCGCGCAAAGCCGCCACCGCCGTTTTCACGGAAGGGC GCAAAGTATCCGTATATTTTCGGTACAGCGTATCGTCAATGTCGAAAAACACGATTTTAG GATTCATCACATTCTCTCTCGCATTCAAACTACCGCATTATATCCCAAGCAGGCAAATAC TTGATAAATCCTTATAAATTTCCCGTCAAAATTGACCGAAAATACAAAAAGGCGGATAAT CCGCCCATCCTCAAACCCTTTTCAGACGCCATTTGCAGCAATGCCGTCTGAAACATTTTT **ACAAAGCATACAAATCATGTTTCAACACACAGGACGACACATAAAGCGTCGCCCTATATG** TTGCCCTGATTCGGAAGGGGTTACGCCCCTCCCAAATAAAGTCTGATTCTACTGCCCTAA AGGGCGGGGTTTCAACCGAAAAGGAAACACGATGAAAGCACCCGAACTCTTATTGCCCGC CGGCGGATTGGAAAGAATGCGCGCCGCCTACGACTACGGCGCAGACGCCGTTTACGCCGG CAGCCCGCGTTACTCACTGCGCCCCGCAACAACGAATTTGCCAAACTTGATGTTTTAGA ACAAGGCATTAAAGAAGCGCACGAGCGCAACAAAAAATTCTTTTTAACCGTCAACACCCT GCCGCACAATTCCAAACTCAAAACCTTCGTTGCCGACATGGAGCCGCTGATTGCCATGAA ACCCGACGCGCTGATTATGGCGGATCCGGGTTTGATTATGACCGTGCGCGAAAAATGGCC GGAAATGCCGATCCATCTGTCCGTACAGGCGAACACCACCAACTATTGGGGCGTGAAATT CTGGCAAAACATCGGCGTCGAACGCATTATTCTGTCGCGCGAATTGAGTATGGAAGAAAT CGCCGAAATCCGCCAAGAATGCCCCGACATCGAACTCGAAGTCTTCATCCACGGCGCATT GTGCATCGCTTATTCAGGCCGTTGCCTATTGTCGGGCTATTTCAACCACCGCGACCCCAA CCAAGGCACCTGCACCAACTCCTGCCGTTGGGATTACAAGGTTCACAATGCCACGGAAAG CGATGCAGGCGATGCCCAGCTTCTGCAAGGTTTCAACTTTGAAAAAGCCCAAGAAGAAGC CAACCAAAACTTTGAAGGCATCAACGGTCAAAAACGCCATCCCTACGCCGACAAAGTTTT CCTGATTGAAGAATCCAACCGCCCGGGCGAAATGATGCCGATTATGGAAGACGAACACGG CACCTACATCATGAATTCCAAAGACCTTCGCGGTATCGAAGTCGTCGAAAAACTCGCCAA AATCGGCGTGGACAGCCTCAAAGTCGAAGGCCGTACCAAATCGCTCTATTATGTTGCACG CAGCCTGTTGAGCGAACTCGAAGGCCTCGCCAACCGCGGCTACACCAGCGGCTTCCTCGA CCAATACGTCGGACACGTTACCGAAATCGATGAAAACGGCTGGGCAACAGTGGAAGTCAA AAACCGCTTTGCCGTCAGCGATTCACTCGAAATCATCCACCCGAGCGGCAACCAAACCAT CAAATTGGAACAAATGACCCGCAAAGGCCAGCCTGTCGATGTTGCCCCGGGCAACGGCAT TCAGGTCAAAATCCCCAATATGCAGGGTAAAGAAAAAGCCCTCATCGCACGCGTGTTGAA CCCCTAAGCCATTATGCCGTCTGAAACATTTTTCAGACGGCATTTTTAATCCCCTTGCCT TATTGTGCGGCAGATTCAGATCGGGACACACCTATAGTCCACGACAGAAGTCTGGCTTTT TATTTGTCAGCTTGATGCGTTGACAACTCTAATTCCATATTGCGGAATATATTCATCGAC AGTCATCAGTTCAAAGCCTTCCGCTTGGGTTTGTGCAATCAACATCCTATCGAAAGGGTC TTTGTGTATCTCCGGAAGGCTTCCAGCCTGTTTTGCATGAAACAGACCTATAGGCAACAT TTCAAAATCCTCTTCTTGAAGCACATCAAAAAACTCTTCCGGTAATTTCAACAACCCCTT **GTTCTGCTTGATGGAAATTTCCCAAATACTTGCTGCACTGACAAAGATCGCATTTCTCGG** ATTTTCTATCAGTTTGCGTGCAGATATCCCCAGTTTCTTGTCATCCAACAACCACCACAG CAACGCATGGGTATCAAGCAGAATCTTTCTCACAGAGCCGACTCCTCAAAAAATAAAGCT GCCGTTTCATTGTCATCCTCAAGAATACGTGAAATATCCGTATTTTCCATATGACTGAAT TTTTTCAACCTTCCTGCATTTCGTGCCGGTTTTTCAATACCGATTAGTTGGACGCAAGGC TTACCTGCCTTCGCAATAATAACGATTTCCCCTGCTTCTGCTCTTTGAATCAATTGACTC **AAATTGGTTTTTGCCTGATGAATATTTGCTTGAAACATAACACTTCTCATGATTAGCTAA** CTTGACTAATATACATCATTACCAAGATTTTGGGAATCTCATTACATATATTTGATTATA TCCGCCGTTTTATTCACACCTTGCTATTTATAGTGGATTAACAAAAACCAGTACGGCGTT GCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGT TCCGTACTATCTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACT ATAAAACGGCTTTGCGGTATCCCAGTTTGACACCGGTTACTTCCTGATTGGTAAGCATCA TTATTTTCCCATAAATCAAACGTCTGACACGGCATTATAAACACAATGCGGCATCTGCCG CCACCCTTGCGGACGCGGCGTTACCGGCTTCCACAGCTACTTCGACAAGCAGCCGCTGCA AGGCGGACAATACGACTGTCAGGCAGGCTCGTTCCACGTCCGCGTGGTCATGCGCGCCAA CGTCGTCCGTTAACATATCGGCAACCAAAAAATGCCGTCTGAAACATTTTTCAGACGGCA TTTTTAATCCTGCAACATTACCCCCTGCCTGAGTTCGGATACTGTATCAATATAAAACCC CATCACACAGATTTACGGTAAAAAGCCGTCCGAATGAATTCTTGAACACAATTCGGACGG CTTTAATTTTCAACAAGGCGATTAATTCAATAATACCAGATTAAAACTTCCATTCCAGCG ATACGGCGTAATTGCGGCCTGGGGCGCGGTAGCGGTCTAAGCCTTTGCCATCGCGGTCGA CCGCATTGGTGGTGCTGTAGCTATATAAACCGCGCAGGGAATCCCAAGTGGTGTATTTGC GGTTGAACAGGTTGTACACGCCTGCACGCAAAGTCAGGTTTTTAGCCGGTTTGTAGAAGC CGTACATATCAAACACATAAGCCGACTTGTTCAGCCACGGGTAATCTTTTACCTTTTTCT GCAAAGGCGTACCCCAGCCCTTGTTTTCATAAACGGTGTATTGCGCGTCTTTGACCTTTT TCGCGCCTAGATAGGTCAGGCGGGAGAATACGCCCCATTTTTCGCTCGGACTTTCATAGT CGATACCGGCAATCACTTTCAGCGGCTGTGTGGACAGCAGGCTGTTGTCGCCCGACAGTT TGCTTTTCGCATAACCCAGCGAGCCGAACAGTTTCCAACCCTCAGGAACAAAAGACGCTA CTTTGTCCACATTCAGACGGCCTGTCAGCTCGATACCGCGGATTCTGGCCTTGTCGATAT TTTTCATCTGCCAATCCAGTTTTTCTTTGTAGGGGTCGCTGCATATACCGTAGTAAGCAT TTTCCTCAGTACAGCCGGGAGTGCCGCTGGTGGTCAGCTTCTGCTCTTCAGACAGGAAAT TGCGGTAATTGCTTTGATACAGGTTGGCATCCAGCATGCCTTTTTCGCTGCGGCCTTGCA GAGACAGGGTGTGGGTGCTGCGCTCGGCTTTCAGGTTGGGATTGGGCAGCCAATTAC CCGAACCGTGGTTGTAAGTGAAATACACTTCGGACGCATTGGGGACACGGTAGCCGGAAG TAATGTCGTAACCGACACGCCAAGCCTGATTCAGTTGCGCCGCCAAGCCGACAAAACCGC TCCAGCCTTTATAAGTGTTGGCTGCAGGTGGTGTTTTGTCACAAGCATGACACTCGGCAT TCAATTCCTGAGGCGTCATTTTGGTGTGGTCGTAACGGATACCTGCGCGGCTACTGAACA CGTCGTTCCATTGAATTTGGTCAGACAGTGAGAAACCGTAGTTGGTGGTTTTCACCGGAT **GCTGGATACTGCTGGTGGTTCGAACAACACGGCCGCTGAAGTAATAATCGTCGCGGTTTA** GGTTTTCAAAATCACGGCGGCTGACGAAAGTTTTAAACGACAGGCGGTGTCGCCCCCCC CGAGTTGCAACGGATGGCTGTCCAAACGCAAAGTAAAACGTTTGAATCGGGTGTCCATGC TGCGGTTGTATATTTCGTCCAAATCCTTCTGATTATAGTTGCGCGTCCAGGTGGAATAAT CCATCGGGAACGAGCCTTTGTTGTTAACCGCCGCCACTTTGGTTTTCTGATAATCGAAGT CCGCCTTCAAAGACGACAACCAATTTGAATCAGGCATCCATTCGTAAAAGAGGTTGGCAT TGCGCCGTCTGTTTACGTCATCGGCTTCGCGCCAGGAAGAAGCGGTCAGGTTATAAGACT CTTCAACCGTGTAATTATGTCCCTGCTGGCCGTTAAGCGATGCGCCGATGCGGTGATTAT CGTTAATTTGGTAAGCAATCTTACCCAAAAAGCTGTGGTATTTGTGTTTGGACGAATCAG GGATACCGCGTGCCGAACCACGGATATTCGCGCCACTGCCTTCCCCTTCCACAGCATAGC CTCGGTTTCCCGCACTTTCGGTTTCATGACCGCGACGTTGCGAATACAGCAAAGCAGCAT CCACGCGGTCGTTACTCACACCGAAACCGAGAGTATTTGTCCATTCACGGTTACGCGTGC TGTAACCGTTTTTCATCATCACGCCGAATTGCCTGTCGTCCAACAGCAAATCACGGCCTT GCAGCGTTTGGTAATTCACACCGCCGCCCAATGCACCACTGCCGGTATTGAAAGAGTCTG CGCCCTTCACGATTTCGATGTTGCGCACGAGTTCGGGGTCGATAGACAAACGCGAGCTGT CTATGCTCACGCCGACACGGTTGCCTTCCACGCCGCGAACAGCAAAGCCTTTTTGATGGC GGCCGCTGTCGCTCAAGCCGACATCGGTGGAATAGCGCACCAAGTCTTTATTGTCGCGTA TCATTTCTTGTTTGATACGGTTAAGGTTGACGCGTTCCACAGCCGCAGGCGCATTGCGCT GACCTTTAACGCGCACTGCTTTTATCTCTGCCTTAACGGGTGTGGTTTCAGTTGCAGCTT CATCTGCTGCCAAGACCGGATTGCCGAAAATACTGCCGACCAGCGCGGCGATAGGGAGCA AATAATAGATTTTATGATAATCATTAATATTTAATAAGACAGTAATCCATGTAAACAAAG CCGCGCCGTGTAATTAAAGGTCCCTGCAAACAGCTATGCCGAGACCTTGTTTATTTGGTT TGCTTCGGCATCGGCTGCCAAGCCGAAGGTTTCGCGCAACACGACTTTGTAGAATGCAAA GGCTTCGCGCGCCCTTGGATGGCTTCCGCTTCGGCTTCGGGAGTCAGGTTCAAAGCGTT CAGATGCTCGACGAAAGCGCGCCAGTGTTTGCCGCGCCCGTCGGGATGGGGTGCGAGGTG GCGCGCGCGTGTTCGCCGTTGTAATCGAGTTTTTGGGCGTGTTTGAACAAAAATGCCGC GCCCAAATTGGATCCTTCGGCGCAATAAAGCCAGCCGATTGCTTTGTTGCCGGTTTCATG CGGCAGCGGTTTGCCGTATTCGTAAGGTTTGTCACCCAAATCTGCAAGGTCTTGCGTTAC GGCATCGTATCGCGCCATGTATTCCAGCTCGGGAATGGCTTTGTTTAATTCGGCATCTTT ATAGATGTGGTCGACAGCCTTGTGGAAAACGGATTGGAGTTTCAAAAATTTGATGTAGTT TTCTTTGCTGACAAACGGTTGGACAGACATAACGAGGTTATCCACGCTGTCGTGAACCGC CGTGGTATCCGCCTTCAAGCGTTTGGCAAATGTCAATGCTTGATTTTCGGTTTCACTCAT CATATATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAAC GATTCTCTAAGGTGCTGAAGCACCAAGTGAGTCGGTTCCGTACTATTTGTACTGTCTGCG GCTTCGCCGCCTTGTCCTGATTTTTGTTAATCCACTATAAAAATAATAAAGAATCATAAA CGAAATTTATTATCACATATTTTTGGAAAAAATATCATTTGCGTGATGTTTTTAAGCAGG TATTTTACTATTCTTTACAGAATCGGGATTTTATCAAATGGGTTCGGCAGTCGGCGGACA ACCGCTCAAAAAATATTTTTGCCGGACACCAAGGGTTTGTTCATACTGCCGAACCTGCCG GTTTTGCATCCTGATTGGGTGTATCGCCTTTTTTCCTTTATAATGCCGCCACTTATATTT GCCACTTTCCCGATGAAGCCGTTTGCCGAAAATATCCCCCACAGCCTTCGCGGCAACTGC TGCGACGAAGCCCTGCCGCCGCATACGGTAGATTGTCCGGAATGCGGCTGCCGCGCGGAT GTACCCCGGTTGGACAGTGGAGAAGCGGCGTTCTGTCCCCGTTGCGGACACAAACTCTTC AGGGTGGCAGCATCCTTTTTCCGCCCCGCCCGCCTATGCGGCGGCTTCGCTGATTTTA ATGGCGTTTGCTTACGGTATGACGTATATCGAGGTCGGGATACCGGGTGCGGCATCCGTC CTTTCGCTGCCCGAGATGATGCGCCTGATGGTGTTTCAGGATTATGGTTTTTTGGCCGAA GTGATGTTTGTGCTGACTTTCGGCGCGCCGGTTCTGTTTCTGCTGCTGTGCCTGTATGTC TATGCCGCGCTGATACGGAAACAGGCGTATCCTGCGCTGCGTTTGGCAACGCGTGTGATG ATCAAGCTCTCGTCTGTGGCAGAGGTTCGCTTCGGGCCGGCGTTTTATCTGATGTTCGCG CTGTCAGTTATGCTGATTCGGACTTCGGTATCGGTTCCCCAGCATTGGGTGTATTTTCAA ATCGGGCGGCTGACGGGGGATAATGCGGTTCAGACGGCATCGGAAGGTAAAACCTGTTGC AGCCGCTGCCTGTATTTCCGCGACAGTGCCGAATCCCCCTGCGGCGTGTGCGGTGCGGAA CTGTACCGCCGACGGCCGAAAAGTCTGAGTATTTCGTCGGCGTTTCTGACGGCGGCGGTT **ATTTTGTATTTCCCTGCCAATATCCTGCCGATTATGATTTCGTCCAATCCTGCCGCCACG** GAGGTCAATACCATCCTTAACGGCATCGCTTATATGTGGGACGAGGGCGACAGGCTGATT GCGGCGGTTATTTTCAGCGCGAGTATTTTGGTGCCGGTACTGAAGATTGCGGCAATGTCG GTTTTGATTGCGTCCGCCCGCTTCGCTTTGCCAACGGGTGCAAAGAAATTGTCGCACCTC TTGATGTGTTCGTTCCACACTTATGCCGCGCGCGTCATTCCGGGCAGTGCGGCAGTCTAT TTCTGCCTGGTCGTGATTCTGACGATGCTGTCCGCCTATTATTTCGACCCGCGCCTGCTT CAGCCCTCCTCCAAACGGACACGCCCAAGCACGCGTCCGCAAAAACAACACCTTCCTCTC **AATCCGCAACAGGGGGCCTGTGGTTACGCTCTTGATGGACAGCGCGGAAGGCATTGAGGT**

CAACAATACGGTCATCAAAGTATTGAGCATCGATGTCGGACGCGTTACCCGAATCAAACT GCGCGACGACCAAAAAGGCGTGGAAGTAACCGCCCAACTCAATGCGGACGTATCCGGCCT CATCCGCAGCGATACCCAGTTTTGGGTGGTCAAGCCGCGTATCGACCAAAGCGGCGTAAC CGGTTTGGGTACGCTGCTTTCGGGTTCGTACATCGCCTTTACACCCGGCAAAAGCGACGA GGCAAAAGACGTGTTCCAAGTGCAGGACATTCCGCCCGTTACCGCCATCGGGCAAAGCGG GCTGCGCTTGAATTTGATTGGTAAAAACGACCGCATCCTCAACGTCAACAGCCCTGTTTT GTATGAAAATTTTATGGTCGGGCAAGTCGAAAGCGCGCATTTCGACCCGTCCGACCAAAG TTTTTGGCTGGAAAGCGGCATCAATATCGAAACCACAGGCAGCGGCATCAAACTCAATTC CGCCCCTCTGCCTGCCCTGCTCTGGGGCGCGATTTCATTTGATTCGCCGAAAACCAAAAA CAGTAAAAACGTCAAAAGCGAAGACAGCTTCACGCTTTACGACAGCCGCAGCGAAGTCGC CAACCTGCCTGACGACCGCTCGCTGTACTACACCGCGTTTTTCAAACAATCCGTGCGCGG CCTGACCGTCGGTTCGCCCGTCGAGTACAAAGGGCTGAATGTCGGCGTGGTTTCCGACGT TCCTTATTTCGACCGCAACGACAGCCTGCACCTGTTTGAAAACGGCTGGATACCCGTACG CATCCGCATTGAACCTTCCCGTTTGGAAATCAATGCCGACGAACAAAGCAAAGAACATTG GAAACAACAATTTCAGACGGCCTTAAACAAAGGCCTGACCGCCACCATCTCCAGCAACAA CCTGCTGACCGGAAGCAAAATGATTGAGTTGAACGATCAGCCTTCCGCATCACCTAAGCT GCGACCGCATACCGTTTATGCAGGCGATACCGTTATCGCGACCCAGGGCGGCGGTTTGGA CGATTTGCAGGTCAAATTGGCGGATTTGCTGGACAAGTTCGACAAACTGCCTTTAGATAA GACGGTTGCCGAATTGAACGGTTCGCTTGCCGAGCTCAAATCCACACTCAAATCTGCCAA TGCCGCCCTAAGCTCCATCGACAAACTGGTCGGCAAACCGCAGACACAAAACATTCCGAA CGAACTGAACCAAACCCTGAAAGAGTTGCGCACAACCCTGCAAGGCGTATCGCCGCAATC GCCTATCTACGGCGACGTACAAAATACGCTGCAAAGTTTGGACAAAACTTTAAAAAGACGT TCAACCCGTGATTAATACTTTGAAAGAAAAACCCAACGCGCTGATTTTCAACAGCAGCAG CAAAGACCCTATCCCGAAAGGAAGCCGATAATGCGCCTTTTCCCGATTGCCGCCGCCCTG TCGCTTGCCGCCTGCGGTACTGTGCAAAGCACACAATATTTCGTGTTGCCCGACAGCCGC TACATCCGTCCTGCAACGCAAGGCGGCGAAACTGCCGTCGAAGTCCGTCTTGCCGAACCG CTCAAACGCGGCGGACTGGTCTATCAAACCGACCCCTACCGCCTCAACACCGCACAAAAC CACGTCTGGGCAGACACCTTGGACGATATGCTCGAAGCGGCGTTGAGCAATGCATTCAAC CGTTTGGACAGCACACGCATCTTTGTTCCTGCCTCACGCAGCGGCAGTACCGAAAAATGG ACGGTCTATATCGACGCATTCCAAGGCAGCTACACGGGCAAAACCCTCATCAGCGGCTAC GCCGTCCTACCCGACGGTACGAACAGACCCTTCCATATCGAAAACCGAACAGCAGGGTGAC GGCTACGCCGCGATGACCGCCGCACTCGAACAGGGACTGAAACAGGCGGCGCAACAGATG GTCGAGTAAACCGTGAACTATTGCGAATTTGCCGCCTCACTTCCCGAAAACACCGATAAC CCGAACAACATTACCACGACACGCAATACGGTTTTCCGATTGAGGACGACAATGAATTG TTTGAGCGGCTGGTGTTGGAAATCAATCAGGCAGGATTAAACTGGACGCTGATGCTGAAG AAGCGGCAGGCGTTTCAGACGGCATTTGAAGGTTTCGACATCGATACGGTTGCCGCCTTC GACGACACCGACCGCGAACGCCTGCTTGCCGACGCGGGCATTGTCCGCAACCGCCTGAAA ATCGATGCCGCCATTTTCAATGCACGGCAAATCCAAGCGTTGCAACAAGAATACGGCTCG TTCAAGAACTGGCTCGACACGCACCATCCGCGAAGCAAAGACGAATGGGTTAAACTCTTT AAAAAACATTTCAAATTCGTCGGCGGCGAAATCGTCGGCGAATTTCTGATGAGTACCGGC TACCTCAAAGGCGCGCACGCCGAAAGCTGTCCGGTTTACCGTGAAACCCTGAAATACCAC CCGAAATGGCTCGATGCCATCTGAAAAACCAATGAACAGAAGAACCTTCCTCCTCGGCGC AGGCGCGTTGCTGCTTACCGCCTGCGGCAGAAAATCCGCCCGAACCCCACGCCAAAATTCC CGAAGGAAGCACCGTACTTGCCTTGGGCGATTCGCTTACCTTCGGCTACGGCGCAAACCC TGGCGAATCCTACCCCGCGCAACTGCAAAAACTGACGGGTTGGAATATTGTCAACGGCGG CGTATCGGGCGATACATCTGCCCAAGCCCTGTCGCGCCTGCCCGCGCTGTTGGCACGCAA ACCCAAGCTTGTGATTGTCGGCATAGGCGGCAACGACTTTCTGCGCAAAGTTCCCAAGGA GCAGACCCGCGCCAATATCGCGAAAATCATCGAAACCGTGCAGAAGGAAAACATCCCCGC CGTCCTCGTCGCCGCGCCACATCACACTGGGTGCGTTGTTCGGGCATTTGAGCGATCA TCCGCTGTATGAGGATTTGTCCGAGGAATACGGCATTCCGCTGTTCGGCGGCGCGTGGGC GGAAATTTTGGGCGATAATAATCTGAAATCCGACCAAATCCACGCCAACGGCAAAGGCTA TCGGAAATTTGCCGAAGATTTGAATCAATTTTTGAGAAAACAGGGGTTTAGATAAACAAA GGTTTATCCGCACCCAAGTTGTTTATATAATCATGAACCGACTGGGACACCAAACTGCTT CGGGACGCATATGCCGTCTGAAGTGCAAAGCCTACGCCATACAGCCGCATGAAGTTGCAG AGCCTGCTGTGGATAAAGCCCGGACAGGCTGAAATCATGGAATATTGCGAACCTGAAGAA GCATCCGACCCGTACGCAACATACAGGCGTGCCAACCTGATGGCGGGTCTGCCGCTGTTT GTCGTGATTTTGGTTCTGCTCAATATTGTTTTTCCGCTTCCGGCGCATCCCTTAGCTTGG CTGGTGCCTGCAGGTTTCATGGTTTTGGGCGGCGGCTTTCCCTTATCGCTGCCGCTTGTG GCGCTGCTTGTCCTGACCTGCTGCATTCTGGCGCATTGTCCGCCATTATCCCGTCTTTTG TGCTACCCTTGCCCGAATCATCCGATGTCTAAAAATTCTGCCTGATGGCAGCCCTACAAA CCCGAAGGAGTAGAAATGAAACTGTCCGAACTGTTCAACCCCGACGAATTTGCCGCGCGG CATTTGAGTTTTGGCGACGAAGCGGCGTTGCTTGCCGCTGTCGGCGAGAAAAGTATGGAC GATTTTGTCGGCAACACCGTGCCGCAAAGCATCCGTATGCCGTCTGAACTCGATTTGCCC GATGCCCTGACCGAAGCGGACGCGTTGGCAAAATTGAAAGGCATTGCGTCGAAAAACATG ATCAACAAATCCTATATCGGTTTAGGCTATTACCCGACCCGCGTGCCGAACGTGATTTTG CGTAACGTATTGGAAAATCCGGGTTGGTACACCGCCTACACGCCGTATCAGGCGGAAATC GCGCAGGTCGTTTGGAAGCTTTGTTGAACTTCCAACAAGTGTGTATCGATTTGACCGGTT TCCCTGTGGCGGGCGCGTCTTTGCTGGACGAAGCGACCGCCGCCGCCGAAGCGATGGCGA TGGCGCACCGCGTGGGCAAGGTAAAATCCGAGCGTTTCTTTGTGGACGAGCGCGTGTATC CGCAAACTTTGGACGTGATGAAAACCCGTGCCAAGTATTTCGGCTTCGAGCTGGTGGTCG GCGATTTTGCCCAAGCCGACGAAGGCGAATACTTCGGCGCGCTGTTCCAATACGTCGGCA AAGAEGGCGAEGTGCAAGACTTGCAGGAEGTTATCGGCCGTCTGAAAGCEAAAGGCACGA TTGTCGCCGTTTCCGCCGACATCATGAGCTTGGTTTTGCTGAAACCGCCTGCCGAATTGG

GTGCGGATATTGCGTTGGGCAACACACACGCTTCGGCGTGCCGATGGGCTTCGGCGGGC CGCACGCCGCTTATTCGCGTTTAAAGACGAGTTCAAACGTTCCGCCCCGGGCCGCATCA ${\tt TCGGCGTATCCAAAGACGCATCGGGCAAACCTGCCTTGCGCATGGCTTTGTCCACCCGTG}$ AGCAACACCCCCCCCGCGAAAAAGCTACATCCAATATTTGTACCGCGCAGGCATTGCTGG CGAATTTGGCGGGTATGTATGCCGTTTACCACGGCCCTGAAGGCGTGAAACGCATTGCCA ACCGCATTCACGCGCTGGCTTCTGCCTTTGCCGATGCGCTGGTTTCAGACGGCCTGAATG TGGTTCACAAAGTCTTTTTCGATACTGTTACCATCGATTTTGGCAGTAAAGAGAAAGCAG ACCAAGTGTTTGCCGCTGCTTTGGCGTCGGGTTACAACCTGCGCCGCGTCAACGATACTC **AAGTTGCGGCTGCATTCCATGAAACATCGGCATACGAAGATTTGGTCGATTTGTACCGCG** CGTTTACCGGCAAGGATACGTTTACATTTGCCGATGATGTCAAAGGCCGTCTGAACGCCG AATTGCTGCGTCAGGACGACATTCTGCAACATCCTGTGTTCAACAGTTACCACACCGAAC ACGAAATGTTGCGTTATCTGAAAAAACTCGAAGACCGCGACTTGGCGATGAACCGCAGTA TGATTTCATTGGGCAGCTGTACTATGAAACTCAACGCGACTGCGGAAATGTTGCCGATTA CTTGGGCCGAGTTCACCGACATCCATCCTTACGCTCCCGAAGCGCAAACCGCCGGCTACC GCGAATTGCTCGCCGATATGGAAAACAGCCTGAAAGCCATCACCGGCTTTGACGCGATTT CCCTGCAACCAAATTCCGGCGCACAAGGCGAATACACCGGTATGCTCGCCATCCGCCGCT GTACCAACCCGCCACCGCCATGCTCGGTTTGAAAGTCGTCGTCGTCGACACCGACG AACACGGCAACGTCAACATTGACGATTTGAAAGCCAAAGCCGAGCAACACCGCGACGCTT TGTCTGCCATCATGATTACCTATCCGTCCACCCACGGCGTGTACGAAGAAGGCATCCGCG ACATCTGCCGCATTATTCACGAAAACGGCGGACAGGTTTACATGGACGGTGCGAACCTCA ACGCCCAAATCGGCATCATGCAGCCTGCCGAAGTCGGTGCGGATGTGTTGCACATGAACC TGCACAAAACCTTCTGTATCCCTCACGGCGGCGGCGGCCCGGGCATGGGTCCGATTGGCT TGAAAGCCCATTTGGCTCCGTTTGCCCCGGGCCATACCTTGACCGACACCCCACAACGCGG CTTGGATGTACCTGACCATGATGGGCAAACAAGGCATGGAACAGGCAACGCGCTGGGCAT TGCTCAACGCCAACTACGTCGCCAAAGCCTTGGGCGAGGATTATCCGATTCTCTACACCG GCAAAAACGGCCGCGCGCGCACGAATGTATCGTCGACTTGCGTCCGCTCAAAGCCGAAA GCGGCATTACCGAAACCGACATCGCCAAACGCCTGATGGACTACGGCTTCCACGCCCCGA CCGAACTCGACCGCTTCATCGCCGCCCTGAAACAAATCAAACAGGAAGTGCTGAAAGTCG GGCGCGGCGAATGGCCGAAAGACGACAACCCACTGGTCAACGCGCCGCACACCGCCGCAG ATATAACCGGCAACTGGGCGCATCCGTATTCCCGCGAAGAAGCCGTCTTCCCGTTGCCGT TCGTCCGCGAACACAGTTTTGGCCCTTCGTCAACCGCGTGGACGACGTGTACGGCGACC AAAAAATGCCGTCTGAAACATTTTCAGACGGCATTTTCATCAACGGCAAACCAGTTGCAC CAATACACGTATCTCGACTATAACTTTAAAACAAATGAGTTAAACCAGTATCCATACATC **AGCTTTTTTATCATCCTACTTTTTATTCATCCGATCGTGCAAACAGATTTCAAAGATGAA** AAAAACCAGTACAGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTCA AGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTACGGCTTCGTCGCCTTGTCCT GATTTTTGTTAATTCACTATAAATTCCCATAAAAAAACGGAGCAGATACCTGCCCCGTTT TTATTTAATCCGAAATTTTAATCTAAATTTAGAATTTTGCACCGGATTGGTTTGCCATAT TCGCGTTAAAGCCTTCAAGGGCGTGTTTGTGCAAGGTTTCTTTGCCTTTTTTGATACGCG GTGCCCAATCGTCTTTTTTGCCTATGCCGGGAATACCGGGGAATCGAACCGCCGTGGCACA CCTGACAGGTTGCTTCGAAGACTTTTTTACCGTCAACGCCGACCGCAGGGGCTGCCGCAC CCTTGTCTTCTGCCTTCGCCTGCCGGAGCTGCACTATCGGCAGGAGCAGAAGCTGTTC CTGAAGCGGCATTGTCGGCAGGCGCAGCCTCATCAGGATTCGGGAAAGAACCGCCGCTTT TGTTCGCCATGTAAGTAATCGCCCGTTTAAGTTCCTGATCGGTCAGGTCTGCCGCACCGC CTTTTGCAGGCATGGCGTTAAAGCCGTTCAGCGCGTGTTGGAACAAGGTATCGAAGCCTT GCGCGATACGCGGTGCCCAATCGCCGTTGTGTTCCAGTTTCGGAGCGTTCGGCACATTGC TGTCCGCCGCGTGGCATTGGATACAGATTTTGCCGAAAATCTGTTCGCCTTGGCGTTCGC CGACGGGGATGCCGTCGCCCATCGTCAATTGTCCGACAGGCTGGATACGGGTCTGCGTTG CTGCTTCCGTAGTGGCATCGACATCGCCGAACGAGCCGCTGCCCGCCAGCTTAATCAGGA AATAAAGGACTGCAATAACAATAACGATACCGCTCACAAGGGTAAACAGTGCAGAGCCTT GGGCTTTGTTGTCGCGGAGTTGTTTCATTTGGTAGGCCTCGCCGTCAGGTTAGGTTGTGC TGTAAATTATAGTTTGGTGTGTTAAACGCAGTTAACAATATTTTGCTGGATTATACTGAA TTCACAGGGTCTTTCCAATCGCTATCATTGAAAATATGAAAAATTTGCCAACGGTATCT **GTATAAAACAAATAATCCTTTGAAAATAATTGTTTATCCTCAAGAAAACTCTCCTTATGC** CGCCATACGCCGCCTGCCGGCGCAAGATAACCTTTGCCAATTTGCAGAATTTACGTTAAC CTTGCGTTTTCCGCACCCATAGCTCAGTTGGAAGAGTGTCAGTTTCCGAAGCTGGAGGTC ACAGGTTCGATCCCTGTTGGGTGCGCCAATTATAAAGAGACCGTCTGAAAGATAAATATT TTTCAGACGGTCTTTTGACTTACTTCAAACTCTTATTTCAAGACTTCCGCAAATGCGCGG GCAACATAGTCGGTATTCGACGTATTCAGTCCGGCGACGCACATCCTGCCGGAATCCAGC AGGTAAACGGCAAATTCGTCGCGCAGCCTGCGGACTTGTTCCACGCTCAATCCTGTGTAG CCGAACATGCCGCGCTGTTTGATGAAATAAGTGAAATCGCGATTGGGGATTTGCGCAGTT AAGACATCATAAAGTTTCTGCCGCATCGCACGGATGCGGTCGCGCATCATATAAACCTCG TTTTGCCACAAGGCGTAAAGTTCGGGGGCTGTTCATCACGTCGGCGGCGATATACGCGCCG TGCGCGGGCGGCTGGAGTAGATGCGGCGGACGGTGAATTTGAGCTGTCCGAACACCAAA TCCGCTTCTTCCTTATTCGGGCAAACCACGCTTAAGCCGCCGACGCGCTCGCCGTAGAGC GACAGGTTTTTTGAGAAGGAATTGCTGACGAACAAGGGCAATTCCATTTCCACCGCTTTG CGGACGGCGTAGGCATCGCTGTCCAAATCGCCGCCGAATCCTTGGTAGGCAATGTCCATA AAGGGAATGAGTTTGCGCGTTTTGATGATGTGCAACACTTCGTCCCATTGCCGTTCCGAC ATATCCACGCCGGTCGGGTTGTGGCAGCAGGGATGGAGGATCAGGACGCTGTTTTCGGGC

AGGGTGTTGAAAAACGCGGTCATTTCGTCGAATTTCACGCCGACAGTGGCAGGGTCGTAA TATGGGTAAGTGCCGACCTCGAAACCTGCGCCTTCAAAAATGCCGCGATGGTTGTCCCAA GTCGGGTCGCTGACGTAGGCGCGCGCTTCGGGAAACCAGCGGTGCAGGAAGTCCGCCCCG ACTTTGAGCGCCCCGAGCCCCCAAGGTTTGTACGGTAACGATGCGCCCTTGCGCAAGC GCGGGATTGTCTTTGCCGAACAATAAATGCTGCACCGCGCTGCGGTAAGTGTCCAAGCCT TCCATCGGCAGGTAGGGCGACGGCGCAGGCGGCACGGGCGGTTTCGGCTCGGCTC ACTTTTTCGGGGCGCGGGTCGTTTTTGAAGGTTTCGACCAAACTCAAAATCGGGTCGCCA GGATAGTATTCGATGTGTCGGTACATAGTCCTTACCTCTTGCTTTTTCAAAGGATTTTCT TTTTCAACAATACACCACTTTCGATATGGTGCGTAAACGGGAATTGGTCGAACAGGGCGG CACGTTCGACCGCATGGGTTTCCGCCAAGGTGTCCAAATTGGCGCGCAACGTTTCGGGAT TGCAGGAAATGTAGATGATGTTGTCAAACTGCGACACCAGCTTCAAAGTTTCCTCATCGA TACCGGCACGCGGCGGATCGACGAAAATAGTGGAAAATGCGTAATCCGTCAAAGCAATAC CGCCATCCTTAAGGCGTTTAAACTCACGTTTTCCGGTATAGGCTTCGGTAAATTCTTCAG CAGACAGACGGGCGATTTTGATGTTGCCGATGCGGTTGGCTTCGATATTCCATTGCGCCG CGCTGACGGAGGTTTTGGAGATTTCGGTTGCCAAAACCTGTCGGAAATATCGGGACAGCG GCAGGGTGAAATTGCCGTTTCCGCAATACAGTTCGAGCAGGTCGCTGCCCAAGCCTTCCG CCGTGCGGCACGCCCATTCAAGCATTTTCTGACACACGGCGGCATTCGGTTAGGTAAAAC TGCCTTCAATTTGCCGATAACGGAAATCCCGGTTGCCGACCTTCAAAGTTTCCGTTACAT AGTCCTGTTTTAAGACTATTTTCTGTCCCCTGCTCCGCCCAATAACGGAAATATCCAACT GTTGCTGTAACGCTTGCGCCGCCTGCATCCACTCAGCATCAAGCCTTTTGTGGTAAATCA TGGTAACCAGCATTTCCCCGCTGAGCGTGGACAGAAATTCGACGGCATACCAGCGTTTTT TGAGTTCGGGGGATTGCGCGGCGGCGGCGATCAGCTCGGGCATGAGGCGGTTGACAGCCT CGGAAGCTGCTTCAAAACGGTCGCAGCGTATCATGCTTGCGCCGCTGGCTTTCTGCCCTT TTTCAAACATGGCATAAAACATTTCCCCGCCTTCGTGCCAAATACGGAACTCGGCACGCA TACGGTAATGTTTGTCCGGAGATTCGTACACTTCCCACTCAGGAACATCCAAACCTGCAA ACTGCCGCCCTTCAATGACGGACGGGCTTTTGTGCTAAAATCCGCCATCTTTCCACACT ATACCGATAAAGGGAAAAATCATGGCAGGCAACACTTTCGGACAACTCTTCACCGTTACC ACCTTCGGCGAAAGCCACGGCGCGGGTTTGGGCTGTATCATCGACGGCTGCCCCCCGGC CGCCACGTTACCCAACGCCGCGAAGCCGACCAAGTCGAAATCCTCTCCGGCGTATTCGAA GGCAAAACCACCGGCACGCCCATCGCCCTCTTAATCCGCAATACCGACCAGCGCAGCAAA GACTACGGCAACATCGCCACCAGCTTCCGCCCCGGCCACGCCGACTATACCTATTGGCAC AAATACGGCACGCGACTACCGCGGCGGCGGCAGGAGCTCCGCCCGTGAAACCGCCGCC ACCGCCTACGTTACCCAAGTCGGCGAAAAAGAAATCCGGTTTGAAGGCTGCGAACACATT TCCCAAAATCCTTTTTTTGCCGCCAACCATAGCCAAATTGCCGAGCTGGAAAACTATATG GACAGCGTGCGCAAATCCTTGGATTCCGTCGGCGCGAAGCTGCATATCGAAGCAGCCAAT GTCCCTGTCGGCTTGGGCGAACCTGTTTTTGACCGCCTCGATGCCGAAATCGCCTACGCG ATGATGGGCATCAACGCCGTCAAAGGCGTGGAAATCGGCGCAGGTTTTGACAGCGTAACG CAACGCGGCAGCGAACACGGCGACGAACTGACCCCGCAAGGCTTCCTGTCCAACCACTCA GGCGGCATCCTCGGCGGCATCAGCACCGGGCAAGACATCCGCGTCAATATCGCCATCAAA CCCACCAGCTCCATCGCCACCCCGCGCCGCAGTATCGACATCAACGGCAACCCCATCGAA CTCGCCACGCACGGCAGGCACGACCCCTGCGTCGGACTGCGCTCCGCGCCGATCGCCGAA GCCATGCTCGCGTTAGTCCTCATCGACCACGCCCTGCGCCATCGCGCGCAAAATGCCGAC GTTCAGGTTAATACGCCCGACATTACCCTTTCAAACAAATAAAAATTTAGCCAAAACACA GAATACAACCGAAATGACACAAGAAACCGCTTTGGGCGCGGCACTAAAATCCGCCGTCCA AACTATGAGCAAAAAGAAACAGACCGAAATGATCGCCGACCACATCTACGGCAAATACGA TGTATTCAAACGCTTCAAACCGTTGGCGCTCGGCATCGATCAGGATTTGATTGCCGCTTT GCCGCAATACGATGCCGCACTGATTGCACGCGTCCTCGCCAACCACTGCCGCCGTCCGCG CTATCTGAAAGCCTTGGCGCGCGGGGGCAAACGTTTCGATTTGAACAACCGTTTCAAAGG CGAAGTTACCCCCGAAGAACAGGCGATCGCGCAAAACCATCCTTTTGTGCAGCAGGCTTT ATCTTCCGCAGCAGAATAAATCCCCAAACGAAATGCCGTCTGAAAACCGATTTGGTTTCA GACGGCATTTTTTCGTATGCGGCAATCACGGTTCAAATATCCAATTCCGCCGTATCGCCT TCGCGTTCCATCCAAGCGCGGCGGGGGGGGGGTTCGCCTTTGCCCATCAGTTTGACGAAG ATGTCGCGCGTCTCGTCATCTGCACCTTCTGGGATTTGTACCTGCAACAGGCGGCGGGTG TCGGGGTGCATGGTAGTATCTTTGAGCTGGTCGGGGTTCATCTCGCCCAAGCCTTTGAAA CGGCTGATGGAATAGGCGGTTTCTTTAACGCCTTCTTTTTGCAGCCGCTCCAAAATGCTG TCGAGTTCGTTTTGGTCGAGGGCGTAGAATTTGCGGGCAGGTTTGCTCTTACCTTGTGCG TTGACATCGACGCGGAACAGTGGCGGCTGGGCGACGTAGATGTGTCCGTCGGCAACCAGT TTCGGGAAGTGGCGGTAGAACAGGGTCAGCAGCAAAACTTGAATATGCGAGCCGTCCACG TCGGCATCGGACAGGATGGCGATTTTGCCGTAGCGCAGGCCGCTTAAATCGGGATGGTCG TTAATACCGTGCGGATCGACGCCGATGGCGACGGAAATGTCGTGGATTTCGGCGTTGCCG AAGAGTTGGTCGGGGTGGACTTCAAAGCTGTTGAGCACTTTGCCGCGCAGGGGCAGGATG GCTTGGGTGGCTTTGTCGCGGGCGAGTTTGGCTGAGCCGCCGGCGGAATCGCCTTCGACG AGGAAGAGTTCGTTTTCGCGGATGTCTTCGCTTTCGCAGTCGGTCAGCTTACCGGGCAGG ACGGCGACGCCGCTGCCTTTTTTCTTTTCAATCTTTTTAACCGAACGCATCCGCGCCTGT GCTTGGCGGATGGCGAGTTCGGCGATTTTTTTGCCGAAGTCCACGTTTTGGTTCAGCCAC AATTCCAAAGGGTCGCCCGATACGGTGGCGACGAGTTTCAGCGCGGTCGCGGTTGGTCAGC TTGTCTTTGGTTTGACCTTGGAACTGCGGGTCGAGGACGCGGGCAGAGAACGAAGGCG GTTTTTCCGAACACGTCGTCGCTTTGCACTTTAACGCCGCGCGCAAGAGGTTGTGCAGA

CCCAGCGGGGTGGGGATGAGGTTGACGTAGCTTTCGTTGGCGCACGAGCCTTCTTCCAGC CAAGTCAGGGCAAACGCCGCTCCTTCGCCGATGCTGAAATCGCCGTTGTGTTCGTCTGAA AGATAGCTTTTCAGGCCGTCGGGGTAATGCCAGGTTTGGGTGTGCGCTTCGTCTTCGCCT TTGACCGGACGGGTCAGGGAAACGCGCACACCCGGCAGCAGCACGCCTTTGGCACGCAGC AGGCGTTCGAGTTCGGGAATGCTGTAATTCGGGCTTTCAAAATATTTGCCGTCCGGCCAG ACGCGCACTTCTGTACCGCTGTCTTTGACGGCGCATTTGCCCACTTGTGCCAACGGTTCG ACCACGTCGCCGCCGGCAAACACGATGCGGTGGATTTTGCCTTCGCGTTTGACCGTTACT TCAAGGCGGGTGGAAAGGGCGTTGGTGACGGATACGCCCACGCCGTGCAGGCCGCCTGAA **AAGGCATACGCGCTGCCTCCGTCTTTTTTGTTGAACTTGCCGCCTGCGTGCAGACGGGTG** AATACGAGTTCGACTACGGATACGCCTTCTTCGGGATGCAGGCCGACGGGAATGCCGCGC CCATTGTCGTGCACGGAAAGCGAACCGTCTTCATGAATTTGCACGTCGATTGCAGTCGCG **AAACCGCCCAACGCTTCATCCGACGCGTTGTCGATGACTTCTTGGCAGATATGGGTCGGG** CTGTCGGTGCGGGTGTACATACCGGGACGTTCTTTGACCGGCTCCAAGCCTTTGAGGACG GTGATGCTGGATTCGCTGTATTGGTTGTTTTTAGCCATGGGAATAATCTGAAAGTAAGAA AAACAACGCTTTCAGACGGCCTGAAAGCGTTGCGTTCCGTTGTTTTAGCGGTTGTCGGAA GATTGGCGGGCGCAAAGTCTTCATAACTTTCCATACCGCGCAGGAAGCGGGAAGAGAGT CAATATTGATGCCAACGCCAGCCGTCAAATTCGGGGTGGCGGGTGGCGCGCAGGTTGACA TCGCAATCTCGGCCGGTCAGGCGCAGGAGATACCAAATCTGCTTCTGTCCGCGATAAGAG CCGCGCCATTCGCGGCGTACCCAGTTGTTCGGCACGTCATAACGCAGCCAGTCGCGCGTG CGGCCGATAATTTTGACGTGTTGCGGCAAAAGCCCGACTTCTTCGTACAACTCGCGGTAC ATGGCGGTTTCGGGGGCTTTCGCCCGGCTTGATGCCGCCTTGCGGAAACTGCCAAGAATGT TCGCGCACGCGCTTACCCCAAAAGACTTCGTTGCGGTTGTTGATTAAGATGATACCGACA TTGGGGCGATAGCCTTCCCTGTCCAACACGGTGTCGCCCTCCGTTAAATTCAATCTTGGG ATTTTCCCACAAATCAGGCGGTTTTGACAAATCAGACGGCATGGCGGTACGCGTGCCGAA ACACGGGGGATTTGGGAAAATATCTTAAATTTGGTTTACAATAATGTATTTCAAATTAT TCGGGAATCAGACCATGTTAGATATCCAATTGCTCCGCAGCAACACCGCCGCCGTTGCCG AACGGCTTGCACGGCGCGGTTATGACTTTGATACCGCACGTTTTGACACACTGGAAGAAC GACGCAAGTCCGTTCAGGTGAAAACCGAAGAATTACAGGCCTCGCGCAACAGCATTTCCA **AACAAATCGGCGCACTGAAAGGTCAGGGCAAACACGAAGAAGCGCAGGCGGCCATGAATC** AGGTTGCCCAAATCAAAACCGATTTGGAACAGGCTGCCGCCGATTTGGATGCCGTTCAAA AAGAATTGGACGCATGGTTGTTGAGCATACCTAACCTGCCGCACGAAAGCGTACCTGCCG GTAAAGACGAAACCGAAAACGTCGAAGTCCGCAAAGTCGGCACCCCGCGCGAATTTGACT TTGAAATCAAAGACCATGTCGATTTGGGCGAACCTTTGGGTTTGGATTTTGAAGGCGGTG CAAAACTCTCCGGCGCACGATTTACCGTGATGCGCGGACAAATCGCCCGTCTGCACCGCG CCTTGGCACAGTTCATGCTGGATACGCACACGCTGCAACACGGCTACACCGAGCATTACA ${\tt CGCCTTATATCGTTGACGATACGACGCTGCAAGGTACGGGCCAACTACCAAAATTTGCGG}$ AAGATCTGTTCCACGTTACCCGTGGCGGCGACGAAACCAAAACCACCCAATACCTGATTC CGACAGCCGAAGTTACCCTGACCAATACCGTTGCCGACAGCATTATCCCGTCCGAACAAC TGCCGCTGAAGCTGACCGCGCATTCGCCCTGTTTCCGCAGCGAGGCGGGTTCGTACGGCA **AAGACACGCGCGGTCTGATTCGCCAGCACCAGTTCGACAAAGTGGAAATGGTTCAAATCG** TTCATCCCGAAAAATCATACGAAACGCTGGAAGAAATGGTCGGCCATGCCGAAAACATCC TGAAGGCTTTGGAACTGCCCTACCGCGTGATTACCCTGTGTACCGGCGACATGGGCTTCG **ACGAAAACGGCAAAAACCGCTTGGTACATACTTTGAACGGCTCCGGCTTGGCTGTCGGCA** GAACGCTGGTCGCCGTATTGGAAAACCATCAAAACGCCGACGGCAGCATCAACATCCCTG CCGCACTGCAACCGTATATGGGCGGTGTTGCCAAGTTGGAAGTCAAATAAGTTTGCAGGC TGCCTGAACGTCAAATGCCGTCTGAAACCTGTTTCAGACGGCATTTCCTTTAAACTTTTA AAACACGTCAGCCGTCGGCACGAACCGCATTGCCGCAATCGCCGGTCTGTCCGACCTCGC GGATATTGGACAGCGTAACTTCCGAAATATTACCCAACGCCTCTTCCGTCAAAAATGCCT CATGGCCGGTAAACAGCACATTATGACAAGACGACAGGCGGCGGAACACGTCGTCGGTAA TCACATCGTTGGATTTGTCTTCAAAAAACAGCTCGCGCTCGTTCTCGTACACATCCATGC CCAATGCGCCGATTTTCCGGCGTTTCAACGCCTCAATCGCGGCGCGCACTGTCAATCAGCC CGCCCGGCTGGTGTTGATAATCATCACGCCGTCTTTCATTTTGTCGAACGCCGCTTCGT TCAGCATATAGTGGTTTTCCGGCGTGGCGGGGCAATGCAGCGTGATGATGTCCGACCGGG CATACAGCTCGTCTAAATCCACATATTTGCCGCCGATTTTTTCCGCTTCGGGGTTGCAAA ACGGATCGTAAGCCAGCAGGTTCATGCCGAAACCCTTTAAAATCCGCATGGTTGCAATAC CGATTTTCCCCGTGCCGATAACGCCCGCCGTTTTGCCGTACATATTGAAACCGGTCAGAC CTTCCAGCGAAAAATTCGCATCGCGGGTACGCTGATAGGCTTTGTGGATACGGCGGTTCA GCACGACTTTCAAGCCCAACTCTTCAGCCGCCTTTAAATCCACATTATTGAAGCCGGCAC AACGCAACGCCACAGTTTTCACGCCAATTTGCGCCAATTTTTCCAACACGGGCCGGCTGC CGTCGTCGTTTACAAAATACAGACCGCTTCCGCGCCTTCCGCCATTTTCGCCGTTTTCG CATCCAGCATAAAATCAAAAAACTCCAGCTCGAAGCCGAAATGCCGGTTGGCGCGGGTAA AATGTTCGCGGTCATAGCTTTTCGTACCGTAAATCGCAATCTTCATCAATATGTCCAGTT TGGATTAAAATTGATTGCATGCACGGCATTTCCATTTCAAAACACAAAACTCAATCGCCC ATTGCCGCCAGAAGCTCGGCCTGATGCTCGGCAATCAGGGCATTGGTGATTTCTTCCAAG TCGCCGTCCATCACAAAATCCAGCTTGTGCAGGGTAAGGTTGATGCGGTGGTCGGTTACG CGGCCTTGGGGATAGTTGTAGGTGCGGATGCGTTCGCTGCGGTCGCCGCTGCCGATGAGG GCGGCGAGGACTTTCATTGCCTGCGCTTTGTTGGCATGTTGGCTGCGGCCGTCTTGGCAT

TCGACCACCATGCCGGTGGGCAGGTGGGTGATGCGGACGGCGGAGTCGGTTTTGTTGATG TGCTGACCGCCCGCGCGGATGCGCGGAAGGTGTCGATGCGCAGGTCGGCTGGGTTCAGT TCGATGTCTTCCAGTTCGTCCGCTTCGGGCATGACGGCAACGGTGCAGGCGGAGGTGTGG ATGCGGCCTTGGCTTCGGTGGCGGGGACGCGCTGCACGCGGTGTCCGCCCGATTCAAAT TTCAAACGGCTGTACGCCCCGAGTCCGACAATACGGGCGATGACTTCTTTATAGCCGCCC AATTCGCTTTCGTTGGCGGACACGATTTCAACCTGCCAACGGTTGCGCTCGGCGTAGCGG CTGTACATACGCAGCAAATCGCCGGCAAACAGCGCGGCTTCGTCGCCGCCCGTTCCGGCG CGTATTTCGATGAAGATGTTTTTGTCGTCGTCGCCATCTTTGGGCAGCAGCAGTTTTTGC AGTTCGGTATCGAGTTCGCCGATTTTGGCTTTGGCCGCTTCGATTTCTTCGGCGGCAAAG TCTTTCATTTCGGGGTCGGACAACATTTCTTCGGCATCCGCCAAGTCGCTTTGGGCAAGC ${\tt CGATAGTTTTGGAACACTTCGACGACGGGGGTCAGTTCGGCGTGTTCGCGCGTGAGCTTG}$ CGGTAGTTGTCCATGTCGGACGTGGCTTCGGGCTGTCCGAGAAGGTGGGTAACTTCTTCC AGTCGGTCGCTGAGTTGTTGTAGTTTTTCTAAGATAGACGGCTTCATAATTCTTCCATAA CAAACGCCGCCTGAATGTTCAGACGGCATCAACACTGGATTATTATAATAGGTTTTCCGG ATATTCAAAAAGATAATCTTAGATGGATAACCTACCGTCCCAACAGGGCATCGGCATTGC GCTCCGTTACCTTTGCAATCTCTTCTACACAGGTTCCGCGGATTTCCGCAGCAATCTTTG CAATACCCGGAATATTGGCAGGCGTATTAATCTCTTTTTTCAGCATAAACGGGCTATCCG TTTCCAATACGAAATCCCCGTCGTTCAAGGCTTTAAGCGTATCGCGCACTTTACGCGCGT TCGGATTGAGCAGCAGCGAACCGATGCCGATTTTGAAACCCAGTTTCGTCAACACACGCG TGACGGCGGCGATGTCGGCGGTGGCTTTGAGATTATGGATAATCACGCGGCGGCGCA GGGTTTGCGCAATTTCAAGCTGGCGGACGAAAACTTGAATTTGCCGTTCGCGCTGCTGCG ACGTTTGGGTTTTATCGTAAAAATCCAAGCCGATTTCGCCGACCCATGCCTGCGGATAAT GTGCCAACATCGTTTCCAGGCGGACGAAATCCCGCTCGGCAATGCCGTCTGAAAACCAAG GATGAATGCCCAGTGCAATACGGATTTGACCGTGTTCGGACGGCATTTCCGCCAAATCCG CCACGTCCTGCCAATCCTGCGGGCGCGTCGCGGGAACGATAAACCGCTTCACCCCAACTT TCCGCGCTGCGGTCAGGATGTGCGGCAGGTTTTCGCGCAGGGCGGGATCAGCGAGATGGC **AGTGGGTGTGGTGAAGTTCATTTCGATTTCACACTAACTTTAGTCTTACCAATTCTTTG** TAAACATCTTCCTTACCCCAGCCTTGCGATACGGCGAGGGTCATCAGCGCGGTGGCGGTT TCGAGGTTGCATTTGCCGCCGTTGATGATGCCCGAGTTGCGGAACGCGTTGCCTTGCGCG TAAACGGCGGCGGTTTTGCCTTGTCGGACTTGGCTGATGTTGAGCAGCAGTTTGCCCTGC CGCGCGAAGTCTCGGACGGCGCGGATAAAACCTTCGTCTGCGGGCGTGTTGCCGTGTCCG TAGCTTTGCAGGATAAGAGCTTGGGCGGGAAGCTGTCCGAGTCCGCCAAGTTCTTGG ACGGCAAAGCCGGGGATAAGCGTGCGGACAGCGATTTTTGCCTGCGGGTCGGGATAACGG ATTTTGAGGCCGTCTGAAACGGCTGCTGCGTCTTGGGACGGGAGGCGAAGATTGTGCCAA CCCCGGGTTTCGTCCCATTCGGCAAGCGTGCCGAAATGCGGATTGTCGAAGCCTGCAGCA GTTTCGGTGCTGACTTTGCTGCTGCCGACGGCGGGATACAGTTTGCCGTCAAACGCGATG ACGGTTTGTTTGAGCTTGAGGCTGAAGGCGGCAACGGCGGTGGAGAGGTTGCGCGGGGCA TCGCTGTTTTCGGCGGCGTAAGGCCATTGGGAACCAGTCAGGACAATCGGTTTGCCCAAA CCTTGCAGAGCGAGCGCGAGGAGATTGGCGGTGTACGCCATGCTGTCCGTGCCGTGCAGT ATCAGGATGCCGTCGCATGAAGGGAGTTTGTCGGCAATGATGTCCAGCCAATCGCGCCAG TGTTGCAGCGTAACGGAGGAGGAATCAATCAAGGGATTGCAGACGTGCCACTCGAAATCG AGGCCGTCTGAAAAGGGGGAAAGGGCTTGGCTAACCAGTGCGGTATCGGGGCGCAGGCCT TCGCTGCTTTGGGTCATGCCTATGGTGCCGCCTGTGTAGAGGACGAAGATTTTTTGTTTC **ATGGACATCATCGGGTCGTCTGAAAATAATAATACGGCTTATTTAACTATATTTCGGACA** GACTGGCAATTTGGCGGCGCGGACGGTTTTCAGACGGCCTTCAAATGAAAAAGCACCCGA GGGCTGTCGATATTTGATTTTCCAAGTAGATTTTTATTCACGAAATAGGAGAGCCGCAAC AAGCTTAAATCCCTTGTGAGGTTCCCAACACGGAAGATACCGCTTTGTGGATTAAAAAAT ACGGAAACTATTGAATATCGACAACCTATTTAGGTGCTTGATTTTATTGTTTGCTTTGCG CGGCTTTTTTGGCTGCCTTGGCGGCTTTGCGTTGCGCCCGCTTTTCTTTCAATTTGCTGC GGTAAAACTGGATACGTTGGCGTTTTTTCCACCAAATCCAAGCGACAACGGTCGCACCTA TACCCAAGATAACAAAAATACCCGATTGCAGGCTGTGCATTTTCGCCATCAGCCAATCGA TGTTGTGCGCACCGTATTCGCCCAGATAAATCCAAATAGGGACGGAAATCAGTGCGGCCA GTCCATCCATAATGATAAAACGCAAGTATGAAACCTTGCGGCTGATACCGGCTGTAACAA ATACGGCCGTTCTCAAACCGGGCAGAAACGGGCGACAAATAAGACCCAGTTACCGTATT TGTCGAATTTTTCCTGAACCTGCTCATAACGTTTCGGCGTCATGATGCGCGCAATAGGTT TGAACCTTAGGATTTTCTGCCCCCAAATTCGTCCGGCGGCGAACATGATGCCGTCCCCGA CCAATACGCCGAGCATACCGACTGCAAACATAATATGCGGATTGGTATAACCCATACCCG AAATCACGCCGCCTGTTACCAAGGTCAAATCCTCGGGAATCGGCACGCCGAAACCGCAGA TGACCAATACAAAAAAAACAGCCGCATAACCGTATTCGACAAAAAAGGCTTCTAAAAAAG CAAACATGGCGGATATTCCATTGTCGGAGATAAAAAGTCAGAACAAACCGAAACATTTTC TACATGAAGCAGGCATTCTATCAAAGATTATGCCGTCTGAAAGCGGAAAAAAGGCAGATT GTTTTGCCTGATTTTGCCTAAATGCCGCCGATGGCGGCGGCAATGCGTTCCGCCCCTTCG CGCGCCCAATCCGCCTGCCGCGCCTCCACCATCACGCGCACGACGGGTTCGGTTCCCGAA GCGCGCAACACGACACGCCCTTTGCCTTCGAGTTCTTTTTCCACTTCCGCCAACACGTCT TTCGAAGCTTCCTGCCATTGCTGACCTTTTTGGATGCGCACGTTAATCATCGTTTGCGGA TACGGCTGCCAATCGGCGCAAACGGTGGCGAGGTCTTGGTTCAGCGTTTGCAGTGCCGCC **AAAACTTGCAGCGCGAAATAATGCCGTCGCCGGTGTTGTGTTTTGTCCATACACAAAATA** TGGCCGCTGGCTTCGCCGCCGATGAGCCAGCCGCGTTGGTTCAGCTGTTCCAACACATAG CGGTCGCCGACTTTGGCGCGGCAGAAATCCACGCCCTGCTCTTTCAGGGCGATTTCCATC GCCATATTGGTCATGACCGTGCCGACCACGCCGCTGATGTTGATACCTTCTCGGGCGCGG GCTTTGGCAATGACGTAAATCAGGCTGTCGCCGTCGTAAACCTGCCCGTTTTTATCGACC ATCATCAGGCGCTCGCCGTCTAAGGCGATGCCGTAGTCGGCTTCATGCTGTAAA ACGGCGGCCTGGAGTGTCTTGGTATAAGTCGCACCGCATTTTTCGTTGATGTTGTAGCCG

TTGGGTTCGTTGCCGATGCTGACGACCTGTGCGCCCAGTTCGTGAAACACCTTGGGGGCG ACACCGTACCCCGCGCCGTTGGCGGTATCGACAACCAACTTCAAACCCCGAAGGTCGGAA TGGCTGGGAAAGGTGGATTTGCAAAATTCGATATAGCGGTCGTCCGCACCGCTGATGCGG CGTGCGCGACCGAGACGGGCGGACGGTTGGGTTTTCATTTCGCCGTCGATTTTGGCTTCG ATTTCCAACTCGACTTCATCGGAAAGTTTCACGCCGCCTTCGGCGAAGAATTTGATGCCG TTGTCGGAATAGGCGTTGTGCGACGCGGAAATCATCACGCCGGCGGACAGGCGCAACGCG CGGGTCAGATAAGCCACGCCGGGCGTGGGCAGCGGTCCGGTCTGTACCACATTCACACCC GCCGCCGTAAAACCGGCCACCAAAGCGGCTTCCAGCATATAGCCGGAAATGCGCGTGTCT TTGCCGATGAGGACGCTCGGTTCTGGTCGGTGTCGTGCTGCACCAAAACCTGCCCCGCC GCATAGCCGAGTTTCAATACGAAATCGGGCGTAATCGGAAATTGCCCCACTTCGCCGCGC ACGCCGTCCGTGCCGAAATATTTTTTTGCCATGTGTTGCTCCGAGAATGTGAACCGTTGT CCGAGATTATACAGTCAGTTTGTGCCTTGCTGTCTGCACCGTTGATGCCGTCTGAAACCG CCCCGTCCTTTTCAGACGGCATGAAGTATGTGAACCGCTGTTTACAGATTGATGCCCAAC GCTTCCCACACCTTCAACGCATCCGCTGTCGCCTTCACATCATGCACCCGCACGATTTGC GCGCCGCGCGCTACGGAAGCCAACGCTGCCGCCACGCTGCCGTGTACGCGTTCCGCCGCA TTTGCCTCGCCGGTCAGCTCGCCTATCGTGCTTTTGCGCGATACGCCGATGAGCAGCGGA AAACCTGTTTCCGCCATCAATTCGGGCAAATGCCGCATCAGCGCGATATTGTGTTGCAAG GGTTTGCCGAAGCCGGAGCCGAAGCCGGGGTCGAGTATGATGCGTTGCGGTGCGATGCCT GCCGCGATACATTCCGCTGAGCGCGCTTTCAAATACCGCGCTACTTCACCGACAACATCT TGATATTTCGGATTAATCTGCATGGTTTTGGGCAAACCCTGCATGTGCATCAGGCAAATG CCCGTGTCCGCCTGACGCCCAGCAATTCGACCGCCCCTCGTCATTCAACGCCGCCACA TCATTAATAATATCGATGCCGCCGAGTGCCAACGCTTTTTCCATAATCACCGTGCGGCGC GTGTCCAAACTGATGGGAACGCCCCACCCCGCCACTTCCGCCAAAACAGGCTCAACCCGC GCCCATTCTTCTTCAGGCGAAACATAATCCGCACCCGACCGCGTCGATTCGCCGCCGATG TCGAGAATGTCTGCGCCTTCTTTTAGAAGCTGTTCGGCATGTGCCAAGGCTGTTTGGGCG TTTTGCGAATACACGCCGCCGTCGGAAAAAGAATCGGGTGTGAGATTCACGATGCCCATG TGAACTCCTCCCAAAATAAAAAAAAAAACAGATTATATGCCGTCTGAAAACCGTCTTGTGCGCTTC AGACGGCACCGCTATTCGGGCGGCAGACGGCATGTTGTCCGAATGTCTGCTCCGCCTTTG **AATCTGCCGGTATGCCTGCTATCCGCCCGACTTTTCAAAACAGGTTCCGACGATTCCGCA** CGCGCCTGCCGCCTTTGCCAAGCCGTACAGGATTTCCTGCGGCATATCGCGGTTCCATAA TCCCGTAATATTCGCAATCACGGGCAGATGGCTGATTTGGCGGACTTTCACGATGGATTC GACATCCAAACGGTAGGGATGGCCTTTGGTATGGTTCAATACGCCCGACTCGCCCAGAAT CAGGTGGCGGTTGCCGCGAGACGACATATTCTGCGGCATTCAACCAATCTTCGGCAGA GGCAAGATCGGACATCAGCCCGCCGCCCAAATACAGGATGTCCGCCCCCGCATTCAAAGC CGCTTCGACATGGCGGACGTTGCGGACGCGCACCAATACGGGTTTCCCTGCATCATGCGC CGATGCGGTCTGTTCCGCCAACCGTCTGCACCGTCCCCGCCCTTCATCCGCACTTGAAGT GTCGTATAAGTTTGCCGAAGTGAAAAACGGATCCAGAAACACTGCATCCGCATTGCGCCA TACTGACGGTTCTGCGGCGATACGGACGGTTTCCCCGCCGCCGAAAGCCACGCCTTTGGC GGCAACGCGGCTGTCTTCCGCCCGATTTTCCCGACTGACGGTTTTCCATGTATCCAAAAT GCGGACGGCTTTCTCGACCTCCGGCAGCGTCTGCACCTCCCTGACGCTCAAAACCCTATC GTCGCCGATTGCGCCGATGACAGTACGCTCGTCGCCGTGAGAAATGTGTTCTCGCAGACC TCTGCTGCGGATAAAGGCGACAACGCCGGCAATGTCCGCTTCGGCGGCACGCCTGCTCAT GACAATAATCATATTTCCTCCTGACACAAGAAACGGCCTACCCAAAATAGGATTTTTGCA AGCCGTGTTATACTGTGGCGTGTTTTACAGATTGTTCGGGCTATGGATTTATTATCGGTT TTCCACAAATACCGTCTGAAATATGCGGTGGCCGTGCTGACGATACTGCTTTTGGCGGCA GTCGGGCTGCACGCTTCCGTATATCGCACCTTCACGCCTGAAAACATCCGCAGCCGCCTA CAACAAAGCATTGCACACACACCGGAAAATCTCGTTTGATGCGGACATTCAGCGCAGG CTCCTGCCCGGCCGACCGTCATCCTGAAAAACCTGACCATTACCGAACCCGGCGGCGAC CAGACTGCCGTTTCCGTCCAAGAAACCAAAATCGGATTGAGCTGGAAAAACCTGTGGTCG GATCAGATACAGATTGAAAAATGGGTGGTTTCGAGTGCGGAACTTGCCCTGACGCGCGAC GGGAAAGGTGTTTGGAACATCCAAGACCTGATCGACAGCCAAAAAACGCCAAGCCTCAGTC AACCGCATTATCGTCGAAAACAGCACCGTCCGCCTCAATTTCCTGCAGGAACAGCTTATC CTGAAGGAAATCAACCTCAACCTGCAATCCCCCGATTCGTCGGGGCAGCCGTTTGAAAGT TCGGGCATACTGGTTTGGGGAAAGCTGTCCGTCCCGTGGAAAAGCAGGGGGCTGTTCCTT TCAAACGGCATCGGCCCGCAAATCTCACCGTTCCATTTTGAAGCTTCCACTTCGCTG GACGGACACGGCATTACCATTTCCACCACCGGCAGCCCTTCTGTCCGCTTCAACGCCGGC ACCGCCCAAATCCCCGCGCTGGCACTCAGGAACAACAGCATTAAAATTGAAACCGTCAAC GCCAACCTGCACTCCGGCATCGCCAACATCGGCAACGCCGAAATCTCCGGCAGCTTCAAA ACACCGCGCCACCAGACCAACTTCTCCCTCAATTCGCCGCTCGTATGGACGGAAAACAAA GGGCTGGACGCGCGCGCCTGTATGTATCGACCCTTCAGGATACCGTCAACCGCCTGCCG CAACCCCGTTTCATCAGCCGGCTCGACGGTTCGCTGTCCGTACCGAATCTGCAAAATTGG **AATGCCGAATTAAACGGCACATTCGACCGCCAAACCGTTGCCGCGAAATTCAGATACACA** CATGAAGACGCACCGCATCTGGAAGCCGCCGTCGCACTGCAAAAATTGAACCTGACCCCC TATCTTGACGACGTGCGGCAACAAAACGGCAAAATATTTCCCGACACCCTCGCCAAGCTG TCCGGCGACATCGAGGCGCACCTGAAAATCGGAAAAGTCCAACTTCCCGGCCTGCAACTG GACGATATGGAAACCTACCTCCACGCCGACAAAGGCCATATCGCGCTCAGCCGTTTCAAG TCAGGGCTTTACGGCGGCCATACCGAAGGCGGCATCAGCATCGCCAACACCCGTCCCGCC ACTTACCGCCTGCAACAGAATGCAAGCAACATCCAAATCCAACCGCTGCTGCAAGACCTG GAAACCCGAAAAGAGCTTATCCGCTCGCTTCAGGGCAGCCTGTCGCTAAATATTTCCAAC GGTGCATGGCACGGTATCGACATGGACAATATCCTGAAAAACGGCATTTCGGGCAAAACT

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CCATTCCAAACCGCTCCAATATGCCTCGGGCAGCATACCGGCTTCAGACGGCATATCGTC CGAAGCAGACAAAGTCAGGCTGTAACGCGTCCCTTTGGTCAGAACCATCGCCAAAGCATA AGCAAACGGCGCGCGAGTCGCCGATACGGCATATCCTTCCGGCAGCGGATCGTCCGCCGC CAAAACCAAAACCGACCGCATCCCTCTTCCAACAGTGATGCCGCTTCCGCCAATGCCGT ATGCGATTTCAACAGTTCCAACCACAAATCGAAACTGCGTGCCATTTCCCCGTCGTGCGA GGCATAAACTACCGGACTGCCGGGATGGCCGGAGGCAATGTCCCAAGCCGCGTCGCATAC CAAACGCGCCGCCTTACTCAAACGGCGGCGCTGCATAGCGGGCAGGAACGGCAATTCCGG CCTGACATCGGGCAAACCGTCGGCAAAATCCGGACATTCCGCCCATTTTGCCCACTGGGC CATATCGCGCATTTTGCTGCCCGAAACCCGCCAGGCGCGATGTCGAAGTGGAACCGGCA **AATAATCGACGGCATAGTTTCTTTCAAAAATTTACACTGTGCCGCATTCTAACCAAAGCC** TATCCCCTGACAATGCCGAAATTCAAACGCATTTCTGCCCCCTTTCTCCGACAACGCCG CCCCTCGGAAAACCGCCAGAATTAGCCTGAATTTACATTTATCATTATAATGCCCGTATT TGCCAGCCTGCCGCCGCAATATATGGACACACTGCCAGAATGCCCGATTACCAACACCGC CTCCCTGCTGCCGCACAGCGGGCGTATGGTTCTGATAGACCGCATTACCCGATACGGCGA TGATTTTGTCGAAGCAGGGGCACAGGTAAGCCCCAATCACATCCTTTTACTTGACGACAA **ACTGCCCTACACGGCATTTATCGAACTGATGGCACAGGCTGTCGGCGCGTATGCCGGTAT** CCAAGCCCGAAAAAACGCACGGTCGGTCCGGCTCGGCTTCCTGCTCGGCACGCGCAAACT TGAAATCTTCGCCCAATCCGTCCCAATCGGCACGCATCTGCTGGCAACGGCGCATATGTC TATTCAGGATGCCGGGGGTATGGGCGTGTTTGACTGCGAACTGCGTTGGACAGACGCGCC GAGAACAACGATGACCGAAACTGTCCTGATTACCGGCTCCAACAGGGGCATAGGCAAAGC CGTCGCATTCGGTTTGGCGGAAGACGGCTTTGATATCGCTGTCCACTGCCGCAGTCGCCG CGACGAAGCCGAAGCCGTGGCGGAAGAAATCCGCGCTTTGGGCAGAAATGCGCGCGTGTT GCAGTTTGACGTGTCCGACCGCGAAGCCTGCCGCGAGATTCTGACCGCCGACATCGAAGC AAACGGCGCGTATTACGGCGTGGTGTTGAACGCCGGACTGACGCGCGACAATACCTTCCC CGCGTTTTCAGATGACGATTGGGATGTGGTGCTGCGGACTAATTTGGACGGTTTTTACAA TATGGCATCAGTGTCCGGCCTGACGGGCAACCGCGGGCAGGTCAATTACAGCGCGTCAAA AGCAGGCATTATCGGCGCGAAAAGCCTTGGCGGTCGAACTGGCGAAACGCAAAATCAC CGTCAACTGTGTCGCGCCGGGTCTCATCGATACCGATATTATCGATGAGAACGTACCTGT CGAAGAATCTTAAAGGCTGTCCCCGCAGCGCTTATGGGGCTGCCGGAAGAAGTGGCGCA CGCGGTGCGTTTCCTGATGGATGAAAAAGCGGCGTACATCACGCGCCAGGTGATTGCGGT GAACGGAGGTTTGTGTTGAATACCAGAAGGGTCGCAGTAACAGGCATAGGCGGCATTACC GCCTTCGGCCGGGATTGGCAAAGCATACAGGCAGCATTCAAAGCCGAAAAAAACGCCGTC **AAATATATGGATTGGCACGAACGTTTCCCCGAATTGGAAGCGCAACTGGGTGCGCCGATT** GAAAATTACGCGCCGCGAAACATTGGACGCGCAAGCAGCTCAGAAGTATGGGGCGCGTG TCGTACCTGTGCGTCGATGCGGCGGAGCAGGCGCTGGCGGATGCCGGTTTGCTCGGGGAC GAAAGCATTACCGACGGACGGATGGGCGTTGCCTGCGGCTCTTCCAGCGGCAGCACCAAA GACATCGGCGATGTGGGCGAATTGTTGCTGACCGGCACGTCGCGCAACTTCAGCGCCAAC ACCTATGTGCGTATGATGCCGCACACCACCGCCGAATATCGGCATCTTTTTCGGGCTG TTTTTCCCGTCCGAAGTGTATGTTTTCGACTCGCTTTATGCCGCCAGCCGCCGCAACGGC GAACCGGAAAAAACCCCGCGCCCATACGACGCGAACCGCGACGGGCTGGTCATCGGCGAA GGCGCGGGGATTTTCGTGCTGGAAGAATTGGAACACGCCAAACGGCGCGGTGCGATAATT TACGCCGAACTCGTCGGCTACGGAGCCAACAGCGATGCCTACCATATTTCCACGCCCCGC CCCGACGCGCAAGGCGCAATCCTTGCCTTTCAGACGCCATTGCAACACGCAAACCTTGCA CCCGAAGACATCGGCTGGATTAATCTGCACGGCACCGGGACGCACCACAACGACAATATG GAAAGCCGCGCCGTTGCAGCGGTTTTCGGCAACAATACGCCCTGCACGTCCACCAAGCCG CAAACCGGACACACGCTGGGCGCGGCGGACGCAATCGAAGCCGCGTTCGCGTGGGGCATT GCCGACCGGCAAAGCAATCCCGAAGGAAAACTTCCGCCCCGGCTTTGGGACGGGCAGAAC GACCCAACCTGCCGCCATCAACCTGACCGGCAGCGGCAGCCGCTGGGAAACCGAAAAA CGCATTACCGCCAGCTCGTCGTTTGCCTTCGGAGGAAGCAACTGCGTCTTAATCATCGGA TGAAATAAGTTTGTCAATCCCACCGCTATGCTATACAATACGCGCCTACTCTTGACGGGT CTGTAGCTCAGGGGTTAGAGCAGGGGACTCATAATCCCTTGGTCGTGGGTTCGAACCCCA CCGGACCCACCAATTCCCAAGCCCGGACGTATGTTTGGGCTTTTTTTGCCGCCCTGTGAAA ACGAAGCAAACCACATTCAGGAATGTATTGAAAGTTGCCGTTTCGATAAAGAAGTTATCG TTATCGACGACTACAGCACCGACAATACTGCCGAAATTGCCGAGGGTTTGGGCGCAAAAG TCTTCAGACGGCATTTGAATGGGGATTTCGGAGCGCAAAAAACATTTGCCATCGAACAGG CAGGCGGAGAATGGGTTTTCCTGATTGATGCAGACGACGCTGCACGCCGGAACTATCTG ATGAAATCTCAAAAATTGTCCAAACCGGCGATTATGCCGCCTATTTTGTCGAACGCCGCA ACCTTTCCCCAACCATCCCGCCACACGCGCGCGATGCGTCCCGACAGCGTATGCCGTC TGATGCCGAAAAAAGACAGTTCGGTGCAAGGCAAAGTACACGAAACCGTACAAACCCCCT ACCCCAAACGCCGTCTGAAGCATTTTATGTACCATTACACGTACGACAACTGGGAACAAT ATTTCAACAAGTTCAACAAATATACTTCCATTTCAGCCGAAAAATACCGAGAGCAGGGAA AGCCCGTGCGTTTCGTTAGGGACATTATCCTCCGCCCGATTTGGGGGTTTTTCAAAATTT **ATATCCTGAACAAAGGGTTTCTTGATGGAAAAATGGGTTGGATTATGTCCGTCAACCACA GCTATTACACGATGATTAAATATGTCAAACTATATTATCTGTACAAATCCGGCGGAAAAT** TTTAAATGGAAAAGAATTCAGGATATTAAATATCGTATCGGCCAAGATTTGGGGTGGAG **GCGAACAATATGTCTATGATGTTTCAAAAGCATTGGGGCTTCGGGGCTGCACAATGTTTA**

CCGCCGTCAATAAAAATAATGAATTGATGCACAGGCGATTTTCCGAAGTTTCTTCCGTTT

TCACAACGCGCCTTCACACGCTCAACGGGCTGTTTTCGCTCTACGCACTTACCCGCTTTA TCCGGAAAAACCGCATTTCCCACCTGATGATACACACCGGCAAAATTGCCGCCTTATCCA TACTTTTGAAAAAACTGACCGGGGTGCGCCTGATATTTGTCAAACATAATGTCGTCGCCA ACAAAACCGATTTTTACCACCGCCTGATACAGAAAAACACAGACCGCTTTATTTGCGTTT CCCGTCTGGTTTACGATGTGCAAACCGCCGACAATCCCTTTAAAGAAAAATACCGGATTG TTCATAACGGTATCGATACCGGCCGTTTCCCTCCCTCTCAAGAAAAACCCGACAGCCGTT TTTTTACCGTCGCCTACGCCGGCAGGATCAGTCCAGAAAAAGGATTGGAAAACCTGATTG AAGCCTGTGTGATACTGCATCGGAAATATCCTCAAATCAGGCTCAAATTGGCAGGGGACG GACATCCGGATTATATGTGCCGCCTGAAGCGGGACGTATCTGCTTCAGGAGCAGAACCAT TTGTTTCTTTTGAAGGGTTTACCGAAAAACTTGCTTCGTTTTACCGCCAAAGCGATGTCG TGGTTTTGCCCAGCCTCGTCCCGGAGGCATTCGGTTTGTCATTATGCGAGGCGATGTACT GCCGAACGGCGGTGATTTCCAATACTTTGGGGGCGCAAAAGGAAATTGTCGAACATCATC AATCGGGGATTCTGCTGGACAGGCTGACACCTGAATCTTTGGCGGACGAAATCGAACGCC TCGTCTTGAACCCTGAAACGAAAAACGCACTGGCAACGGCAGCTCATCAATGCGTCGCCG CCCGTTTTACCATCAACCATACCGCCGACAAATTATTGGATGCAATATAAACTGCTTTCA GACGGCATATGCCGTCTGAAAGCCTTTGATGCAACAAACCACTAAATTATATTCGTTCAT TGGAAAGAAACACCCCGAATTCATCCTTCAAAATAAGAAAATCCCCAATATCCCCCGATAT TACGCAGCCTATTGGCAAAGTTTTGCAGCGTCTTCCCCGGCTTGTGCTGCCGCGTCAAGT GCTTTGTTACAATGTATAGTAGACTAACAAAAACCAGTACAGCGTTGCCTCGCCTTAGCT CAAAGAGAACGATTCTCTAAGGTGCTCAAGCACCAAGTGAATCGGTTCCGTACTATCTGT ACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATACTACCTTCACA TTTCTTAATAAATTTTATGAGTAACCATACTTCTTGGTCGTCCAAAATCGGTTTCGTCCT TGCTGCGGCAGGTTCGGCCATCGGTTTGGGCGCGCATTTGGAAATTTCCTTATACGGCAGG CACCAACGGCGGCGCGTGTTTTTCCTGCTGTTTTTGATATTTACTATCTTGGTCGCCCT ACCCGTTCAGCTTGCCGAATTTTATATCGGGCGCACGGGCGGTAAAAATGCCGTCGATTC CTTCAGGGTTCTGCGTCCGGGCACGCAATGGCTTTGGGTCGGGCGTATGGGCGTTGCCGC CTGCTTTATTTTGCTGTCGTTTTACAGCGTGGTCGGCGGATGGGTATTAAATTATGTCGT CCACAGTTTTACGGGGGGGGTTCATACCGGCGGGACTTTGAAGCCTTGTTCGGCGCGAC GATTTCCAATCCGGCAGGTTCGCTGTCCTATCAGGCACTGTTTATGCTGATTACGGTTTG GGTGGTCAAAGGCGGCATTCAGACGGCATTGAAAAGGCAAACCGTTATCTGATGCCGGG GCTGTTTATCCTCTTTATTGCGCTGGCAATCCGTTCGCTGACGCTGCCGGGTGCAATGGA GGGCGTGTCTTTCCTGCTCAAACCGAATTGGTCGTACTTTAAAGCCGATACGATGATTAC GGCTTTAGGCCAGGCGTTTTTTGCCCTGAGCATCGGCGTTTCCGCCATGATTACCTACGC TTCATATTTGGGAAAAGATCAGGATATGTTCCGTTCCGGCCATACGATTATGTGGATGAA CCTCTTGGTTTCGCTGCCTGCCGGCCTGGTGATTTTTCCGGCGGTGTTCGCCTTCGGTTT TGAACCGAGCCAGGGGCCGGGATTGATTTTTATCGTATTGCCCGCAGTGTTTATGAAGAT GCCGTTCGGTACGGTTTTGTTTGCGGTATTTATGCT&CTGGTCGTTTTCGCCACGCTGAC TTCGGCATTTTCGATGTTGGAAACGGTCATTGCCTCAACCATCCGCCAAGACGAGCGCAA ACGCAAAAAACACACTTGGCTTATCGGCACGGCCATTTTCATTATCGGCATCCCGTCCGC GCTGTCTTTCGGCGTATGGGGCGAGTTTAAGGTTTTCGGCAAAACCATTTTTGATTTGTG GGACTATGTTATTTCCGCCGTCATTATGCCGATTGGTGCTTTGAGTGTTTCCATCTTTAC CGCCTGGATTCAGGACAAGCAGTCTGTGTTAAAAGATGCCGGCGCGGGCAGCACCGTACC ACGGGCAGTGCTGCTGTGGCTGAATACCTTGCGCTACCTTGCCCCGATTGCCATTAT TATTGTTTTCATCAATTCTTTGGACATCCTTTAAAAGCCATCCAAACAGCAAAAATGCCG TCTGAAAGCCTTTCAGACGGCATTTTTGCTTCGGGTTCAGCCTATTTCGTTCAAAGTATA GTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAA CCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCA ACGCCGTACTGGTTTTTGTTAATCCACTATAGCCTTGCGCGATGCCGTTCAAGGACAAAC CCATACCCTTTTCGGCAAAACGGATTTCACGGTCGTCAAACGAGACTTTGCCGAAGCCGA CCCGTTTCAGGGCTTCGTCCACGCTGTTTTGAGGAGGCGGCGTTTCCGCATCGGGACGGG CGGCAAAATAATCGGCATACAGTTTCCACAACGCCTGCACTGTCGGATCGAACGCGCCGT CCGTCAGCGCGTGAATATCGCGGCACAGGCTCAACAGTTCCAAAAAATCCGCCGACGGCG AAGTCAGATAACCGTCCCTGTTCAGGCGGCTGATCAGGCTGTCTTCACGGTAAAGGCTGA ACAATTTTTTCCAAACGCGCCACTTCCGCCAAAACCTTGTTGACCAAATCCGCCGCACGC CTGTCGTCCACACCGAACAGACGGAGCTCCGCACCGGAACCCAGTGCGACACCTTTCCAG AAAAACACATTTTCATTGCGTTTTTCATCCCCGTTGCGTTTTTCATCATCGGCGGCAAAA CGCCTGCGCCCGAAATGCCTGCCCATACCGCCTCTAAACCGACACTGCCGCCTTGATATG CGGATGAGGGTCGTAACCTTCCAACTCGAAATCTTCAAACTTGAAGGAAAACAAATCTTT GACTTCAGGATTGATTTTCATCACTGGCAAGGCGCGCGGTTCGCGTTCCAACTGCAATGC GGCCTGCTCGAAATGGTTGCGGTACAAATGCGCGTCGCCAAACGTATGGACAAACTCGCC CGCCTCCAATCCGCACACTTGCGCCATCATCATGGTCAACAATGCGTAGCTGGCAATATT AAACGGCACACCAAGGAAAATATCTGCACTACGCTGGTAAAGCTGGCAGGACAGTTTGCC GTCGGCAACGTAAAACTGAAACAGCGCGTGGCAGGGCGGCAAGGCCATTTCATCGACCAA AGCCGGATTCCACGCCGATACAATCAGGCGCGCGCGAGTCGGGATTCTTCTTGATTTGTTC GTAGCCGTAAACCGGGCCTAAGTCGCCGTTTTCGTCCGCCCACTCGTCCCAAATGGAAAC ATTGTTGTCCTTTAGGTATTTGATATTGGTATCGCCTTTGAGAAACCAAAGCAGCTCGTG GATAATCGAACGCAGATGCAGCTTTTTGGTCGTCAGCAGCGGAAAACCTTTGCCCAAGTC AAAACGCATCTGATAACCGAATACGGAGCGCGTACCCGTACCGGTGCGGTCTGATTTGTC CGTACCGTTGTCGAGGACGTGGCGCATCAAGTCCAAATAGGCTTTCATAGCAGTCTTTCA TCAAATTAAACGGCGCATATTGTAACATTTCCGGATAATGCCCAAAACACGGATACAGGC AGGCAGGATTGTTGGCAATTTCAGTCCTTTTCCACAGTAAAACCCGGTGGGAAAACAAAA TTACCTTGATTGGAATCAAAAAATCTAGTTTAATTACTTAGAATAAAATTTCAATAATAT

CGAAAATATGGAAAAATAATGTCAACAATTTTTGCCAAATCGGGCTTGGCATCAGAAAA AAATAGGTTTATATTCCCACCTACAAATTTGTTTTCCCATTAGTACACTATCAACCAAAA GGAGTATCCGAATGACTGACCTGAACACCCTGTTTGCCAACCTCAAACAACGCAATCCCA ATCAGGAGCCGTTCCATCAGGCGGTTGAAGAAGTCTTCATGAGTCTCGATCCGTTTTTGG CAAAAAATCCGAAATACACCCAGCAAAGCCTGCTGGAACGCATCGTCGAACCCGAACGCG TCGTGATGTTCCGCGTAACCTGGCAGGACGATAAAGGGCAAGTCCAAGTCAACCGGGGCT ACCGCGTGCAAATGAGTTCCGCCATCGGTCCTTACAAAGGCGGCCTGCGCTTCCATCCGA CCGTCGATTTGGGCGTATTGAAATTCCTCGCTTTTGAACAAGTGTTCAAAAACGCCTTGA CCACCCTGCCTA TGGGCGGCGAAAGGCGGTTCCGACTTCGACCCCAAAGGCAAATCCG **ATGCCGAAGTAATGCGCTTCTGCCAAGCCTTTATGACCGAACTCTACCGCCACATCGGCG** TCGGACAATACAAAAAATCCGCAACGAGTTTTCTTCCGTCCTGACCGGCAAAGGTTTGG **AATGGGGCGGCAGCCTCATCCGTCCCGAAGCGACCGGCTACGGCTGCGTCTATTTCGCCC** AAGCGATGCTGCAAACCCGCAACGATAGTTTTGAAGGCAAACGCGTCCTGATTTCCGGCT CCGGCAATGTGGCGCAATACGCCGCCGAAAAAGCCATCCAACTGGGTGCGAAAGTACTGA CCGTTTCCGACTCCAACGGCTTCGTCCTCTTCCCCGACAGCGGTATGACCGAAGCGCAAC TCGCCGCCTTGATCGAATTGAAAGAAGTCCGCCGCGAACGCGTTGCCACCTACGCCAAAG AGCAAGGTCTGCAATACTTTGAAAAACAAAAACCGTGGGGCGTCGCCGCAAATCGCCC TGCCCTGCGCGACCCAGAACGAATTGGACGAAGAGCCGCCAAAACCCTGTTGGCAAACG GCTGCTACGTCGTTGCCGAAGGTGCGAATATGCCGTCGACTTTGGGCGCGGTCGAGCAAT TTATCAAAGCCGGCATCCTCTACGCCCCGGGAAAAGCCTCCAATGCCGGCGGCGTGGCAA CTTCAGGTTTGGAAATGAGCCAAAACGCCATCCGCCTGTCTTGGACTCGTGAAGAAGTCG **ACCAACGCCTGTTCGGCATCATGCAAAGCATCCACGAATCCTGTCTGAAATACGGCAAAG** TCGGCGACACAGTAAACTACGTCAATGGTGCGAACATTGCCGGTTTCGTCAAAGTTGCCG CGAACCGCAAATGCTGTTCAGACGGCATTTCCTTATCCGCCCGTTCAAATCGGGTGAGAC TACCGATACATCTGAATATGCTATGCCGTCTGAACGGCATTCACACCGCCCAATCCTGCA CGCGCTTCAAATCATTTTGCGCCAAAGTATCTGCGTGGCGGTTACGGCTCTGATATTCCC TGTCTTTCAAGATGCTGCTCGCCACATAATTCAAATGTGCCTTTGCCGCCTCCGAAGCCT CGCCCGGCCGGCGGTTTGATATTGCCTCATACAATACACGGTGCTGCGCCATCAGCTTCG GACGCGGATCTTCCTCGATTCAGATAAATAAGGCTGCTGCGCGTCTGCCGGTACAGCA TTTTCAACAAACCGCCCGACAAATGGCTGAACAACAAATTGTGCGCCGCATCGGCAATCG TCTGATGAAAGCTGACATCAGCTTCGCTCTGATGTTCCAAATTGCCGCTTTCGCACGCCT CCTCAAACTTTTCAAGCCAAAACCCAATCCGCTTCAAATCGGCATCCGTGCGGCGTTCTG CCGCCAATGCCGCCATACAGCCCTCGATGTGGCAACTGAAATCAAAAACATCCTGTTCCC **AATTGGAATGCTTGCCCAAAAGCTCCTGCCAACTTTGCAAAAAATCCTGCTGCGGCTTGA** CCGAAACATAATAACCGTCTCCCTGCCTCGCTTCCAAAACCTGACGGGCGACCAAAACAT TCAATGCCGACCTGACCGACGGCGCGAAACGCCGAACTCTTCCGCCAAAACGCGTTCGG GCGGAATCTTGCCCCCTTCCGCGTAAACCCCTTCCGCAATGCGCTCCTCCAATACCGACA ATACCTGATCGCTGATTTTCTGAGGCCTTACCAGTTTCATCACTCCTCCTTTATAAAGAT TCCCTGCAGAACCCTTCCGAAATATAGTGGATTAACAAAAATCAGGACAAGGTGACGAAG CCGCAGACAGTACAAATAGTACAGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAAT CGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTCATCCACTATACAT CAAACATCAAATTGGACTGACCAATCAGGGCGGATTCTAATGACACGCCGTTCCCGCCGT CAACGGCATTTACCTCGCACCGCCCCCGAAACAACAAGAAAAAACTACAACTACAAT TTTTGTTCATGCAAATATTTGTTTTGACAGGATTTAAACAAAAGCTCCGATTCAAATCTG CCGAACCGCCCAAAAATATATTGACCTAAATATTAAAGTTTCGTAAAGTAATGCAACGTT GCTTTAATTGGTTTGACCACTATTGCCGACGATTAGAAAAATATTTTCGGAGATGTTCAA TTATGGAAACTTGGGTTCAAAACTACACGGCAATCGGCGGCAGCCTGTATCTGACTGCCG CCGCCGCACTCTTACCCATCGTCTTTTCTTTGCCGCGCTGACCGTCCTGAAGCTGAAAG GCTATCAGGCGGGCTTTATACGCTGCTGATTGCGCTTGCCGTTGCCGTATTCGGCTTCG GGATGCCGACGGGTATGGCGGTTTCTTCCCTGCCGCCGCAGCCGCATTGACCCAACGCCC CTACGCCACACTGTATTTGACCGCGCATTACAAAATCGGCAAATCCACCCGCATCGGTTT GGACTTTGAAAACGTGTTCAACAAACGCTACCGCCCTATGCCCGACATTCACGTTTACGG CACGCCGCGCAGCCTGACCGCAACCGTCAAACATATAGTGGATTAACAAAAATCAGGACA AGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCA CCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGCCAACGCTGTACTGGTTTTTGTTAAT CCACTATAAAGAAAGAAATGCCGTCTGAAACCTTATCGTTTCAGACGGCCTTGGATTCGG ATTTCAAGTGCAACACTAGTGTATTAGTGGTTGGAACAGATTCAAGAATAAAACACTTGG CGTTTCGTAGCCAAGTGTTTTTCTTGGTCGGTGGTTCAACTCATCTTGAACCCTGCGTAT CTCCCGATCACTGATGTTACGGAAATCGGTTTGTTTGGGGAAGTATTGCCGGATGAGTCC GTTGGTGTTCTCATTCAGCCCTTTCTCCCAAGAATGGTAAGGGCGACAAAAATAAGTCTC CGCTTTCAATGCTTTGGTTATTTTGGTGTGTTGGTAGAACTCTTTGCCGTTATCCATGGT GATGGTGTGCACCCTGTCTTTATGTGCCTTTAATGCCCTAACAGCTGCCCGGGCAGTGTC TTCGGCTTTGAGGCTATCCAATTTGCAGATGATGGTGTAGCGGGTAACGCGTTCGACCAA GGTCAATAATGCGCTTTTCTGTCCTTTGCCGACAATGGTGTCGGCTTCCCAATCGCCGAT ACGGGATTTCTGGTCGACGATAGCGGGTCGGTTTTCTATGCCGACACGGTTGGGTACTTT GCCTCTGGTCCATGTGCTGCCGTAGCGTTTGCGGTAGGGTTTGCTGCATATTCTGAGATG TTGCCACAACGTGCTGCCGTTGCTTTTGTCTTGGCGAAGGTAGCGGTAAATGGTGCTGTG GTGGAGCGTGATCCGGTGGTGTTTGCACAGGTAGGCGCATACTTGTTCGGGACTGAGTTT GCGGCGGATAAGGGTGTCGATGTGCTGAATCAGCTGCGAATCGAGCTTATAGGGTTGTCG CTTACGCTGTTTGATAGTCCGGCTTTTGCCGCTGGGCTTTTTCGGCGCTGTATTGCTGCCC TTGGGTGCGGTGCCGTCTGATTTCGCGGCTGATGGTGCTTTTTGTGGCGGTTCAGCTGTTT ·· GGCGATTTCGGTGACGGTGCAGTGGCGGGACAGGTATTGGATGTGGTATCGTTCGCCTTG GGTCAGTTGCGTGTAGCTCATGGCAATCTTTCTTGCAGGAAAGGCCGTATGCTACCGCAT

ACTGGCCTTTTTCTGTTAGGGAAAGTTGCACTTCAAATGCGAATCCGCCGGCATTTTATT GCCCGACCGGTTATTTGTCGGTTTGGGTATCCCGTTTCAATCCGCCGCCGAGTGCCTTGT ACAAATCGGCAAGGTTTTCGGCGCGGGTCAGTTGTGCCGACAAAGCCGCACCCTCCGCCG CATAGCTGCTGCGTTCCGCATCGAGCAAGTCGAGCGCGCGGATACGCCGTGCTTGTAAC AGGCTTTATCCAGCTGCTCGCGCGCCCAATGCGTTTGCCACGTCTTGAAATGCGGATT GGACGGCGGATTCATAGGCAACGATTTGTACCTGTTGGCGCAGCTTGGCTACATCAAGGT TCGCCTTGTTCGTACCCCAGGTAAAAATCGGCAGGGTAATAGACGGCGCGAACGACCAAA CGCCCGTGCCGCTTTTGAACAACCCACCCAATTCGGCAGAACCCGTACCGACGGTTCCGG TCAGGCGGATGGATGGGAAAAAGGCGGCGCGCGCGCACCGATATTGGCGTTTGCCTGTT TGAGCGCGTGTTCGGCAGCACGGATATCGGGACGGTCGAGCAATACTTCGGAACTCAAAC CGGGTATCGGTTGGTTAATCAAGGTTGCCAAGGCATTGCGCGCCTGTTCGCGGCTGCGCG CGGCATGGGCATAATCGGCTTTGGCAGATTCGATCAGGGCTTCCTGCTGACGTAGGGCGA CGGCGGAAATCACGCCTGCCTTGTAACGTAATTCGGACAGCTTGTAGGTTTCCTCGCGCG CTTTGGCAACGGTGGCAATCAGGCTCAAATGTGCCGCATCGCGGTTGGCGGTGCTGGCGA AATAGCCTTGCAGTGCCGCCTCGCTGCTGCTGCGTACACGCCCGAACAGATCGAGTTCGT AAGATGCCGCACCCAGTCCGACTTTGTAGCTGCTTACATTGCCGCCGCTCAAGCTGC CTTGGCGCGAGTCGTTCGCATTGGCGGCAAGCGTGGGCAGGAGGTTGTTGCGCTCAATCA TGTATTGTTTGCGGTAGATTTCGCTGTTCAATACGGCGGTACGCAAACTGGTATTGCGCT CGAGTGCGATGTCGATCAGCTTTTGCAGGCGCGGGTCGGCAAAATAGTCATGCCAACCTA AATCGACGGCGCGGATGCCGCTGTCGGCGGTATCGTTTTTGAACGTTTCGGCAACTTCGA CTTTGGGCTGCTCGTATTGGGGAATCATGGTGCAGGCAGACAATGCAAAGGCTGCTGCAA CAGAAGTCAAGGTGGTTTTCAATGTAGTATCCATAAAAAAGTCCTGATGCCGTCTGAAAA CCCGTGGGCGTTCAGACGGCATGGTTGCTTAATGTTGGCTGTCGTCCGAACCGGTGATGC CCGCTTCGGCGGCGTGTTTTACTGCCATTTCGTGTTCGTGCGCGGTTTCTTTGAAGAATT TGCGCACCACCACATAGAAAAGCGGAACAAGGAACACGGACAAGAGCGTGCCGATGAGCA GCAGGCGGGCGGCTTCCAAAGCGGCTTCAACCGCGCTTTTCCCTTGCGCTTGAAGGTCTT TGGCAAATTCGATAATCAAAATCGCATTTTTCGCACTCAAACCCATCACGGTAACGAAAC CGACTTGAAAGTAGATGTCGTTGGCGAACGAGGGAACGCTGCCCAACAGTCCTTCAAACA GGTTGCGCCCGGTTACGCCCGCACCGCACCGATCAAACCCAACGGAATCACAAGGATGA CCGCCAGCGGAATCGACCAGCTTTCATAAAGCGCGGCAAGTACCAAAAATACGGCTGCAA CCGCCAAACCGTACAAAATCAGGGTTTGCGAGCCGCCTTTTGCCTCTTCGCGCGACTGTC CGCCCCACTCCAGGCTGTAACCGCCGCCCAATTCGTCAACCATTTTTTGAACCGCCGCCA TAGCCTGCCCGGTGGAAACGCCGGTTGCAGGCGAAGCGGACAGCTTCATCGAAGGATAAC CGTTGAAGCGTACGCTCTGTTCCGTACCGTTTTCCCAAGAAACAGTAGCAATGGTGGAAA GCGGTACGGCGACGCCGGATTTGTTCGGCACGGTCAGGTTCAAAATATCGGCAGGCTGCA TACGGGCATCCTCGTCGGCCTGCACCATCACGCGTTGCAGACGGCCTTGGTTCGGGAAGT CGCTGACATAAGACGAACTCAGCGCGCTTGCCAATGCGGTGCGGATGTCGGCAAACGAAA TGCCTTGCGCCGCCGCCGCGCACGGTTGATGTCGATTTTCAACTGCGGCGAGTCTTCCA AACCGCCAGCACGGACGGTGCTGGGGTCAAACAAACCGCTGGCACGCATTTTCTGAATCA ACTCGTTGCGCTTCGCCAGCAATGCGGTATGGCCGGTATTGTTGCGGTCTTGCAGGTTGA TGCTCAGACCCGAACCGTTGCCCAACTCCAGAATCGGAGGCGGGACGACGGCGATGCCAA AACCGTCTTTAAGCGTCCCCATCATCATACCCGTCAGCTTGCCGGCAATCGCAACGGCAT CGCTGCCGGGCGCGCTACGCTCCTTCCAATCTTTCAATATGGCAAAACCCATCGCCATAT TCTGACCGCTGCCCGAAAAGCTGAAGCCGGAAACGGTAATGATGTTTTCTATTTCAGGAA TGCTTTTCGCCAGTTGGGTAACTTGCGCCAAAGTCGCATTGGTGCGCTCTTGGGTCGCTC TCGGCAGGCGCATAAACAGGAACACGCCCACAACCGCCAAGCCGATATAGACAACCATCA TGCGGAAAGTCTTACGCAGCACTTTGGCAACCCGGCCTTCGTAACCGTGCGTCCAACTGT TGAATTTCTTGTTAAACCAGCCGAAGAAACCTTTTTTCTCTTCGTGATGCCCTTTCGGGA ATGCGATTGATGACGCCATCGTCAGGGCAAACTGTTTGTAAATATTGCCCGTCGCCCCGC TGAACATCGCCAACGGTACGAACACGGAAATCAGAACGGCGGTAATACCGATGACCGCGC CCGAAATCTGACCCATCGCTTTTTTGGTCGCTTCTTTGGGCGGCAAGCCTTCACCCGCCA TAATGCGCTCGACGTTTTCAACCACCACAATCGCGTCATCGACCACGATGCCGATGACCA AAACCATCGCAAACATGGTCAGTACGTTAATCGACATGCCCATATAAGAGATGAAGGCGA AACCGCCCAACAGCGAAATCGGTACGACGATGGTCGGAATCAGCGTATAACGGATGTTTT GCAGGAAGAGATACATTACGACAAACACCAGCACCATCGCTTCGATTAAAGTGTGAATCA CTTTTCAATCGAAATTTCGACGAATTTGGAAGTATCGTAAGGGGTTTTCCAGCTCATAC CCTGAGGAAAGTATTTTTCCAACGTCGCCATGCGTTCTTTAACCGCCTTTGCCGTCGCCA TCGCATTGCCGCTGTTGGACAGCATCACCGCCATACCGGTGGTATTTACACCGTTCAGAC GGGTTGAGGAAGAATAGTCTTCCATACCCAGTCCGACCCTTGCCACATCCTTCAGGTAAA CATTAGAACCGTCGGTATTGGCGCGGAGGATGACGTTGCCGAATTCTTCTGCCGTACCCA ACTGCCCTTGCGCCGTTACGGTAGCCGTAACCGTCTGTCCGCGAACGGCGGAAGCGAAC CGATAGAACCCGCTGAAATCTGGACGTTCTGGGCGGACAGCGCGCTGCCAACATCGGCAA ACGACAAATTGTAGTTTTGCAGTTTCTTAGGATCAACCCAAATCCGCATCGCGCGTTGCG CGCCGAACAGGCGTACCTGCCCCACGCCTTCGATACGCTGCAACTCGGGAACGATATTAC GCTGCGCGTAGTCGTTCATCTCTTCGGTTGACTGCACATCCGACGAAAGCATCACAATCA TCAGGAAATTGGAACGCGCCTTGGATACGGTTACGCCGTATTGCTGGACAGTTGCCGGCA GCGTGCTCAATACTTCGGAAAGCTTGTTCTGCACTTCCACCTGCGCCAGATTCTCGTCGG TATCGGGCGTAAAGGTCAGGCTCACGCTGCCGCTGCCGCTCGAATCGGCGGAAGTGGACA

TATAATCCAAACCTTCCACGCCGTTCATATTCCGCTCGATCACGGAAAGCACGCTGTCTT CCATTACCTGCGCGGACGCGCCCGGATAAGTGGCCCTCAGGGTGATGGTCGGGGCGGCGA CGGACGGATATTGCGAAACCGGCAGGCTTTTGATGCCGAAAATACCCGCCGCAATAATGA AAATCGAAATAACCCACGCAAAAATGGGGCGGTCGATAAAAAATTTAGCCATCGATGCCT TCCTTATTTCGCTTCAGAAGCAGGTTTGGCTTCAGATGCCGTCTGAACGCCGGATTGAGG CGCGGCGGCTTGGTTTTCAGACGACGCCCATTCTTTGGGCGTTACCTTTTTCGCACCCGT TATACCGGCGATACTGATGCCTTCCACAACCACCTTGTCCCCGTCCTTCAGACCCGACGT AACAATCCAATTCGTACCCTGCTGTTGCGCAACCGTTACCTCGCGGGGTTCCATACCGCC TTGGGCATTCACAATCATCACGGTATCTTTCGCACCGCGCGTTACCGCCTGCTGCGGCAC **AACAAATGCGTTATCCACCGCCACTTGGTCCATCAGCACGCGCACATACAGACCGGGCAT** CAAGATATTCTGATCGTTCGGTACGGCGCGCGCGCGGGTAATCTGACCGGTCGATTCGTT GACGGCCGGATCGGCAAACAGCAGGCGGCCTTTTTCAGGGTAAACTGTGCCGTCGAAA TTTGATGCCGACCGCAATCACACCATCCGCCGCCAGCAGTTTGCCTTCGGCTATCTGACG GCGGATGGTCGCCAGTACGGTCGCATCGCCAGCGTTCAGCAACGTACCTTCGGAAACTTT GGACTGACCGATAAAGCCGGAAATCGGCGCGGTAATGCGCGAACGGTTCAGGCTGATGCC TACCGCAGCATCGTATTCCTGCCGGCTGACGGCTTCGGCGGCAACCAAAGGCTTGTATCG GCTTTCCAGACCTGCTTCATAAGTGGAACTGTCGATCTGATACAGCGGCTGTCCGGCACG GACATAACTGCCTTCTTGGAACAGGCGTTTTTGGATGATGCCGCCGACTTGGGCGCGGAC ATCGGCGGTACGCAGCGATTCCAAACGCCCCGGCAACTCGACGGTCAATGCGACGGTTTG CGGATGGACGGTTACGACACCGACGACGGCGCGCAGGGGCTTCCCGACCAGCAGGCTGCCC GCCCTGCGCCGCGTCTCCGCCTTTACCGCAAGACGACAGTACCAATGCAACGGCGGCAGC GGTTTGATGTAAAGGGTTTTGCCAATCAACAGGCATTCTTATAGTGGATTAACAAAAACC AGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCA AGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTCGCCGCCTTGTCCTGATTTTTG TTAATCCACTATATTTCAGGATATAAAAACCGCCTGCTTCGCCAACCCGATGTTCAAACG GGTTGCGAAGCAGGTTTCATGGGTTTTCAAAGTTGAGATGTAGTCTCAATTTCATGGGTT TCATTATACATACACGATTGCATGGTTACAAAGTCTTTTTTATAATCCGCCCTCATCAAA CCGACCCGAAACGAAACCGCCATTATGAGAAAAACCAAAACCGAAGCCTTAAAAAACCAAA GAACACCTGATGCTTGCCGCCTTGGAAACCTTTTACCGCAAAGGGATTGCGCGCACCTCG AATAAGGAAGACTTGTTCGACGCGCTGTTCCAACGTATCTGCGACGACATCGAAAACTGC ATCGCGCAAGATGCCGAAGATGCCGAAGGAGGGTCTTGGGCGGTATTCCGCCACACGCTG CTGCACTTTTTCGAGCGGCTGCAAAGCAACGACATCTACTACAAATTCCACAACATCCTG TTTTTAAAATGCGAACACGGAGCAAAACGCCGCCGTTATCGCCATTGCCCGCAAGCAT CAGGCAATCTGGCGCGAGAAAATTACCGCCGTTTTGACCGAAGCGGTGGAAAATCAGGAT TTGGCTGACGATTTGGACAAGGAAACGGCAGTTATCTTCATCAAATCAACCTTGGACGGG CTGATTTGGCGGTGGTTCTCTTCCTGCGAACGTTTCGATTTGGGCAAAACCGCCCCGCGC ATCATCGGGATAATGATGGACAACTTGGAAAACCATCCCGACCTGCGCCGGAAATAATCA AGCCTTGGTAGCAATGCCGTCTGAAACGAACAAACCCTTTCAGACGGCATCAAAATGACA CAAAGCCTTCTTCTAAAAATACATATTGAGACCTTTGCAATAACATAGGTTACTAAAATT TTATGCTCAATCTTATTTTCAAAATGCAAAACTTTTCTGATTTTTCCTACTTTTTGCTCA ATATTAGGAAGGTTTTAGGCAATTGAAAATTTTTTGGCGCATTTTTATGCGTCAAATTTC GTTAACAGACTATTTTTGCAAAGGTCTCATATTCACTAAATTGCATTTTTAATTTCTTCT ATCATTGCATGGACATTCTCTTGGTCAAAATGTCCGTTTTCTTCTGAATAAACTTCTAAC AAATAATGTTCAATGAACGTTTTATCTGTCGTCAGCGATACATCTCTGGCAATGTCTTCA TACGACTCAAAATCATCTTCATGCCAGGGATTATATTTGTCCATATTTTTTTGAATTTCA GTAAACTGCATTTTTCTCCAGCATTTTTGCAAATAAAAACTGAAAATCCCGCCATTTCCG CGAAAACGGGAAACCGTTTTTTGAGTTCCAGTCATTCCTGATAAGGCTTTAACGTCAAGT TTTCGGATTACCGCCTTTATGAGAATAACGATGTGGGCATTTTCTGTTTTAATCTATTGC **GGTTATATACATATGCGATTATTTTAGTTTGCTTACAAAACACTTCATGTTACATTCAAA AATTTAATGCACTCAATATATTTTTTTAAGGAGAAGCAGATGAGTCAAACCGATACGCAA** CGGGACGGACGATTTTTACGCACAGTCGAATGGCTGGGCAATATGTTGCCGCATCCGGTT ACGCTTTTTATTATTTCATTGTGTTATTGCTGATTGCCTCTGCCGTCGGTGCGTATTTC GGACTATCCGTCCCCGATCCGCGCCCTGTTGGTGCGAAAGGACGTGCCGATGACGGTTTG **ATTTACATTGTCAGCCTGCTCAATGCCGACGGTTTTATCAAAATCCTGACGCATACCGTT** AAAAATTTCACCGGTTTCGCGCCGTTGGGAACGGTGTTGGTTTCTTTATTGGGCGTGGGG ATTGCGGAAAAATCGGGCTTGATTTCCGCATTAATGCGCTTATTGCTCACAAAATCGCCA CGCAAACTCACTACTTTATGGTTGTTTTTACAGGGATTTTATCTAATACCGCTTCTGAA TTGGGCTATGTCGTCCTAATCCCTTTGTCCGCCATCATCTTTCATTCCCTCGGCCGCCAT CCGCTTGCCGGTCTGGCTGCGGCTTTCGCCGGCGTTTCGGCCAATCTG TTCTTAGGCACAATCGATCCGCTCTTGGCAGGCATCACCCAACAGGCGGCGCAAATCATC CATCCCGACTACGTCGTAGGCCCTGAAGCCAACTGGTTTTTTATGGTAGCCAGTACGTTT GTGATTGCTTTGATTGGTTATTTTGTTACTGAAAAAATCGTCGAACCGCAATTGGGCCCT TATCAATCAGATTTGTCACAAGAAGAAAAAGACATTCGGCATTCCAATGAAATCACGCCT GCTTGGAGCATCGTCCCTGCCGACGGTATTTTGCGTCATCCTGAAACAGGATTGGTTTCC ATTGTTTATGGCCGGGTAACCCGAAGTTTGCGCGGCGAACAGGAAGTCGTTAATGCGATG -GCCGAATCGATGAGTACTCTGGGGGTTTATTTGGTCATCATCTTTTTTGCCGCACAGTTT GTCGCATTTTTTAATTGGACGAATATTGGGCAATATATTGCCGTTAAAGGGGCGACGTTC

TTAAAAGAAGTCGGCTTGGGCGGCAGCGTGTTGTTTATCGGGTTTTATTTTAATTTGTGCT TTTATCAATCTGATGATAGGCTCCGCCTCCGCGCAATGGGCCGGTAACTGCGCCGATTTTC GTCCCTATGCTGATGTTGGCCGGCTACGCGCCCGAAGTCATTCAAGCCGCTTACCGCATC GGTGATTCCGTTACCAATATTATTACGCCGATGATGAGTTATTTCGGGCTGATTATGGCG ACGGTGATCAAATACAAAAAGATGCGGGCGTGGGTACGCTGATTTCTATGATGTTGCCG TATTCCGCTTTCTTCATTGCGTGGATTGCCTTATTCTGCATTTGGGTATTTGTTTTG GGCCTGCCCGTCGGTCCCGGCGCCCCACATTCTATCCCGCACCTTAAACACGATAAACA AAATGCCGTCTGAAATGCTTAAACGCTTTCAGACGGCATTTGCCTTTCTATCCCGTCAGG GGTTTTCAAACAGGGGCTGTTCGAGCGGGTTTTGGCTTGCCGTTGCCGAACACGAGGGCGA CTTCGGTATAGTCTTTCTGCCCTTTGCTGACTTTGCTGCCGTGGTAGGCGGTTTGGGCTT TTTTCAGGGCGGCTTCCCAATCTTGTTTTTGGGCAAACGCTTCGGCGGTGGCAAGCGAGG ACAATAGCTGCAATGCCCTGTCTTGCGCGATTTCCGCCAATATTTCGGTTTCTCCGGATT GGACGATAAAGGTTTGCCGCATTTCGGCTTCAGACGGCATAACGGCGCAAAATATCAGGT GTTCCAGCAGAAAAGCGATACGTTGCGGCGCGTTGGGTTTGCCGTAGGCGTAAAACACTT GTCCGCAGCGGTACAGATTGCCCAAGCTGCCTTTCAGGATTTGCCCGTCCGACGGTATGG CAGTTTGGAAGTCCTGCCGAAAGTCTGCCCAACTCTCCCGACGGCAGGAGGCTTTCCG CCCCGATGCGGGCGGCGGTTTGGGCAAAATCCCGTCCTTCGCACCGTGCTTCGATGTAGA TTTCGGCGATTTGATCGGCGTGTTGCGGCTCGAAGGGTTCGGCAGGCTCCCAGGCTTCGC CGATATGGGGTTCGCTCCACGCAAGCTGCTGCTGAAGCCATACTTTGACAGGGTTGCGCC AGAAACGGATAAATTCGTCCTGTCCGATTTCGGCAACAGGTTCGGCGTTTTCTACGGGTT GATCGAAAAAGGGTTGCGGCGGTTCGGGCGTTTGTCCGAGCGCGGCGGCGTAGTCGGTAC GCGTGCCGAATATGCCGTCTGAACGTCCGCCTTCTTGAAAATATCGGCGCGAGAAGGCTT GCAGCGGATGCTGTTCTATCAGGTTTTGTGCAAGTTGGCGGCTACCGATGCCCGCCATAG CGGCAACGGTATCGATGAGTTCGCCCAACAGGGAAGACGGGGGCAAGCTCTTCGTCTTTGC GGATGTCGCGCCCGATGTAGGACAGGTAGAGGATTTCACGCGCGCTGATGAGGGCTTCGA GGAACAGGTAGCGGTCGTCATCGCGGGGGGGGGGGGGTCTCCTTTGGCGGGATGTTTGGCAA TCAGGTCGAATACGGCGGCTTTGGTATTACGGGGAAAATCTCCGTCGTTCAAACCCAACA GGCAGATGACTTTGAACGGCAGGCTCCGCATCGGCACCATACTGCAAAAGGTGATGCCGC CGCGTAAAAAGCCTGCCTCGCTTTCGCTGTCGAGAAAGCGTCGGATATGGCGGATGACGG TGTGCGGCGGCAACTGTCCGGAAAATTGCGCCAATTCGGTTTCCGCCTGCCATTTGACCC ATTCGTTTTCAAGGTTTTGGACTGACTTTTGGTCATCGGCTTCAGCTTGGAACAATGTTT CAAGCAAATCCCGGCAACGCGCCACCCATTCGCCGACCGTTGCGGGCTGCCGCCATATCC GTACAATATCCGTCAGGGTTTCGAGGAAGGCGGCAAAACGTCCGAACATGGCGGTTTGAT TCACGTCGGCATACCACGCGCTGACATCCTGCCACATCGGATTGCCGCCTTTGGGCAGCA TCCAGCCCAATATCATGCGTTCTACCGCCTGCTTCCAGGTGAACAGCTGATCCGTGCCGC CGCGCATTTCTCCGTCCAAACCCCAGTGGACGTTCAAATCGGCAACCATGTCGTGCAAAA GCGGTAAATCGTCCTCAGTCAGTCCGAAACGGCGCAACACGGGCGCGGTTTCTAAAAGCA CAAGCACTTTATCGACTTCAAATCGGCTTTCCAACAAGTCGAACAGGCATGACAAAGCAT GAAACAGCGGTTGGCGGCGGCTGATTTTCACGTCTGACACGGAATACGGCAATGCCTGCG CACCGGGCTGCGCCTGTCCGAACACGGCTTCGATAAAAGGCGTATAGGATTCGATATTCG GGGTTAATACGGCGATATCGTGCGGCTGCCAATCGGGATGTTCATGCAGAATTTTCAACA GCTTGTCTTTGAGTATCTGCAATTCGCGCAAAGGGCTGTGTGCGGAGACGATGCGTATCG AGCCGTCGCCCGTGTTGACGCTTCCCGCCATTTCAGACGGCATTTTCAGGTTTTGAATAT CGGTTTGCAGGGCGTGTAAAAGCGTATCGCGCCCGCCTTCCTCAAATACCGGCGTTTCGC CTTCTATTTCCATTTCGTTCAAAAAGTCGAAAAAGTCCCGCCCCTGCTTGCCCAATGAGG CGAGCAGCGGATGCCCTGCCTGAGTTAAATCGGGATCGCCGCCACCTTTGAGGATTTGCG CCGCTTCGATGACGTTGCCCCAGTACATCCCGCTCGGATTGAGTGCGAACACGAACACGT CGCAATGTTCGGACAGCTTGTGCAAAAGTTGCAAATACATCGGCGCCCATCGTGGAAATGC CGAACACGAAATAACGCTCGGGCAGCTTATCACTGCTCAAAGATTCCAACAGCTTTTCCC ACAACGCGACACGGTGCGGCGCGCTCTGCCTGCCGTCGTCGAGGTAACGCCACAGTTTGG ACTGCCAGATTTCGTCGTCGCCCAAACCGAGCCGCCTGCCCTGCTGCCAAGCGTCTATCC ACTGAGGACGGTACACGAGGTATTGGTCGAATATGTCCGCAAGCTGTCCCGCAAGCTGGT AATCTGCCGATTCGCCGCTGCCCAGATAGTCTTGCAGCACATTCCTCACATCTTCAAATT CTGCCGTATTCCGAAATGCCTCGCTGCGGAACAAATCCAGCAGCCGCCAGCGCATGACTT CGGGCGCAAACGGGCTGAGTTCCGGAATACCGGGAATCAGTTTTTTCATCAGCTTCCACG TCAGGCCGGCGGCAGGCTGAACGACAAATTCGCCGCCACGCCCAAATCGCGGGCGAGGC AGGTATTGAGGTAGCGGCGCATCCCCTGACTCTGCACAATAATCTGTTCGGGCTGTAAAG CCGATTTCAGCGGTTTGACTTTTTGAATGCGGGCAAACAATGCCGCCAGCGTTTCAAGAC GGTTGGATTGATACAGATAAAACATGATTTCAAACAGAAGCTGTGGTCAAGTATTCGGGA TTATATAGCCTTTCCCCCGTCCGCCTTCAAACAAAATGCCGTCTGAACCTTTCAGACGGC ATTTGGTCATTTAAACCATCTCCTCAAAACAGGAATCCGCGACAACAGCAGCGTATCCAA CAGCCAAATCACGGCAATGGCAAGCAGTGAGGTCGGGAAGAGCAGTGCGATTGCCAATAG CGGCAATGCCATCATCCACCAAACCGGCAGCTTGACTTTCTGCGCCGGCGGAACGATGCC CACCGCTCCGGTCGGACGCGTTTCCACCACATCACGCAGCCGCTGATACCGATAAAAAT GACGGCAAGGCAGAACAAGACGTTCGCCAACACGCTCCACCAGCCCAGAGTCCCCATATG CAGCGCAATGCTTGCCGCCATAAATTTGCCGAACGGGTTGTAATCGTCAAAACGGATGTC GGCAAGGATTTTGCCGCTGTACTGGTCGATATGTACCGTGCGGTCGGCAAACGGGCTGAT CATGTCGTAACTCATAGAATCCTGCGACAAAGTCCATACGCCGTCCTCGCCTTTGGGCAA ATTCAACTGATAACGCCCTTTGAAACCGATTTCCCGCGCAAAGCGGTCGACGGTTTCCAA TGTCATCGGCTCGTCAGGGTTAATGCCGTCTTTGCCCACAGTCGTCCCTGAAACAGGCAT - AGGCGTAAGCTCCAAAACCCACGGCACTTCCTTAACCTTGCCGTCATTCAATACCTCGCC GTGGGTCGGCACGACTGAAACGGGGTTCGGTTCGACACCCCATTTACCGGCAGGGAACTG

ACTCCAAGCCTGTACGAACTTGCCGCCCCAAATACCCGCCCAAGCAATACCCGACAGGCA AGAACGCGCCCTGCCTTTTGACGGCAGCAGCATCGCCTTGATGCCGCGCCGTTTCACCCA CCAAAGGT ACAAGCCGCTGACAACCATAATAATGGTCAGTGAAGCTGCCGTTTCCAAAAG ACCCTGATTGCGCGGCATGGTACTGACCACTTTTGCCGTATAAGGATCGACCGCGACCAT CGTTGCTTTGCCCTCATTGTTGACACGGAACACGGCAACCATATCATCGGCACGCGGCGC AATATACTGAACGACGACGAAGTTTCCGGATTAACGGCACTGCGTGCCGCTTCCGCCTG AACAGACA GAGGTTGTACCGTTGCCTGCGGCACAACATGAATCCGCTCGCCCTCCTTACC GGTAATATTGGCAAACAGCAGCATACCCAAACCCGTAACGGCAAGCAGGGTAAGAAAAGG CATAACCAGCAGACCGGCATAAAAATGCCACCGCCAAACGGTCAGATAACGCCGGTTGCT CTGATTGTCGGCTTCAGTTTTGATTTGTGTATCCATTAATCGTCCTTTTGAAAATAGGGC TATCGTGATGATGCGCGATTATAAACAATAAAGACTAATTCTTTATGACTAAAGTCAAAA TTCATTACAACAAATAGGCAGTCTGCGTTTAAAACCGGATGCCCGTTAAAACAAAAAATC CAGATTCAATACTGAATCTGGATTTTCATAACCGATAATATCGGAAACTCAGTCAAGTTA GAATTTGCCGCCTGACTGGTTGACCATATAGTCAACCGCAGCTTTAACCTCATCATCGCT CAAATCGCCGCGACCGCCTTTTGCGGGCATCGTATTGAAACCTTCGATCGCGTGTTTGTG CAACGTGTCCTTGCCTTTTTTGATGCGGTCGGCCCAATCGGCTTTGATGCCTACATGGGG AATACCCGGAATCGCATTGCCATGGCAGGCGGCACAAACGGTTTCATAAACCTATTTGCC GTCCGCTTTGGCAGCAGGTGCAGCTTTTTCCTCGGCTTTAGGTTCTGCTGCGGCAGGTTT GGCTTCGGACACGGCTTGTGCTGCTTCTGCAGGAGCAGAGGCTGCGGGTTCTGCCGCCGG TGCGGGAGTCGGTGCAGGCTCGGCTTTTTTCACCGGAGCTTTACCGTCTTTATCGGAAAG ACCCCATACATAAGCAGTCATAATATGCAGTTTGTCTTTATCCAAGAAATGTCCCCAAGC GGGCATTTGGCTGCTGCGACCGTTGGTAATGGTTTCGATAATGGATTTTTGCGTACCGCC CCACAACCACACGTCATCAGTCAGGTTCGGACCCAAACCTTGGATACCTTGTCCCTTATC ACGTTCCTCATCATACTGACCTTCGGGTTTTGAAAGGGACATCACATAATGGGCAACGTC TTCGATGGTCTCGTGGATTTTATCGGGATCACCGCCCCACAACCAATCGCTATCGGTCAG **ATTCGGAAAACCTTTAGAGCCTTTAGCATCAGAGCCGTGGCACTGGATACAATAAGTGTT AAACAGGTTTTGGGCGATTTGCTTGGCTTGAGGGTCTTTTGCCACTTTTTCAATCGGCAT** ATCCGCAAACTTGGCATACAGTTTGCCGTATTGCTCATCGGCTTTTTTTGACCTCTTTTTC **ATATTGGTTATGGCTGGTCCATTTCAGCAGACCTTTGTAGTCGCCGACACCCGGATACAT AACCAAATAACCGATACCGAACAGCCACGTCAAAACACACAGCCAAAACCACCAGCGGGG** CAGCGGATTGTCGTATTCGGCAATGCCGTCCCACTCATGACCCGTAGTTTGTACTTCTTC GCCCTTCTTCGGACGTTTGACAACATTTTGAGACAGCAGCCCAAGCCAAAGCGATAAA GCTCAGTAAGACAATAACTGCAATATATATATTCCAGAAATTACTGGTAAATTGGGATGT TGTGTTCATTGTTTTGCTCCGTTATCACAATATTAACGGTTTTCGCTTTTCTTATCTTGC GCATCTTGGTTTTCATCAAAAATGCTGTTTTGCGGCATTATCGTAGTTTTTCTTATTCCGC CTGTTGAAGACGATATAGAGTACCAACAGGAAACAGATAAAGATCCATACCGTGAAGAGA GCACGAATACCGTTAATATCCATGATGTTACCTTACGTTTTTCAAAGCCAGACCCAATCC CGCAATTTCCTCATCACTGTAAGGAGTACCTACTTTACGCAAAGCCTTCATGTTGGCAAC GGTTGCATCGACATCGACTTTATTGCGTGCAAGCCACGGGAATGCCGGCATATTGGACTC AGGCACGACATCACGGGGATTCAGCAGGTGGATACGGTGCCATTCGTCGGAATAGCGACC GCCCACACGTGCCAAATCAGGACCGGTACGTTTGGAACCCCATTGGAACGGATGGTCGTA AACCGACTCTCCGGCAACAGAGTAATGACCGTAACGCTCGGTTTCCGCACGGAACGGACG AATCATTTGCGAGTGGCAGTTGTAACAGCCCTCACGGATGTAAATATCGCGTCCGGCAAC CTGCAGGGCATTGTAAGGCTTCACGCCCGGCGCGCGCTGTGTTGCCGCCTTGGTAAAGGC CAAGGGCACAACTTCAATCAACAGACCGACACTGACTACAAGCAGCGTGAACACAATCAG GTATTTTAGTGGTGCTGTTTTGGGAAACCGCAGGGATTTCGGCATCGACTGCTTTACCA CCGATGGCTGTGCGGTACACGTTGTACGCCATAATGCACATACCACTCAGATACAATAAA CCACCTGCAAAACGGATCACGTAGTAAGGCATGGTGCGTTTTTACGGATTCGACAAACGAG TAGGTCAGCGTACCGTCATCGTTCAAAGAACTCCACATCAAACCCTGCATCACACCGGCA ATCCACATGGCAGCGATATACAGAACCACGCCGATGGTCGCAATCCAAAAATGTGCTTCT ACCAGCTTGGTGCTGCATCTGTTCTTTGCCGAACAGACGGGGAATCATGTAATAGACG GAACCGATGGTTACAAAGCCTACCCAGCCCAACGCACCGCATGAACGTGCGCGACGGTC CAGTCCGTATAGTGGCTCAATGCATTGACCGTTTTAATCGACATCATCGGGCCTTCAAAG GTAGACATACCGTAGAAGGACAAGGATACAATCAGGAATTTAAGAATCGGGTCTGTACGC **AGTTTGTCCCACGCGCCGGACAAGGTCATGATGCCGTTAATCATACCGCCCCAAGAGGGT** GCGAACAGAATCAAAGACAGAACCATACCCAAAGATTGCGTCCAGTCAGGCAGCGCAGTG TAGTGAAGATGGTGCGGACCCGCCCACATATAGGTAAAAATCAACGCCCAGAAGTGAACG ACGGACAGGCGGTAGGAGTAAACGGGGCGGCTGCTTGTTTGGGTACGAAATAGTACATC ATACCCAAGAAGCCGGCAGTCAGGAAGAAGCCCACGGCATTATGCCCGTACCACCATTGA CTGATATTGTTGACGATGTGTAAAAGTGCGACCGCCAAAATAAAGCCGCCGTAGAACCAG TTGGCAACGTAAATATGTTTAATCTTACGTTTGGCAATCGTACCGAAGAATACGATGGCG TAAGCCACCCAAACCAAAGTAATCAGAATATCGATCGGCCATTCCAGTTCGGCATATTCC TTACCTTGGGTCCAACCCATAGGGAAGCTGACGACGGCGGCAACGATTACCGCCTGCCAG CCCCAAAAGGTAAATGCCGGCAGCCAACCGCCGAAAAGACGGGTATTACAAGTACGTTGG ACAACGTAGTATGATGTGCCGATCAGGCCGCAACCGCCAAATGCGAAAATAACCGCATTG GTGTGCAGCGGACGCAGGCGGCCGAAGTGGAACCAAGGTCCGATATTAGACAAGTCGAGG ...GCAGGAGCAAAAAGCTGGGCGGCGACGATAACGCCGACCAACATACCCACAATCCCCCAA ACTACAGTCATGATGGCGAACTGGCGCACCACTTTGTAGTTGTAAGTTTGTGTGTCCATG

AGAGTCTCCATGAATTTATGGGAATAAAGATTTTTATCCTGCCGCTTCCGCAGCCTGTTT AAGGTGCAATCCGGGCAAGCGTAATTTTTTCTAAATTTAACATATCTGCCTTATTACGCC AAGCGGAATTACATTCGCACCGCCGACGAGCCCTTTGCTTAATCTGTTTTTTATTACATA TAAATCATATTGTTATAATAAATTACAACCCGACCGCCATTGCTTTTGTTTCCAATTTTC CCTTTTTGTGGCACTTTATTGATGTAGGTTAAGCTGCATTTTAAAGGTATTTAATCCATC CCGTTTAACGATATATTTGATAGTTATGATTCATTATAAAATAACCCCGTCCCCTCTCGA CCACGAGTGGCACATCCTGCTGACATTCACACAAGATGATGATCTTCCTATAGAAATAAG CCTGCCAAACTGGGTTCCGGGCAGCTATCTGATTCGGGATTTTTCCCGGCCACATCACTTC TATCCATGCATCCTGTAACGGCACGTCCATGCCGCTCGAACAAATTGCCAAAAACCGCTG GCATGCCGCCGCCGTACGCGGCGAGTGGCAAATCCGCTACACCGTATATGCATTCGATTT GTCGGTTCGAGGTTCTTTCCTGACGACAGAACGCGGTTTTTTTGACGGATCGTGCCTGTT TTTGAAAGTCGAAGGAACGGAAACGCTGCCGCACCGCTTGGAATTGACGGGTATTCCGTC CGAATGGCGTATTGCCACAACGCTGCCGGAAACAGGGAGGTTTGTCTTTCAGGCGGCATC GGCGGCAGGCATTCCGCACACAATTGCCTTAAGCGGCATATATCCCGATTTCGACCGCAA CAGGCTGGTTTCGGATATCAAAAAATCTGCGAAACAGAACTGGCGGTGTTTTCCTCCCC TGCCCCGTTTCAAAAATATTTGTTCCTGCTCCACGTCGGCGACCATATTTACGGCGGTTT GGAACACACCGACAGCACCGCCCTGCTCGCCGACCGCCACAGCCTTCCGCCGTACGGTAT GACCGATGCCGACGATACCTACACCACATTGCTCGGACTTTTCTCCCACGAATATTTTCA CGCGTGGAACGTCAAATCCATCAAACCTGCCGCGTTCGTCCCTTATGACCTCGACAAAGA **AAACTATACCGAACAACTATGGGCATTCGAAGGTATTACATCCTATTACGACGATTTGTT** TTTGGCACGCAGCCGCACCATCTCGCCCGAATCTTATTTAAACCTGCTGGCACAAGGCAT TACGCGCGTACAACAACCCGCGGCCGTTTGAGGCAGACCTTGGCGGAATCGAGTTTTAC CGCGTGGAACAAATTTTACAAACCGGATGAAAACAGCCCCAACGCCATCGTCAGCTACTA CCAGAAAGGCGCGCTTGCCGCATTGTGCCTTGATCTGATAATACGCAACCGAAGCAACGG GGGTATTCCGGAAAAACACTGGCAAATCCGCTGTCAGGAAATTACCGGCTTGGATTTGGA AGATTTTTTCCAAAAAGCGTTATACAGTACCGAAGATTTGCCGCTTGCCGAATGCCTGGC AACCGCAGGCGTGGGACTGACCTTCCTGCCGCTTCCCCGACAACACGGCGGCGGATACGC CGACCACATCGTCCTGACCCATGTCTTCAACGGCGGCAGCGCGGAATCTGCGGCACTGTG CCCGCAAGACAAAATCATTGCTTTAGACGGTTATGCCTGCACCGACTTTACCGCACAATG GGCCCGATACCACGTCAATGCAAAAATCAATATCCACTTCTTCCGTGCCGGCATATTGCG TCAAACCGTCTTGACGGTTCAGGCAGCGGCAGCGGATACTGCCATCCTACATATCACAGA CCGGAACCTGTTGGACAACTGGTTGTTCGGTTAAACTTTCAGACGGCATTGCACACAAAA TGCCGTCTGAAAAACAACCGCAAAGTAAAGGAAACAAAATGGCCATTCTGAAACTTGACG AACACCTCTATATTTCTCCGCAACTGACCAAAGCCGATGCGGAACAAATCGCGCAACTGG GCATCAAAACCGTCATCTGCAACCGCCCCGACCGCGAAGAAGAATCGCAACCCGACTTCG CCCAAATCAAACAGTGGCTGGAACAAGCAGGCGTTACTGGATTCCATCACCAACCCGTTA CCGCACGCGACATCCAAAAACACGATGTCGAAACCTTCCGCCAACTCATCGGACAAGCCG GCCGGGCGGCAGAAGCTATGCCGGTTGACGAAATCATCCGCCGCGCCCCAAGCGGCAGGCG TAAATTTGGAAAACTTCAGAGAGCGGCTGGACAACGCCCGCGTCTGATTACAAGCCGAAA CGTTTAAACCACACCTTCAAGCGGCATTCCACCGCAACTTGAAAAAGAGGACGGCAAACC TTACTGCCGTCCTCTGTCCTTCTCCGTTTTTACAGTGGGAGACCTTTGCAAAAATAGTCT GTTAACGAAATTTGACGCATAAAAATGCGCCAAAAAATTTTCAATTGCCTAAAACCTTCC TAATATTGAGCAAAAAGTAGGAAAAATCAGAAAAGTTTTGCATTTTGAAAATGAGATTGA GCATAAAATTTTAGTAACCTATGTTATTGCAAAGGTCTCAGTGGGTATAGCGGATTAACA AAAACCAGTACGGCGTTGCCTCGCCTTAACTCAAAGAGAACGATTCTCTAAGGTGCTGAA GCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTACGGCTTCGTTGCCTTGTCCTG ATTTTGTTAATCCACTATAAAAATTAGAAATGCACATTTTCATTATTCTCGCGCAGGCA GGACTCCAGACTTACCCATTTCAGTAATGTTTGAAAATAAAAGAAAAATCAGATGTTTGT ATTCCCGCCTGCGCAGAAATGGAGACGGTGCTCTGTCGTCTCATTTTTGTTTTAATCAAC TATATATAGCTGATTAAACATAAGAAATGCCGTCTGAAAGACTTTCAGACGGCATTCGTT CAAGCGTCGAACTTTATTGCGCCTTGGTTTCGGTTACAAAACCGATTTTGGTGATTCCTG CCTGACGGGCGGCTTCTAAAGCTTTGTTTACATAATCGTATTCCACCGCCTTGTCTGCCG CAATCGCCACAATCACGTTTTCATTCTGCTCCTTGGCGGCTTTCAGACGGCTTTCCACTT CCCCGATTTCCACTTTGCTTGCAGAATCCCCGCCGACATAATAGCCGCCGTTCGCATCAA TCGGCAGTTCCAAAGGGATGGAATGCGTCAGCACCGGCATAGTAATCATAAACACAATCA GCAACACCAGCATCACGTCCACCAACGGCGTAACGTTGATGTCGGACATCGGAGAATCGT CGCCGGAATTCATCGAACCAAATGCCATAATCAGCTATCCTTTTGATTAAGCAGGCGGAC GTGCAAATCGTGCGCCATCGCATCCAAATCCTGGGTCAGTATTTTTGTGCCGCGATTGAG GAAGTTGTATGCCAACACCGCCGGAATCGCCACGAACAAACCCGCCGCCGTCGCCACCAG TGCCTCGCCAATCGGGCCGGCAACCGCCGCAATACTCATCTGCCCGCTTTGCCCGATATT GATCAGGGCGTGGTAAATCCCCCAAACCGTGCCGAACAGCCCGATAAACGGCGCGGTCGC GCCGATGGAGGCAAGCGCGGTCATCCCGTAATCAAACCGGCGCATAATCTGCGCCATACT GTTGCGGATTTGAATGACCAAATACTCGTTCAACGGCAAAGCCTGCGCCAGTTCGGACGC TTCGTTTCGGCGGTAGTTGCGGTAAGACTGCAATGCCTCTTGCGCCAGTTTGGACAAAGG CGCATCGACGGCGCGCACTTTTTCGACCGCGTCGTTCAGCGACAAAGTATCGCGCATATG CCGTTTGACGGCGCATTCCCTTTGCGCGCCCGATACAGCTTGATGCAGCGCAAGACAAC CAAACACCACGTTACGATACTCATCAACAGCATCAACACAAACACCAATCAGGACGGG ATCGCCCGATTCAAACACTAATTTCAAATTCATAATGATTCCAACACTGAAAAAACCAAT CAAACATCCAAGCTGCCGCAAACCGCTGCGGCAACCGCCTAATTCAATTCAAACTTGACG GGGACTTTAAACTCCGTCCAGGCATTGGCTTGAAAATGCCCGTTTTGCGCCGCCTTGCGT

GCCGCATTGTCCAACCGGGAAAAACCACTGCTTTTCACGATTTTAACGGACTCAACATGA CCGCCCGGAGAAACCAAAACGCTCAAAACAACCGTACCCTGCTCGTCATTCTCCATAGAA AGCGTGGGATAAGCCGGGCGCGGAATGCTGCCGTTGGCGCGTAAAGGATTGCCTTTGCTG CTGCCGGCTCCTTCCCCGTGTTCGCCTTTGACACCGCCGCTACCTTTACCGCTGCCTTCT CCGCGCCCCGTTCCGTCTCCTTTGGTACCAGTTCCCTTATCTTCCCCATTGCCCTGCTCG CTGTCTGCTTTGGCAGAAGCATTGCCGGGATGTTCGGCAGGTTTTTCAGACGGCTTCTCG ACCGGTTTTTCCGCCGGTTTCGGGACAGGCTTCGCTTCCGGCTTAGGCTCTGGTTTCGGT TTTTCTTCGGGTTTCGGCTTTTCTTCAGGTTTCGGCTCTTCCTTAGGCTGCTGAATATCC GCATCCGCCTTTTTCGTAACCACCGGCTTCAAAACCGGCTTGGGCGGCTCGACAGGTTTG GGCGGCTCGGGCACGGGTTGCGGTTCGGGCGCAGCAGGCGCGCCTGCACCTTCGGGGGCG CCGTCCCCTCCGCCAAAATCGCCCAAATCGACAAATTCAATAACATTGCCTGACTCTATC ACGGGCAGCTTGTGCGCCTGCCAGAGCAATGCCACCATTGCCAAATGCAGCAGTGCGACG GAAAACACGACTGCGGGGTTAAAATTCGTTCTTTATCCATAATTCGGGCATAATAATAG CAACAATTCCTATTTGCAACCTATTTTTACAATTTTTGGTCATATGAATGTCTGTTCCGT TCACAGGCAAACCGTGTTTAAACGCTGTATTACAGCAAATCATCAGATAACGGGCCGGCA GAAAAAATGATTCCGTCTGATTTCTTATTCCAATAAAATCAGGTTAGATGATATATTGCC GCTTCTGTCTGTCAGCCGTTTCGGGCTGCACACCACATCTGTTCAAAGGAAAACCATGTT TCAAAATTTTGATTTGGGCGTGTTTCTGCTTGCCGTCCTGCCCGTGCTGCTCCATTAC CGTCAGGGAGGTGGCGCGCGCTATACGGCGCGCTACTGGGGAGACAACACTGCCGAACA ATACGGCAGGCTGACACTGAACCCCCTGCCCCATATCGATTTGGTCGGCACAATCATCGT ACCGCTGCTTACTTTGATGTTCACGCCCTTCCTGTTCGGCTGGGCGCGTCCGATTCCTAT GCTGTCGAATCTAGCGATGGCTGTTCTGTGGGGCGTGGTTTTGGTGCTGACTCCGTATGT CGGCGGGGCGTATCAGATGCCGTTGGCTCAAATGGCAAACTACGGTATTCTGATCAATGC GATTCTGTTCGCGCTCAACATCATCCCCATCCTGCCTTGGGACGGCGCATTTTCATCGA CACCTTCCTGTCGGCGAAATATTCGCAAGCGTTCCGCAAAATCGAACCTTATGGGACGTG GATTATCCTACTGCTGATGCTGACCGGGGTTTTGGGTGCGTTTATTGCACCGATTGTGCG GCTGGTGATTGCGTTTGTGCAGATGTTCGTCTGACTGGCTTTCAGACGGCATAAACGCTC CAGAAAACGCGGCAGGACATATTGCCCTGCCGCGTTTTCCTGTAGTGTAATCTTATTTTT TTCATCATTATTAGAACCAGGTTGCATGATAATACCTTTCATTAACTGAAACACTGATTA AGAAACTCCAGTCTGTCTAATGATGAGGTTTTCACATCGCCAAAACTTGCCAATCAAATG CTGGATTTATTGCCGTCTGAGATTTGGTCAAATCCAAAGGCGACATTCTTAGACCCTGTG TGTAAATCAGGGGTATTTTTGCGTGAAATCGTCAAACGCTTGGATGAAGGCTTGACCAAT CAAATACCAGATAAACAAACTCGCATTAACCACATTTTAAAAAATCAAGTTTTTGGAAGT **ACTGCCACGTATGTAGGTAGCTTTGACCGATATTTGCATAAAAACTCCTTTGCTGGTGAA** AGGAATTATTTTGCCAATTTTAAAATATTTCTGGCACCAAATAGTACAATGACAAAGACA **ATCATGCCAATGATTAAATCAGGATAGCTAGAATGAGTCAATAACGTCAATGCTCCCGCC** GCTATCACACCGATATTGATGATAATGTCATTGGATGTAAAAATCATGCTGGCTTTGATA GCCAAAAATGCCGTGCCAATCATCAGTTGATAATTGGGCAGCTGCTCAGCACCGATAAAA CGCCTAATCACTTCTATCACCCCAAATAACGCCAATATTATCTGCGTTATCCCCGCCAAA AATGCCACACGTTTTTTATACGCCAGCGTCATACCAATGGCTGATAGCGCCAATATATAG ACAAAGCTGTCCGCCAGCATATCTAGACTATCAGCAATCAGCCCCATAGAATTAGCAAAA ATACCAACCGAACACTCTATGATAAAAAACACAAAGTTAATCATGAGCACTTGATATAAT AATCTTTTTTCTAAGTGCTCATCAGGCTTGTTAAACACTATCTTATCAACAATCACTTCG GTGGAAATGATATGACTATCAAAATTAAGCGGTTCAAGTACTTGTAAAATCGTTGTATCT TGATTATCGTGATAGACGGTTAAGCACCGCCCAGCAATATCAAACTGTAATTCATAAATA TCAGACACATCTTTTAAACGCATGCGAATGAGCTGTTCTTCGGACGGGCAGTCCATTTTG GTAATGTTAAAAATGGTCTTTTTCATCTATTTAGTTCCTTGTTTTGATCAGGTTGGCTCA AATAAATCTGTGTTTATATTGCTGCTTGGTAATTTTTGGATGGTTTGAGTAAATTGATTA GGTTAAAATTTACCTTTGGAAGTACCGCCACGCATAATAGTTTAGATATGTTTATAATCT CTGGATAAAAAACGTAATAAGTGCTTACTGGATAACAAAGTCCAAACCAATAGCAGGCA AAATAAGGCATCCACCCCCTTCTTCATTAAGGATATATTGAGAAACAAATCGCAACT AAACAGAAAAACTTGGGAGATAAAGCCATTTCATTCCCCTATTCAAGAATCTAGCCAAG ATAGGTATTTTGTATTCTACAAAAAAGAAAGGCATTTCCAAGGGAAACATGTCAGATAAA **AACTTTTGTTTATTTTTTACTATAGATAGAACCTTGCTTCTCAAGAGAAAGCCATTAATA** ATACCGATGACAGCTATTAATATATAGAGAATAGTATAAGTATGAATAATCTTCATTAGA CAAAAAGAAGAAATGGCAGATAAATTACATACGATATATTGGAATATAAAATATTTACGG TCTAAACCTTGTTCAGTTGCAATTTTTTTAAAATTGCCTTGCATAAAAAAATCAAAGGCG **AAGTACTATTCATGGTTTATTTAAAAAATAATACTATTCTGAACATTATTTAGATACAGA AATTAACAAATTAGAACTAAACAAGCTTTTAAATACTTTAATTTTATTGGAAAGCTATAA** AAGGAACTATAACTTTACACACTAGTCACTTCTTTTTAAGAGGCAAAAGGGATTGGGAAG GTCGTCTTGGAGATAAGCACTGGTATTTCGGCCAATGGTAAATAGAGTTTACCTCAAATA GGGTAGAACCTCCTTCATCTGTCAGTTAATAACAGCCACTTTTACAATGCCCTGTCAAAA TARAGCGGCACGCCCGATTTTTCACTCATCGTCATCAAATAACCCATCACCTTTTGGGGC CATTCGATGCCGCGCACCACGGTCAGATTCCTCAAAACGGGGAAAACCAAAATATCCTCC ATACCGATTCCGCCGTTGATGCCGTCTGAAGCACCGTCCATCAAATTTTCCAACTCTTGC AAATCTGCGTTTATCCGTTCGAGGTATTGGGCGGTTTTATTCAAATTGGCGGAAAAGCTG CCGATGCTTTTCTCTTTTTTGTCTGTAAAATATTTCACCGCTTCCGGCGTTGCAAATTCA GGCAGCCCGATTTTGATCACGCGCGGCTGCACCAGTTTGTCGTTGTATCCGCCCACCTTG TCCAGCCACGCCCGTATCTCGGGGCGGACTTCGTCTTTCAGACGGTCTTCGCGGTCGAAA TGCCGCACAATGTCCAAACTCTCGCCCATAAACGAACCGTCTTCTTTTTGCAGGACGGGC ...ACTTGTTTCGCACCGATCATACCGATCGCGTTGCCTCGTCGTCGTTTGCCAGCACGGCT

TGGTCGTAAATATACAGTTTCATCAAAATATTCCTCGTCAACCTGTCGGTACCGACTACC AGCTGTTACAATAAACTCGTTTTTATCGGAACGGAAGACCCCATCATGACCGCCATCAGC CCGATTCAAGACACGCAAAGCGCGACTCTGCAAGAATTGCGCGAATGGTTCGACAGCTAC TGCGCCGCTCTGCCGGACAACGATAAAAACCTCATCGGTACCGCATGGTTGCTGGCGCAG GAACATTACCCCGCCGATGCCGCCACGCCGTATGGCGAGCCGCTGCCCGACCACTTCCTC GGCGCGCGCAAATGGTTCATGAACTCGACCTGCTCCCCGATGCCGTCGCCGCCACCCTG CTTGCCGACATCGGACGCTACGTCCCCGACTGGAACCTATTGGTTTCCGAACGCTGCAAC AGTACCGTCGCCGAGCTGGTCAAAGGTGTGGACGAAGTGCAGAAACTCACCCACTTCGCC ATGCTGCTGGCGATGGTTACCGACATCCGCGTCGTGTTAATCAAACTGGCGATGCGTACG CGCACCCTGCAATTTTTAAGCAACGCCCCCGACAGCCCCGGAAAAACGCGCCCGTCGCCAAA GAAACCCTCGACATCTTCGCCCCGCTCGCCAACCGTTTGGGCGTGTGGCAGCTCAAATGG CAGCTCGAAGATTTGGGCTTCCGCCATCAAAAGCCCGAAAAATACCGCGAAAATCGCGCTG CTTTTGGACGAAAAACGCACCGAACGCCTCGAATACATCGAAAACTTCCTCAACATCCTG TACTCCATTTACAAAAAATGGTGAAGAAAAACTCAGCTTCGACGGCCTCTTTGACATC CGCGCCGTGCGAATTCTGGTTGATACCGTCCCCGAGTGTTACACCACGCTGGGTATCGTC CACAGCCTCTGGCAGCCCATTCCCGGCGAGTTCGACGACTACATCGCCAATCCCAAAGGC AACGGCTATAAAAGTTTGCACACCGTCATCGTCGGCCCGGAAGACAAAGGCGTGGAAGTA CARATCCGCACCTTCGATATGCACCAATTCAACGAATTCGGTGTCGCCGCCCACTGGCGT TACAAAGAGGGCGCAAGGGCGATTCCGCCTACGAACAGAAAATCGCCTGGTTGCGCCAA CTCTTGGACTGGCGCGAAAACATGGCGGAAAGCGGCAAGGAAGACCTCGCCGCCGCCTTC AAAACCGAGCTTTTCAACGACACGATTTATGTTTTGACCCCGCACGGCAAAGTCCTCTCC CTGCCCACGGGCGCGACCCCCATCGACTTCGCCTACGCCCTGCACAGCAGCATCGGCGAC CGTTGCCGCGGTGCGAAAGTCGAAGGGCAGATTGTGCCGCTGTCCACCCCGCTCGAAAAC GGACAGCGCGTCGAAATCATTACCGCCAAAGAAGGGCATCCTTCCGTCAACTGGCTTTAC GAAGGCTGGGTCAAATCCAACAAGGCAATCGGCAAAATCCGCCGCCTACATCCGCCAGCAA AACGCCGACACCGTGCGCGAAGAAGGCCGCGTCCAACTCGACAAACAGCTTGCCAAACTC ACGCCCAAACCCAACCTGCAAGAGCTTGCCGAAAATCTCGGCTACAAAAAGCCAGAAGAC CTCTACACCGCCGTCGGACAAGGCGAAATTTCCAACCGCGCCATCCAAAAAGCCTGCGGC ACGCTGAACGAACCGCCGCCCGTACCCGTCAGCGAAACCACCATCGTCAAACAGTCCAAA ATCAAAAAAGGCGGCAAAAACGGCGTGCTCATCGACGGCGAAGACGGTCTGATGACCACG CTTGCCAAATGCTGCAAACCCGCGCCGCCGACGATATTATCGGCTTCGTTACCCGCGAG CGCGGCATTTCAGTGCACCGCAAAACCTGCCCGTCTTTCCAACACCTCGCCGAACACGCG GATATCGAAATCCGCGCCCAAGACCGCTCCGGGCTTTTGCGCGACGTATCCGACGCGCTC GCCCGCCACAAACTCAACGTTACCGCCGTGCAAACCCAGTCCCGCGACTTGGAAGCCAGC ATGAGGTTCACGCTCGAAGTCAAACAAGTCAACGACCTCCCGCGCGTCCTCGCCAGCCTC GCCGACGTCAAAGGCGTATTGAGCGTTACCCGGCTTTAAATACAAAAATGCCGTCTGAAA TCAATTAAAAACAAAATAGTACAATACTCAACTTTGAAGGTCTAACCATGGCATACTCTG CGGACTTAAGAAACAAAGCTTTAAACTATAGTGGATTAACAAAAATCAGGACAAGGCGAC GAAGCCGCAGACAGTACAAATAGTACGGCAAGGCGAGGCAACACCGTACTGGTTTAAATT TAATCCACTATATTACGAACAATGCAAAAACATCAGCCAAACCGCAGCAACGTTTAACTT TCAAGTTACCGGTCTAAATGCCGTCAAATCGGATAGGCAAAAACCGGCTCAATATGTTGG GCAACACCAGGATGCCTATCTGCATGAAATCGCCAAACATTTTGATTGTACGGCAGCCAC CGTTTGCTATGCACTCAAACAGATGGGGATAACGCGCAAAAAAAGACCACCACTTACAAA CAACGCGTTTATTTGGATGAAACAGGATTTGACCGCCACCTGTTCCGTCCCTATGCCCGC AGCCTGAAAGGGCAAATAGTGAAAGCGCAGATAAGTGGAAAAAGATACCGACGCTTATCT CTGGTGTCCGCACAAGTCGGCAACCGGCTGATTGCTCCGATGGTTTATCAAAATACGATG ACCGGAGTCTTTTTGAAGCGTGGTTTCAGCAATGCCTACTGCCCGCATTGACTCAAAAA TCGGTGATTATTTTAGATAATGCACGATTTCACCGTATGGGTGTCTTACGGGAAATGGCG GAAAAATTGGGACATAAGGTATTGCCTCTTGCACCTTATTCACCTGAGCTCAACCCGATT GAGAAGGTTTGGGCGAATATTAAGCGGTATCTGCGAACCGTATTGTCTGATTACGCCCGA CACTTAATTTAAATGTGTTTTTAACTGTGCTTTATTTAAAGGCAATGAGAATGTGAAAAAT ATCGGATCAATCCCAAAGCAGCCTGCACTTTCGAAACGGGGTGCAGGCTGCTTTGGGAAT TTCATAACCGTTTCAGCCTGCTTTATTCCGCAAATACCGTTTCCAACCCTAACCCGCTCT CTTTCACCAAGCGCAAATAAGCCAGCATGAATTTATACCGTGCTTGAGCCAGTTTCTGTT CTGCTTGGGCGACTTCCTGCCGCGCCCGTATTACTTCCAGCCGGTTGCGGATGCCGTATT GTTGGCCGGTTTCGGTCGATTTCAGTTTCAAACGGCTGCTTTCCAAAACCCGTTCTTGCG CCATGATTTGGTAACGCGCCGCACCGCTTTCGGTATAAGCCTGGCGTACGGCGAGTTTGA TGTGCCGCTCGGTTGCGGTCAGCTGTGCTTCGGCGGCCCCCGTATTGCGCTTCGGCTTCAT GGATTTTGCCCGACAATTCTCCGCCGGTATAAAGCGGCAAATTCAACTGTACGCCGACGC TCATCCCTTTGCCCCGATAGTGGTAGTCATTATTCTGCGCAGATGAAGTGTAGAGGTTAT TCTGATAGCCGACATGGGCAGAAACGGTGGGATAGCGGCTGTTCTGTGCTGCCCGAAGCG CCTGTCCGCTGCTTTGCAGGGCAAGCTGCTGCATCCGGTATTCATGATTGTTGGATAAGG CAATGCGCTGCCATTCATCCAGACTGTAACGTTCCAGCTTGGGCAGATAGCGTGCCAACA GGTTGGCGGTATCTATGGCCTCGATTTGTTTGCTATCCAGGTCGGTGTAGTCGTTCAACT GGTTTTCATAGGTTTGTTTCTCAGCCAATACGGCGATTTCTTGGGCCAGGGCATTGTCGT AACCGGCTTTGGCTTCGTGAATATCCAGCGCGGTGGCAGCACCTTTATTGAATAAAGCCT GCGCCTGCCTTACCTGCTGGGCATAAGCCTCTTTTTCCGCCGCATGGGCGGCAACGGTGT CTCGGCTGAGTAAAACGTTGAAATAACTTTCGGCAACTTTCAACAGCAATTCTTCGCGTG CCGCATCGAAACGCTGTTCTGCAGCCTGCGTATCGAACCTGCTTTGGCGGTATTGTGCAA ATTTGGCAGCGT CAAATAAGGTTTGTCCCACCTGCACGCTCCATCCCTGTGTTTCGCGGG TGGAAGAAATCGATGGCGGCTGGCGCTGGTAGCTGGCATTGGCGGATACATGGGGAAGGA ATGCGGCCTTGGCTTGTTGTTGCCGTGCGCGCACTGCATCACGCTGGTAATGGGACGCTT GAAAATCAGCCGAATGTTGCTGCGCCGCCGCCATGCTTCAGGCAGCGTAAAAGCCGAAA CGGATGGGGAAA GGGATAGTGGCAAGGTAAAAAGTGAAACGGGTAGGATATATTTGGAAA AATAGGATTTCA TAGCCGAAAATAGTTCATGTTGCAAATAGGGCGTCAGTGTCAGGCAAA CGGAAATACCGTAATCTTGCATTATCATTAGATTGAGCAATGTCATCCGGGCAATGGTTT CAGGCAGTCTGCATGTCCGAACCGGCGGATAACAAATGCCCAGTACGGATCCGCCTATCG CTCCTAAAGCTTTCGTCCAATTTGGTTTGCAGCGGGCTTAACAGATAATCCAGCACCCG CCGTTTACCCGTTTTAATCTCCGCCGTGACATTCATGCCCGCCGTCAGATTCACTGCTTT GCCGTCAATATT CAAGGTATGTTTGTCCAGCGACACCACCGCCGTATAAACCAAGCCCAA CTGTTCGTGGCTTACCGCATCATGGCTGACACTTTTCACCTTGCCCGTCAGATAACCGTA GCGCGTATAGGGAAAGCTCTCAATCTTCACCACCGCATCCTGTCCCTGTTCCACAAAACC GATGTCTTTGTTCAATACCAAAACTTCCACGTCCATTTTGTCGTCATCGGGCGCAATCAC CATCATTTTTTGGGCAGCCTGCACCACCCCCCCCCCTATAGGTAGCCAATTCCTGCAC CGTGCCGTCCGCAGGCGACTGTATTGTCATCAGCTGCTGCCGCTGCTTTGCCTTATCCGT TTGGCCGCGGTATTGGTCAATCTGTTCGTTTGCCTGGCGCAGCGCATCCAGCGTATCGCG TTTCAGGTTCTGCGTATTCAGCACCCGATTCTGCTCCGCCTGTGCAATGGCCGCCTGAAT CTGCCTCATCTGACCGCGCGTACTTTCCAAATCGTTCCAATTGCTGACCGATTTGCTCTG CTGCTCCAAAAACGCATGTTCCGAAATAAAATTGTCGGCCCGCAAACGGCGGTAGTCTGC TGTTTTCTGCTGCTCGATCGCCCCCACCGAAACCAGCTTCTGCTCCTGCGCCTTGGCCGA CTGCAATTCCGCCTGATGGCCGCGCAAAGCCGACTGCAATTGCGCATCCTGCGCCGCCCA TGCCTGATACTGGTGCTGCGCCAACACCTGCGCCGATTGCACATCGGCATCGGAGAGACC TAAAGACCGTGCTTGCGCCATATCGATATGCGGCACGGTACGGCTTTCCAATGCCGCCAA TACCGCTTCATAACGCAGTTTGGACAATTGGGCAGCCTGCAAAGCCTGCTCCGACTGCAC CACATCGCTGTCTGTTCCCACAGCCTCCAGTTCCGCCAGCGTTTCTCCCTGTTTCACATG CTGCCCGTCGCGCACATGTACCGCCTTAACCACCGCCGTTTCCAGCGGCTGGATGGTTTT GCTGCGCCCGCCCGACACCGTTTTGCCCGAAGCCGCCGCCACAATATCGATTTTGCCGAA CCAGGACCACAA CAAAGCCAAAAGCGCAAACGCCATAATAAAACGCGCCCCATTTCGG AGCGGCAGAGACCGGCGTATCGGTCAGTTCCAAATGCGCGGGCAAAAACGCCTGTTCTTC CGCCGTGCGTTTGGGCGGTTTCAACTGGTCGCGCACCGCCCAAACATTGCGCCATACAGT **AATGTATCGAGAAAGAAAGGATTTCAGGGCGGAGAAAAACATAACGGGTATAACCTTGGC AATATAGAAACAGGAAACAATATAAATATGTAAAGGAATTTTAACGGAAAGCGCGGCAGC** TGTTAAGGGAAAGGCGGGAATATTGACAAAAAATACCCAAGTCGTTACAAATATTCATTA TTTTACTGCGTAACGCAACGCTGAAGCGCAGGCTGCTTTTGAGATGCGGCAAGGTTCGGC <u>AAAAAGCAGCCTGCACATTTAACCACAGGAACAACCCATGTTTACCACAAACGATTTACG</u> CCATTCCTAGAAGGTTTGGCCATCCTATTCTCAATCGGCTATTGGGGCACCATGCTGCT GTTGCTTTGGTTTCTCGTCCGCTTTGCCTATAAAAAGCCCAAACGGAACCCCGGCAAAAT **ACAATTCGGCCCGATCAAAGAAGAAATACAGGCACAAGAAGAGTGGGACAGAAAATACAA** AGAAGCCGAAGCCGTGTTTAACGAACAATGCAAAACGGCGGGGGAAAGATTTACCAGACG GCGGACAATGTGGAAGGGATTATGCTGTTGAAGGTAGTACCTGAGCGTACCGTTTCGGCA GATGCAAAAACCAGAGACCCGATGTGGGACAATGCGGCTTTACAGACCAGCGAAGGCGTA AATTTTATTGCTCGTTTCCTAGGATTTTTTAGCGATGGGGAATACCGCTATGTGGATGTC CTGCAACCCAACCATTCCGATATTATTCGGTATTCAGGTAAAGATTTTTCCGCTAAATCA AATATTTAATCATATACACCCCGCCCGTTATGCGGTAACGTTCGAAAACAATGTCGATTC CAAGCTGCGCAGGCACTGGGTGGCAGGTGCGACCATACGGATTATCGACCGCCAAACTGA CGAAGTGATTGCCAAGAAAACCATCTATGTCTTTGAAAAAGGCTTGGACGGCACGGGTGG GCCGTTATCGGATTTTGTTCTTAGCGTTTTAAAACCTTATATATTGCGTCCCTTATATAT TGCGTCCCTAAGAAGGGACGATTAACAAAAATTAACGTCCTTTACTTTCTACAAGTAACA GGGCTTTTTTTTGCCCGTTTTTGAGGATTCGCACCATGGAAGATAAGCAAGGGATGACAA AGGCGGTTGCCGGCGTGATGACGGACGCGCTAGCGGACGCAGGAAGCCGACAACCGCTT GGAAGTCTTCGAATGTTACGAAACGTACATAACGGACGGTAAAGGAAACCTGTTAGGCGT TCCTCTTCGGCGCGGTGTATCAGATTCGGCTTTCATTGATCAAATTAGCTTTTCATTTCA TGAAAAAACCTTTTTCGATAAATACGGCGTTCGTGTAAGTCTTTTGGAAGACGAAGATTT TATTCGCGCCGCGTCCATGCTCGCCGAAGAAGTTTTCGGTTTCGGTATCTACAAAGAATC ATACGGTCGCGTCCATTTTGGCGGCCAACAAAATACCATTCTTTTCGAACTGACCGGCAC CGGTTGCGGCGTCGCAAAAGAAGGCTGGGAATCACGACTTTTCGCATTCCTGACTAATGC AATCCGCCCAAAAATCACACGCGTTGACATCGCAAAAGACTTTTTCAACGGCGAATACAG CCCGAACCAAGCCCGTGAAGACCGAAATAAAGGTATGTTTACCTGTCATCACGTCAAACC **AAAAGGCGAATGTTTGGGGTCAGATTGGGAAGAAGACGATGAAGCCAAAATGACCAAAGG** CAAGACCTATGGTATCGGCTCCCGTGAATCGTCCAAATATGTCCGCGTCTATGAAAAAGG CAAGCAGTTGGGCGATAAAACAAGCACATGGACGCGATTTGAAATTGAATTCAAAGCAAA AGACATCGTTATCCCTTTCGAAGTTTTGCAGAATCCGGGCGAATATTTCGGCGGCGCATA TCCGATTTGCGAACGATTCGCCCAAAAGGCAACGCGCATACACGCGGTTAAGGAAGATAA CGGTCTGAAATTCATTTTTCCCGAATTGGACAAAGCCAAACTGTTTGAACTGATTGAGCC GAGTCATCACAAGCTGCCCAAGTCTTTGGCTCCCGAAGCCTACGACTGCGCCTTTTTGAA AGCTCAAGCCATTCATGAACAGCCCGCATTCAAACCGTACAAAGACCCTTACTATATGTA CGAATATTACGAGAATCTTGAAAAACAGCTTGAACAGCAAAAACACGTCAACAATGAAGA

AAGCTATAACAACTTCATTTACGACAAATTCGCAAGACTACCGATTTCATGGGCTTAAAG TGTCTGCCCGAAAGACGTTTAATCACACAAGGAAACCAAAAAATGAACATCCAACTTCAA GGCCACATCGTCGGCGTTAAAAAATCAACGGACAAATCGAAGGCAAGAGCTTCGACTAT TGCTGCCTGATTGTCGCCACACCCTTAGACAGCTCCCAAGGCAACGCATTGGGCAGCTCT ACTACTGAATACGATTTCGGCGGCTCTGCCAATTTCGAGCAGTTCCGAAACGCCCAATTT CCGATCGAAGCAAACCTGAACGTAGAAATCGTCACTACGGGCAAAAACCCAAAAACTGAAA GTCATCGGTTTTCAACTCGTGAAGAAAGGCTGATTGAATGCAGAAAGTCTATGTTGTCCA GTCCGTATCAACAGGGGACTTTCTGTATCTCTCTCTGAAACGGGCGACATCGGACATAC CAAATTAATCACCAATGCCGATTATTTCTACGACTTCGAAGAAGCGATTAACGCAGGTTT GGAAGAAATCGGCAACCAATACGAATTTGTCGTATTCGGATTTTTGAAAGACTGATTTTC GGATGTTCGGCGGTCGTCTGAAAAACGCTCCATCCATTACCGCCAAACACTTTTTGAAGG AAAATATCATGAAATTTATTAACACCTGCCGTAAATACGGCGCAAAACTGGCTGTTGTAA CAGCTGCTCCCCTGGCTTTGGCCGCACATGCAAATGCAACGTTGCCCGATACGGCAAAAA ACGCTTTGGAAGCCGCAAAAGCGGACGGTATGGAAGCCGGTTGGATTGTAGTGGGCATTT TCGCCGCGCTTTTTGTATTTTCCATCGTTAAGAGAGTGATGAAGTAAGACGGCATGTACT ACCAAGTCGGAAATAAATGTCTTGAGAAGCACCAGGCTGAAAACCTTTATTTCAGCTTGG TAGTACCAAGAATCAAAGAAAACGGACAGATTGTCAGGCCGGAATATAACGGCAGCCTGT GGAAGATGTCGGACGGTCAGCCGCTAAGGCTTTTATTGGCGGAATGCAGTCCGAAAGACA ACCTGCAAAGCGGTCTTGAAACAGGCTGGATAGTATTCGGCATCCTCGCGTCCGTTTACT TTGTTTCCCTGCTGAAAAAGGTTTTGAAATGATGGATTTTTATTTTTATCTCGGCGTTTC CGTACCCGTATTAATCGGGGCGGTTCTGTTTAAGAATTGAGCGCATGAAGTTATGGTGTC AAAATCAGGCTTTTAATTAGACATTTGAGGCTTGAAACCATGAATAAAAATGAACGTGAC TTTTTCTATATATCAAATTCTGATTTAGATAAATTGTCAGAATCTTATCCTGATAGGCCT CTTTCTTATGTGTTTTTTTTTTTGAAAGAAACTGGTCTATTGAAAAATTTCTCAATG GATAAATGTCATAATTTTTTTAATAGAATTAATTTTAATGAATCTTGCTTTGAAATTAAA TTCAAGGATGATTCATTTTCATTATTGGCAATGGAAAAATTGATGTTTCGGATTCTAAT AATTTCTTTTCTGTTTCTTTTGAGTGCTAAATCTTTTTCAGCAGATTTAGAAATTAAAAA TGGGAAATTGATGTATGCACTTTCGGAAAAATATAACGATAATGGATTTAAGGCATACAA AGTTTTAGGTGAGGGAGGAATTCATACAGAATATAATTACAAATTTGATAAAAGTTT GAATTTGAATGTATTAGAAAGTTCAACAGGCGCACGCTCTCTTGAAAAAGTCCCCGTTAA AGTAACTGCATCAGTTTCCCGCGCCGCCGTCTTGTCAGGAGTCGGCAAACTTGCCCGCTT AGGCGCGAAATTAAGCACAAGGGCAGTTCCTTATGTCGGAACAGCCCTTTTAGCCCATGA CGTATACGAAACTTTCAAAGAAGACATACAGGCACAAGGCTACCAATACGACCCCGAAAC CGACAAATTTGTAAAAGGCTACGAATATAGTAATTGCCTTTGGTACGAAGACAAAAGACG TATTAATAGAACCTATGGCTGCTACGGCGTTGACAGTTCGATTATGCGCCTTATGTCCGA TGACAGCAGATTCCCCGAAGTCAAAGAATTGATGGAAAGCCAAATGTATAGGCTGGCACG TCCGTTTTGGAATTGGCATAAAGAAGAACTGAATAAATTAAGTTCTTTGGATTGGAATAA TTTTGTTTTAAATCGTTGCACATTTAATTGGAATGGCGGAGATTGTTTGGTCAATAAAGG TGATGATTTCAGAAATGGGGCTGATTTTTCCCTTATTCGCAATTCAAAATACAAAGAAGA AATGGATGCCAAAAAGCTGGAAGAGATTTTATCGTTGAAAGTCGATGCCAATCCCGACAA ATACATAAAGGCAACCGGTTATCCCGGTTATTCCGAAAAAGTAGAAGTCGCACCCGGAAC AAAAGTGAATATGGGTCCCGTCACGGACAGGAACGGGAATCCCGTTCAGGTTGTCGCAAC ATTCGGCAGGGATTCGCAAGGCAACACCACGGTGGATGTTCAAGTAATCCCGCGTCCCGA CTTGACCCCGGAAGCGCGGAAGCACCGAACGCACAGCCGCTGCCCGAAGTATCGCCCGC CGAAAACCCCGCAAACAACCCGAACCCCAATGAGAACCCCGGCACGAGCCCCAATCCCGA AGGCGAAGACGGCGGGCTTTTGTGCGATTATTTTCCGGAAATCCTAGCCTGTCAGGAGAT GGGCAAACCTTCAGACGGCATGTTTCACGATATAAGCATACCGCAGGTTATAGACGATAA AACATGGTCTTCACATAACTTTTTACCGTCTAACGGCGTATGTCCGCAGCCGAAAACCTT TCATGTTTTCGGTAGGCAATATCAGGCAAGCTATGAGCCGTTATGCGTGTTTGCCGAAAA AATCCGTTTTGCCGTACTGCTCGCCTTTATCATTATGTCGGCTTTTGTCGTTTTCGGTTC GTTGAAGGGGAAATAAATGCCATTACTTGCCGGTCTGATTCCACTTTTAGGCATACTTCT GAAAATGCTGATTGTCAGAATAATCCTTGCAACAGGTCTGACATTTGTAACCTATGCCGG GTATCTCATCGCGCTGGAAAAGTTCAAAGACTACACGTCAAATGCGATCAATTCCATGCC TTCCGACATACTGAACCTTCTTTTAATTTCGGGATTCGGTCAGGGGTTGGGCTACCTGTT CGGCGCATTCTCGTTCTTCATTGGTATGCACGCATTCAAAAAACTGACGTTTGTCTTTCC AGGATGAGGTAGAAGCATGATTTATCTGTTTACAGGAAACATGGGGACAGGCAAAACCTC CCGCGTCGTCTCTATGATTTTGAACAACGAAGACGGATTGTTCAAAATGAAATTGGAAGA CGGCACAGAGGTAGACAGACCGCTTTATTTCTGCCATATCGACGGATTGGATAAACGGCA GTTTAAAGCCCACGAACTGACGGAAGAGCAAATCATGTCCGCCCCGCTTCGTGATGTCAT ACCGGAAGGCGCAGTGCTGATTGTTGACGAAGCGCACTACACTTATCCGGTACGCGCGGC AGGCCGTCCCGTTCCGCCTTATATTCAGGAACTGACAGAACTCCGCCATCACGGGCATAC CGTTATTTTGATGACGCAGCACCCGAGCCAACTTGATATATTCGTCCGCAACCTTGTTTC AAAGCATGTACACCTTGAACGCAAGGCAATCGGAATGAAACAGTATTATTGGTATAAATG CGTAACCTCGTTGGACAATCCCGCAGGCGTAAGCGGCGTAGAAGTCGCAAGTTGGAAACC GCCGAAAGAAGCCTTTAAATACTATAAATCAGCAAGCCAGCACCAAAAGTTCAAGAAAAA AGTACCTTGGGCGGTTTGGGCGTTGATTGCGATTGTAGGGTTTGTAGGCTGGAAAAGTTA CGGCATTTTTAAAGTTTACAGCAAAGCCACAGACAGCCGGATTGAGCAGGAAGCGCAAAA AGAAAGCGTTGTGCAGACGATGACGGAGCAGCCTGCATCATCAGAGGAAATGCCTTTAAA AAATTCAGACAATTTGAAACCTGAAGACTTTGTGCCGACTTTACCCGAAAAGCCCGAAAG CAAGCCTATTTATAACACAGTCCGACAAGTAAAAACCTTTGAGCAAATCGCCGGATGTAT AACAAAGATAATGTGTAAAGAATATGTGAAAAACGGGTTGCGTTTCAATCCTTATAAGGA CGAACAGCAAAGGACGGAACAGTGGAACAGTCCGCGAAAGCGGACAAGCCGCAAGTTCT

CGTAATGGGCGGAAAGCCGTAGCAAAATCTCATGTACGACAACTGAAGAGCGCGGAAAAC CGTTTGAAGGAATTGGCGGCGGAGTCGTAAAGCAGAAAGTTCAATCCCTACCCCTCAGGA **AGTCTGGAATCGCTTCGTTCGGGGGTTGTAGGTGCAGGAAAATAGGGCAGAAAAAAGGAA** AAGGGGGAAGCTTTGTAAAGATTGGGCGCGCTTTTTACCCAATCTTTATGAATACCCCCT TTTCCTTTTTTATGAACTGTTTTTCAATACCGGAAACCCCCGAACGGAGTGATTCCAGAC TGAGATACGCCCAAAAAAAATCAGACATTCGGGTCGCAACAGAAACCTTTACCAAAACCT GCGACCCCAATAAAATCAGATACGGCAAAGGCGATAAGCTTCAAGCCCTGAATGAGTAAA TCAGCCCATTGAGGGCTTGGCGTTTGACGAAACACCAAGTAAAGCCCACGACTTCGAAAG TACGGCCAAAGCGTACAGCTTGTAAGAAAGATAGAAGCGTGGGCTTTCGTACATCTTAAG TTTGAACACTATCTAGGGCAAAAAGCCCGAATTAATAAGGTTAAACCATGTACTTAGGAA TAGACGTTTCAAAGCTCACAATAGATTGCTGTTTGATTGTAGACGGTCAAAATTATCAAA AGAAGTTTCAGAACAACAAAGGAGGATTTGAACAATTAATAAATTGGCTACAAAGTCATA AAGTAAACGATAAGCTCCATTGCGTGTGCGAAGCAACAGGCACATATTACGAAGCATTAG CCGAATATCTTTATTCAAGATATACAATTACCGTAGAGAATCCACGAAAGATAAAAGGAT ATGCGATAGCAGAACTACAACGATCAAAAACAGATACACAAGACGCAAAGTTGATAGCCC AATATTGCCAAGACCGAAAGCACAAATTAAAAGCATGGAAACCGCCGACAAAAGAACAGA AGCAATTACAGGAAATCGCCCGATATTTAGACTATCTGAAACAGCAACGCGCAACAGAAA **AAGCTAAACAACACGAAGCACCCGACTATATCAAATCCCATATTCAAACAACTATTTCAA ACCTGACAGCACAAATACAGATAGTCAAAAAGCAATTACTCCAGTTCTACAAAGACAATC** CAAGTTATAACAATCTACGCAAAAGGCTGAAAACAATAACAGGCATAGGCGAGCAAGCGA CAGCAGTATTGCTATCAACCTATAAAAGACATGAATTTAAAAAATGCAAGACAGTTCACGG CTTATCTAGGCCTAGACCCTAGAAAATTTCAATCAGGAACAAGCGTGAACGGAAAAAGCA GAATATCAAAAATAGGAAGTTCGGAAATAAGGAAAAGCCTTTATATGCCTGCACTTGTTG CATATCGTTGTAATGCCTTCCCTGAATTTGTAGGGCGTCTGAAAAATAAAGGGAAGCATA TAAAATTGATATTAATTGCCATCATGCGGAAACTGGCGGTAATAGCGTTTACGATTTTGC AAAACGGCCAAGATTTCCAAGTGGAAAGATATAAATAAAAAATTAAACTGGGCTTTCGCC GGTGATTTTCAATTTATTGAAAATAAAGTATAAAATTAAAACATCAAATCCATTCAAAACG AAACAACATCCCGAAAAAGTCGGGGTGCGCATTCTTGCAACTTCAAGAAATGTAAAGTT ATTTGACCGTGAAATACACTATCTTTTTTTCAACAAGCCACCACAGCAATCAGACAAAAG CAACCCACCGCCACACCCATGTCGGCAGTACGGCCGGACAAACCACCATCCGAAGCGGCG GGGATACCACCCTCAAAGGTGCTCAGCTTATCGGCATAGGCATACAGGCAGACCCCCAAC TACAACCCTGACGACTATTGGTGGAACCGATATTAACTGACCCCCAAAAGTTGGACAGTT TAATCAAGCGGCTTTCAGGGACTGAATTCTGTACTGAACAGGGCTCAGTCCTTTTAATTT CAACTTGATTCTATCGTTGTTGTAGTAACGGATATATTCGTGCAGTACAGCTTCCAATTC GGTAACGGAATCATATTTGCACGTATGGAAACATTCCGATTTCAACGTTCCGAAGAAACT TTCCATTGCCGCATTGTCCAAGCAGTTTCCCTTGCGGGACATACTCTGAACCAGACCGTT GTCTTTCAACTGCTTTTGATAAATATCATGGATATGCCGTTTCAAATCGGCATATTTGTC TTCTGCCGATTGGACAACCAATTGGTAATAGAAGGTGCCGCGTGGCAGTCCGACAATCAC GCACTTCTTTCCCATAGATTAAGGCATCGAGCTTTTTTAGGGCAGCCATTTCCGCTTTAA GGCAAGCCAATTCCGCAAGCAGTTCTTCCTTGGTTTTCAGATAGTCGGCTTTTTCGTTTC CGGCGGATGCTGTTTTTCACGGGCTTTCTTCCTTTGGGTTTAGGGTTTGGGCTTTAAAC CGTTAATACCATTCAAATGGTAGAGGCGCAACCATTGCAGCAAGATGGAGCAGTCGGGCA **AATTCAGTTGGTCTGCGGCAGCTTTTTGGGACATTCCCTACCCCGCCACCAGGCGGATTG** CCTCAAGTTTGTATTCGACCGAATATTTTGTCGTATGCTTTCTACGTTTGATGCCACTCT CTCCGTGTAATCTGTATTTTGTCACCCATCTGCGTACCAATGAATCGGAAATAGAAAGAT GGTCTGCTGTTCCCTGCCAAATAGTATTGAACGACGGCAAGTCGGAATTCATCTGAATAT TTTGCCATAAAAACTGCACCCCCTAAAGTCGGTAAGGTGTCCAACTTTTGGGATGCAGT TCAGAAGCGGTCTTTTTTTGCCTGCCGGTTTTGAATCATCCTCCGTGTATATTCCCTTGA CGAAAAAATGATGATATTACGGATACCAAAACTAAGGTCGTATCCGCCCCCTACTCTC CCTAAGCAAAGAGATGAAACAGCGTATCGGCTCCCTGCCGGTTGAATTTTCCGAAAAAAC GCGACGTAACCAGCATCAACATATATAAGAACAGCACAAATAGCATCAATACATCAGGCA ACGAAAATGCAGAATAATGCACTTAATGGTGTTTTGGATATCTGTTGTTTTTGTGCTGTTAG TAATTCTTCTTTCTGTGTTTACAGTTTAGCAGTTGTACAGTTTTACAGTAATGTTTAAAC AATGACTGATTTATTTTAAATGCAGATATTGTAGAGGATAAAAATGGCCAAAGTCCTTTC AGTAACATTTTTGATTTTTTAGCGAGCCTTCTCATTTCCCCGGCGAGATCGGCAATGGCA GCGGTACTTTGGCCGCCGATATGCTTAAGTTCAGTAACCTTACGCCACCAAAACCCTTGC TAGCTAAGGGTTAAACAGCTCACTTGAAATCTACTTAAGTCTAATCTAAACTATCCAATA TGGATAGATTTTTAAACATAGGGCAAGCAGCAAAATTATTGTAGCTGAAAGCACAATCAC TCGCTGGTGGTCTCAAACACGTGCCGACTACCTCGCCGAAAACACTATCAGCCGCGATAA ACCGTGGGAAAAGCTCGTTATCAGCCGCCGCACTTGGTACTATCGCGGGAAACCGATGCT GTCTGAAACGCAACAGGAGAAAAATAATGAGCCGTTACCTGATTACCTTTGATATGGATA CCAACTGCCTGAAAGACAATTACCACGGAAATAACTATACCAATGCCTACTCCGATATTA **AAACCATCTTGGCTAGACATGGATTTGAGAACATTCAGGGCAGTGTTTATCTAGGCCGTG** AAGGCATCAGTGAAGCACACGGAACAATAGCCATTCAGGAACTGACCGCTCGGTTTGATT **GGTTTTACTCCTGTATTTCAAACATTAAGTTTTACCGCCTTGAAAGTGATTTGAACGCAC AATTTATCGCTGATGGTGTATCAAGCCAAACAGGCTTTCCTTCAACGTGTTGAACAAC AACAGAAATTTGAATTGGAAAGTCCTAACCTGAAATTAAATTAACCTCCTTTACTCACCA** ACATCCGCCGCAGCTCTGTCAGTTTTTGGCGCGCTGCGGCGATTTCTGTGCGTTTTAGAG CTTCGGGTAGGGTGTGAAACAACTCACTCGAAATTTACTTAAGTCTAATCTAAACTATCC **AAGCAGTAATTAGTACAAAAAAGGCAAACTTATTTTAGGAGTTTAAAATTGCAGCTGCGA** TAAACCGTGGGAGAGTCTCGGCATTTCCCGCGCCACTTGGTACAAACGTGGCAAACCGAT

TGCCAGCTAATGGTTTACGTAACTTAAGGTTACTGGATTTACGCACTAAGGTTACTGAAC TTAAGCATATCGGCGGCCAAAGTACCGCTGCCATTGCCGATCTCGCTGGGGAAATGAGAA GGCTCGCTAAAAAATCAAAAATGTTACTGAAAGGACTTTGGCCATTTTTATCCTCTACAA TATCTGCATTTAAAATAAATCAGTCATTGTTTAAACATTACTATAAAACTGTACAACTGC TARACTGTARACACAGARAGARGARTTACTARCAGCACARARCAGATATCCARACAC CATTAAGTGCATTATTCTGCATTTTCGTTGCCTGATGTATTGATGCTATTTGTGCTGTTC TTATATATGTTGATGCTGGTTACGTCGCGTTTTTTCGGAAAATTCAACCGGCAGGGAGTC TTGGTATCCGTAATATCATCATTTTTTCGTCAAGGGAGTATATCGACTCTAGAAGATAG GTATTAGATACTGCCTTTTCTTACAAGAGTGATGGTAGGATGGTTCTCTTCAAGTCAATC AAACAGGAAAGTATTTCTTTTCTGTCTGAAGATTTGAAAAAGGACTGGATGTTTCACAAG GTTAAAACTGGGGAAAAAGATGGATATGGTTCAGATGAAATGCTGAGCGTACCCCGTGTC TATTTGGAAATGATGTCGCGGAAAACGGGAGTCCCCTACTCCAGTATTCTTTAAATTCTA AGCAGAAGACTTCTTCGTCGGTCTTTTTTTTGTTGTTTGGTTTGCATGGAGTAAAACTGTA TTAGATATTACCGCAATTAGTTTCCTTTCCTAAAATTTGTTTAAATTATTTGCAATATTA ATATAAACGAGATATTAATGATGAGAAATCAAAAAGGCATAATGAATATATTTTGTACAA AATATTTGCAGTATTTAAAAATGTTGGTTCGTATATGAAAAGTTAAAAATGCCAAAATGT ACAGTTGCTAAACTGTAAAACTGCTAAAGCAACAAAACATAAAAAGGAATGCAAGGATGC GATCACTACATCTTTTTATTCCGAAGCGTTTATGATTTTACGGTCAACTGCTACTCTATG TGCCTAGCTTTTCAGCTCCCTATTTTCGAATATTGGAGGAGGCATTTTCATCAGTGTCGT AATGCCGACCAAAACTCTCACAAACCATATTGGTTCTTGTGGCAGCAACACCTATCCGTT TGTTCAAGCGACCACAAGAGTAACATGATTGGCTGGTAGCATTGGCTTTAATCTCTTCGA TATGAACTCCATTTTTAGCTGCACCTTCTTTCAGCATATGCAGCAGTAGGGATGAGGCAA CTATCTTCTGGTGGAGTTTGTTGACTTTAATCTGTATGCACTGTAGGTTGAGCAGATTCA ATTTTTTGATACAGATTATCCGGCTTTGTTCGGCAATTCTGTTTGCGAACGTATAGTAGA GCTGTCGTCTTGCAGCTTTCAATTTGCGGTAGGTATTTTACCATTCAATGCGTAGCCGCT CGGTACGTTTGAGCCAAATGTTATCTTCGCCATTTGTACCAATTTGTTTTTACATTAGGC TGTGTTTTAGTAATCTATTGATTTCAATTATTTGCAAGGGAAAAGACAATTATTTTCCGG TTAGGAATAAACCTATCCTGTTGAATACCTTAAAGCCAAATACGCCTATCAACACCATAT TAAAACACAGCCTTTTTTAATATAGTAGACACAATCTTTCCCTATTTATGAAGGTGATCG TTTCTTTCAGATTCGTATTTTAATGCTTTCTATTTCTATAAAAATTGACTAGAATAGCTC **AATTATAAAAATTGCGCGATTTTGGTATTTATCATGAAAATTTCCAGACCTCCGGAATT** TACCCTGTTGCAACAGGAATATATGCAGCATCTCACTGAAAGAATGACGCAAATTGCCAA GCTGCTGAATTCTTCCGCAAACAATCCTGATATAGACATTCCCGATTTTCTTACTGAAAT ATTCCGCCGGATTCACACGGAAGATACGCGGATGAAATGGCGCGCCGTTAAGGAAAGCCG CAAAAAAATCCAAAAACCAATTGATTTCCCGTTTGAACATCAGTTTTGGTTCTGCATTCC CGACTCTTTGCAGGCACGGCTTCATTTGATTGACAAAAGCTGCGGCAGTTCTATCGGCAC GTCTAGCTTGGGTGGCTTCGGCAGAAGCGAGCAAAACAGATTCTTGCTCAAGTCTCTGAT TATGGAAGAAGCGATTACATCCGCCCAACTGGAAGGTGCGGCTACCACGCGTAAAGTGGC CAAGGATATGCTCAAATCGCAGCGTAAACCCAAAACAAAAGACGAAATCATGATAGTGAA CAACTATCACTTGATGAAAAAAGCGGTAGAATTGAAAAATACGCCGTTAAGTGTTGAAAT GATTTTGGATTTGCACCGCATTGCTACCAGTAACGCTATTGAAAACAAGGCCGAGCCCGG ACAATTCAGGCAGGATGACGAAATCTTTATCGCCGATATCAATGGTAACAGCCTGTATCA ACCACCGCCGCACGGACAGGTTCATACGCTGATGGAAGAGGTGTGTGCGTTTGCCAATAA TACCTATGACGGCGTGGAAAATCCGTTTATCCATCCGGTTGTCCAAGCTATTATCTTGCA TTTCCTCATCGGCTACATCCACCCATTTGGTGATGGCAACGGGCGGACAGCGCGGGCTTT GTTCTATTGGTTTATGCTCAAAAACGGCTACTGGCTATTTGAATACATATCCATCAGCCG TCTTCTGAAAAACGCTCCTGCCCAATACGCCAAATCCTATTTGTATGCGGAAACTGACGA TTTGGAGCACTACATTTCCGACAAACAAAAACACCAACAGGAATTCAAAGCAGCGATTGC CCAATATACTGAAAAGATAGGAAAGTTGAACCAACGGCAAATTGGTATCCTGCAAAAAGC CCTGAATACTGCCCGTAGCGATTTGAGTAAACTGGGAGAATATAGATTCCTAGTGCCGTT CARATCAGGAAATGCTTTAGAGTATGTTGCTCCTCAGGATTTATTGGAAAGGTTAGAAAA AAAATAGTTTGCTAGCCCAGAATGCAGCTTTAACCGAGTCAAAATCAATACAGTCCGCAC CTTCAAAAAGAAGCTGCGGACTGCTTGCTTTTTGCTCTACAAATGATCTTTGTAGCTGAT TTAACCAAGATTGTAGCAATTTTGCTTTCCAAGCAAGCAGGGTTAGAAAATTCGATACTT TTAATTATTGGCTGTGTTTTAATATGATGTTGATAGGCGTGTTTGGCTTTAAGGTATTCA ACAGGATAGGTTTATTCCTAACCGGAAAATAATTGTCTTTTCCCTTGCAAGTAATTGAAA TCAACAGATTACTAAAACACAGCCTTACATTATTGGGGTGACTATCCTGTAAAATATGTC CTAAAACGTGGAAACCACTTTTGCTCTGCTAAATTTTAAGGAATCTTTATGTTACATATA CCCCCAACGGAACCTGTTCGATATGTTAGCAGTATTGTAGCCTTAAACGTGCATAGTCC TAACGGTACAGGCGACTGGCATAGTGCAAAGGCATTGAGTGATCGGGCTTACCCTGAAAA CATTATTGATGGGACGGATCGACTGAACAAAATGGGTTATTTCCCTGAAAACATCCCAGT TTGGCTCGCAGATCACCCCCGTGCTTGCGTGGATTATCTTTACACAGCAGTGTTACAAAC TGGCTCAATCGGTCGGTGATTTTAGATGATTGGTTTCCAAGCGATGAAGACAAGCAATC AGTTTATGACTTACCTAACCAAATCGAACCGCACTTGAATACTCAAGAATGGGAGAATTT ACAGCTATGGAAACGCAAAAACCCAATAATGTAATGCTAACCGAACGAGATAAAAGGCAC GAGAAGCGGTATTACTGAATTTCATCCGCAATACGCCATGTACAATTAAATCAGCAGATG TGTCTAAACGTACCGCTGTTCCCGTTTGAAAGAATTTTTCATGATGAAGTCTATCCTCAC CGTATECGGAAATCGTATGCGTAAACCCAGAATCACCTATTTGGATGTTTGGGCAAACGA TGAAAGAATCGGTACTTTGGAAAAGGGGGCCATGTATCGGTTCGCATACGACAATCCCAA

TTCTTCGTTGCTGGGCCTGCATTATCAAGACAGAAGCAAGGTATATATCAGCAACAATAT GCCGCATATCTTTGCACAGTATTTTCCGGAAGGCTTTTTGGATGCACACATCACAAGCAA ATATGCTTTTCATGATGCGCCTTTTGAAGACAATGAGATGCTGCGCTTGGCAATTCTGTG TGACGGGTTGGAGATGAAAAATCCAAGAATATTGACTGAACGGGATTTGCTGGGCATAAA TGCCCGACAGGTTTTTCAGCAATATATGGCAGAAATCTTCCATCACGGCCGTTTCGTCAG TGTATCCGGGATACAGCAGAAGATGTCCTTAGATGCCATCCGCAGAAATACCAAGCAAAC ATTTTTATGCATGCAGACCATCAAACAAGCCGGCATTGCCGTTGCACAGACCAGCCTGTC GGAAGATTCATCAGTCTTATTGGTACGTCGGTTTGATGTCAGTGAACAGGGTTATTTTTT AGGGATGGAAGACTTTACCAGTCTGCGCCAGTATTCGGTAGAAGATAAATATAAAGGCAG TTATGCGGCTATTGCACAGATTATCCGACAGATATCCGGCAGACCAGATGAAGATTTAAT CCATTTCTTTAATCAGCTTGCTGCCAGTTGCATATTGAAAAACGGCGATGCACACCTCAA AAATTTTTCAGTACTCTATCATGACGAATACGATGTTCGTCTTGCACCTGTCTATGATGT ATTGGATACATCAATATACAGGGTTGGAACACAAGGAATTTTTGATGCTTATGACGATAC GCTGGCATTAAACCTGACTAACCACGGTAAGAAAACATATCCTTCCAAGAATACATTGTT **AATCGTTCAAGCTAAAGAACAGGTTCTTGTTAAATACTCGGATGTATTGCGTGAGAATGA** ATGGTTGGCGCAGAAGTGGCATTTTATCCCGGATGAAAATGAAGAAGGTCTACCGTTTAC ATTCCGGTAGCTGCCGCTGTCAGAGATGGCCGGTCTACTTTCACCCTGAAAATCACTTCA TCTTATGGTGTTTGAAACCGAGAAATTAGAAGAATCGTATTCGGTAGGAGATATACTGGG **AAGATTGGAAAACTGGTAAATCACTCTATTGATTGAGTTGGCGGCCTATATGTTTAATGT** AGGCAAACGAGAAGGAATCATGTATTTCATGATTCCTTCTTAAATTCCTGTGTCAATCTA ATATCAAAACACAGCCATCTCTTACCATAATCATGATAGGTGTTTTATTATGAAAAGCTA TATCTATAGTTACCGTTGATTTGACTATGCCGTTTTAAAACGTATAGCCTACCTGAAAAC CGCTTGCCCATTTCCTTGATTGGAAAAATTCGGGCTTTTTCAATGCGCGGCCGGTAAATA TATCGTAATGCAGGTTGCCGCCAAGCTTTATCTGCCCGCGTATCCCAATTGCTGTGCCGA CTAGAGTTTGGCCCGATAACCATTTGGCGGATTGTCCTGAAACATGTCCTACATCAGCCC CAAGATAAAGCTGATGGCCTGGTTTAAATTGCCAGCTCAAATCGTTGCGCCAATACCATC CCCGCTCGGCAGACAAACTCATTTCACCGTCGAAGCCACGTACGGTGTGGTGTCCGCCGA TAGCCAGTTTGTCTTGCGATGTTAGCGGGGTTTTGTTCCATTGTGCATGAACGGATGTGT CATAGGCAAATAGCTGTTTACCGATTTGAAAAGGAGTATTTACATCAGCCGATGCCGTCC TCATGCCGGTGCCGCGTTTATATTTCAACTTAAAATCTGCCGTACTGCGACCGATATATT CATCATCAATGTAACTTTTTGTTTCCCTCATCCACAGTTTTACACCGAGATAGGTTTTGC GTTTGGCATCACGATACAACAGGCGGTTGAAGCCGAAATCAGTATTGTAACTTTTTCCAT TATAGTCATAGACTTCCGATAATCCGGAAACTGCCTGATGGTAACGGTAGCCATTGTGAT TGAATGCCCATGTCCATTTACCGAAAGGGGCTGAATAATGTACGGCGTAATTGTTTGATC CGCCTTCTTTGCGATGGCCGTCAAAACTTTCCTCATCGGGCGTACCGCCAATCGAACGTC CATAATTTACATAGAACATATCACTCAGTCCCAAAGGATTGTCGGCAGAGAAAGTGATAT AGGGCAGCAGACGTTGCCGCCATTGCACCACGACATCACTTTGGTTTGGTTCTCCCTCTA CGGGAACGATTTGGAGATCGGCTTCCGCAGTCGGGAGACGTTTGAGATTTTCCAGTCCTT GTTCCAAATCACGCAGATTCAACAGATCGTTCGAGCGGGTGGGAAATTTGTTCTGGAATG GATAGCTCGGTATCAGGGTTAATTGAAGCTTGCCACTATTCAAATCCTGTGGCGCAGCCA AGATACGGGTCGTGGTATATCCCCTGCCGATCAAAGCATTTTTGTGCTAAGGACATGATTT GATTAATGTTGCCCGCATGCAGACACTTGCCAGCCTGAAAACCCGTTTCGCGCAAGGCAC GTTTTAGGGCAAACTGAAACCGAGCATGGTGTTCGCCTTCCAACACCACTTCGTTAATGG CAAAACACGGTTGGCTGTCATCGCCCATCAACTGATTAACCGTTTCCCCCGTGTTTT TTTGATGCAAACGCACATCGCTTTCAGGCTGCATGGTTTGGCGCAACTGCTCTTCGCGTT TAGCAGGAGCAATGATACCTGCCAATAAGCAGCACCAAGACAAAAAGCGAATATTAGGCA AATAGGATAAAGGAAGTTTCATGGCATGGTCGCAAAATCAATAAAATCATCAATGGGCAT TCAATACACGATTGCATCAAGTTTTAAAAGTTAAAATTCTCAAACCCTTATCGCTCCCTT TATGATACAAGGCGCGTACTGTCGTACTAGGAAATAACTGGCGCACAGCTGAGCGCATTT GATGACTGTGTCCCAATGGCGCAAACCATTGAATCAGCCAAATATTGTCGCCACAGTTCC **AATCGCTGTTGTCACGCAAATGGCGGTCAGATTCTAAATAATGCGCCTGCGCCACTTCAT** CAAAATAAGCCCATGAGATATAACCGATTGGTTGGGTACCCTTGCAAAACAAAGCGAACT GCCCGTTTTTTAACACAGGCAATATATACGTCATCATCTCCACAATAGGTACTTGGCGAT GCGTAGGCGACTGATACCATAGCCAAGTGATGGCACCGAGTGCTTCGCTTTCGTTCCATT GTTCATTGGGGTAGAGTTTAGGAGAGATGATGTTTAAGGGTGGAGTGATGGGCATATTTT **AAGTTAGGGTTCGTGTTGGTTAAAACAAAAATGGTTTCAGCCTGAAATGAAATATTTCA** CGTTAAAACATAGTTTTAGCACATGAGACTGAACTGCGTGGGCAACGAGTTGCCCACCCT CATACTGCTTATCTTTACGAATATTGTATCCACCGCCATGGTGAATACACTGATAAGAAA CTAATTCATGCAAAACAAAGGTGAGATTTTCAGTTTCACATGTGTCAACGGCTTTCTCCC AGCGTGGATTAAGTTTGGAGCAATTCCAGTCTGCACAACTACCCCAAAAAGGGCAAGCTG TTAGCATTGTTGAGCAGAATGATATTAGCACTAAATTAGAAAGGGTTTTCTTCATATCTC TCTCCTTTATAAGTTATTGTGTGTTACAACATAATTAGGATTTTTAATGCACTGATAGTA **AATATCCATTACTGTTTTGTTTTTTTTTTTTCTTCATCATTCTCAAAATAGATATTCAG** .TTTTACTAATGCCTTATCAAGGCAATTCATAATTTCTTGGTGTTCCTTATCAGTAGTTGT CCAGTTACTACTAGTACCGTACAAGGCTGTACCGACTACGACAGTACCTAATAAGGTAGT

AGCGCAAGCTGTTAGACAAAAAACAGATGAAAGAAACAGAGAATATTTAGAAAGCTTCTT TTTCATATTTTTCATTATCTTTTGTTTTGTTTTGGTTCTACCAGTATGGGTTTAGATTTGT TAATTGGCTTACCTTGAGCGTCATATTCAACTTCACCCCATATTTTTACATAGTCATCAA ATTCTTTTGTACCTGCTTTTGGCACCTCCGCAAAATAACTGCTATGCGAATAGCACAACC CCTTACATGTACCTTGTGTGTGTCATTGGTTCCTAGCAAGAAAGGTATCCATTTGTTCC CCACAAAATCTTTATCATGCACGATTGAGTAGGATCCGCTGTTATAAGTTTTGCCGTCTG CACCCGTATAGGTATAGCCGTTTTTCTGTAAAACATCGGCGTAATCATTCTGCACATTTG TGGCTGTACCATAGAAACGTGCTTTTCTGATTGGGGCAATGCCATTTTGTTTTTGATTGT TTACCCAATCTTTTAAGGAAACGCTTGCTGTAATTCCCCCACGACTGTGATTACTGGTAT CAACCGACCAGCCGTTACCCATTTTTGAACCTCTCGATAAATATCTTGATTCAGTTTTT CTGAATTGGTTTTGGGTAAATAGCCTTGGAACACTTTATTATTTAATTGGTCGTAACCGA CATACATCAGTTCAGAAACAAGACTTGAACCGAGCCATAAAAAATCTTTTATTTTGTTAT TAGAATCAGATTTATATTTCCCTGTTGGAGGATTCATGACTGCAATAACACCACTACCGT TTGTACTATTACGATTTTGTTTTGCTGCGTTGCTTAATGAATCTTCTCGATTATTGAAAA TACCAGGATTAGACACAGTAATAACTTTGCCATTTGTGTCTTGAATGCTTGCCAGTTCTT CCTTGCTTAAATCATTCAATGACCAAATTTGTCTGGTATCAAAGGATACTTTACCTGTTT TTTCATCTATTATCTTCTTATGGAACCACATTTCTTTAGGTGCAGTTGCAGACCTTACCG CTCTATCGGCTTGGGTTGTGGCAAACATACTCCAAGCCATATCAGAACTCCCTGCTCCCC AAACGAGTCCTAATCCTGAATCCTAGGCGGTAATGACGAAGGATAGTTTTACAAAAGTTT CGGCCTACAATTTATAGGTTTATAATAATAAAAATATCCATCAAAAAAATGTGATTTTTC TTTTTTTAAAAGTTGCATCTTGCCATTCTTGTAATCACATTCGTAATATTCAACATTTTT TTCCTCAAAAACTATCTTACTTTATGATAAAAAACAATTTTTTGGAAATCTGAATTGAT TATATACAGTTTTACATAATCCCAATTAAAATTCGTTATATCACTAATTAAGAATTCTTT TTTATTATAATTAAAACTTATTTTTCTTATTACATTCTTTTCAAATATAAAGAAAATAAC **AATAGTGATTAATAAAGAAAATATATAAAGTATATTTTATTCATCTTTTATCTTCTCCA** TTGTCTGGCTGAAATTTGTGCTCTGATTTGTTTTCTCCTCTGCTGAATTTTAAATCCGGC ACCAGTATTATCTAAGTGAATCAATATATTGCTTGTATTCTGGTAATCTTTTTCAGATAA ATTTTTATAAGTTTCCAGAATTAATCCAACTAACTCTTTTGTGTTTAACCTATTGGTATT TAATGAAAGATTACGTCTTATAGAATAATTAATTTTTTCCCCACTTTCATGACTATTTCC TTGAAAAGTTGAAGCAATTGTTGAAATATTAGGCTCTAATGTAGAGCCAGGATCTTTATG TACAGATCCAATTGCAATAGCAATTCTAGGGTGCCTAAGAGCAAATTTCACTTGCTCTAC AGTATCATTATTCTCCACCGCACTTTGCGCATTCAGGCTGCCTTGCGCTGCATCTGTTGC GCTGTTGCCGACTGCCGCACCCGTAGCCGTACCCAATACATTTGTAATCGCTGTTACAGT CTCTTTCTCTTCCGCCGTTAAGTCGCTTCCTTTTTCTTTGCCGTATAACCATTTGCTGAT GTAAGGCGCAGCCGCTTCCGACCCGCCCGCACTCAATGCTCCTGCTAGAGCATTGTTGTC TCCTACTGCGGCAACCGCTGCTCCTAATACCGCGTGGGCAAGAACGTGTGCGGTTTCTTG ACTGGCGGTTAGTTTACCATTCGCGTTTTGACCGGCTAAATCTTTAAAGTGCTGTCCAAT CGCATACGATACGCCTGGCGATGCGGTAGCCGCAGCGATGCCCGCTCCGCTTTGGGTCGG CGCAGCTAAACCTGAGGCTAACATGTTGAGAATGACTTTGCCTTGTTGCCAATTATCTGC TTTTGCTGCCGCATCTTGAGCTTCATGGGCTTTGCGTTTGGCAGTTTCCATATCGCCATT GGCTAATGCCTCGGCTGCTGTTTCGGCTGCTTCTTTGTCTGCTTTGAGTTTGTCTAA ATGTTGGTTAATCTCGGTATTGGCTTGTTGAACATTTTTACTAAAATCTTGGCTGACGGT TCTTTGTAAATCCAGTTCACTTTGCACCGCTTCTTTGTTGAAGGTGTTCTTCAAGCTGCC CGAATGTCGTTCGGCGGTGTCTGTGGTTACGTTTGTATCAATATCGGCTTTGGTTTGTGC CGCTGTTTTGCCTGTCAGCCGGATTTGTGCGGCTTCGTCGGTGATTTGAATGTTGCGGGT GTTGATGCCGCTTTTTGTGATGCTGCTTTGACTGTCGCTGTCGCTGCCATAACCCACTGA TGCGCCCTGTCCCAGTGTTTTGCCGCTTATGGACGCACTTGCGCCCAATCCAAAACTTTC GCCTTTGTATTGGCTGTGGTTTTTGATGTCGCTATGGGTGAGGGTGGCCGTCTGAAAGCG GTTTTTACCCTTGTCTTCTGCGCTTTGGGTACTGGTGATGATGCCGCCTTTGAGGTCTGT ATGGTTTCCGACCTTGATTTGATAGCCGTCTTCTCCGGCATAAATACCGCTTTGCTCGGT TACTGAAACATGGTCGGCTCGGATTTTGCTTTGGCTGTAATCGCCACCGGCACTGAAGCC ATAACCTACGGTAACTTGTGCACTGGCGTTTTGTTGTTTGCTTTGATAGGTTTCTCTATC TTGTACGCTTTGAATACTTAGGTTTTTGGCATTGACTTGTACGCCTTTGCCGCGTACTTG CGCGCCTTTGATGGTAGTGTCGCCACCGCTTTGGATAAGGGTTTGGCTGCCTTTGTCGCC GATATGGCTATGGCGGTGGTGATGCTGTCGCCATTGCCGTAGCCTTTGCCGACATTGCC GCCTGCGGTAACGCCTAATGACCAGCCTCCTTGTCCGAATGATACGGCAGCACCTGCGTT CCAGCCTGCCGATTTGTTTTGGCCGCGTTCGGTATTGCTTTGCTCGGCTGATTGGAGTGT GATGTCGTTATCGGCAATCAGGATTGTGCCTGCTTTGCCGGCAACATCTGAGCCTGCGAT GTTGATATTGGATTGTTCTGCTGCGCCTGTGGCGATTAATGTGGTTTTACCACCTGCTTG **AATTTGACTCGCTTGGGCTTGATTGGCTTGAACTTGGGTTGTTGTCGGTTTTGCTGTTC** GCCGTAGGTTATGGAGATGCTGACTTGTTTGGCATTGGTTGTACCATTGGCTAAGTTTTG TGCACTCTTACCTGTTTGATAGGCTTGCCAGCCTGCATTGGCAGCCGCCATGGCATTAAC GCGGTCGTTTTTGCTTTGTCCGACTTGTTTGCTGCTTTGTGCTACGGCAATCGCTTGTTG TGCCAAATCGGTAACGGGCGAACTGAATGCCACCGTTAGGCCTTTTTGTTCATAGGTTTG GGTGGTATTACTGTTTAATTTGTTGTGTGCCGCTTGAATGTCTATGCTTTGGGCATAGAT GGTATTGTTGCCTTCCGGGCTGGAAACGGTACTGCCGATTTGTTCGTAGTGTTTGCCTGC AACAATGGTGGTATCGCCTTTCAAGCTGCCTACGGTACTGCCTGTATGTTCGTTGCTTTG -GGATTGGTTTTCTTGTGTTTTGTCTTGCTGCCAATAGTGAAGCCGATACCTGCACTCAT CAATCCTGATTTCTGGGTTTGATGATAGGTTTCGCTTTGGCTTTGAGTTTGGGTTGTACC

AATGCGAACATGATTGCCTGCTTGAATCTGGGTGCCATTATCGGAAATAACATTGCTGCC TTGGGCGGTTTCGTGATGACTTTGGGCTTTATCGGTAATGACTAATTTATTGCCACCACC GCTTCTGCCTGTGTTTTGGACGCATCATCAACATGGGTCGTGTTGATGCCTGCGCTGAT GTTGATGTCATTTTTGGCAGACACAGCGAGTGTACCGTTTGCGCTGACTTCGGCAGC GCCGACTTCGTTCGTTGAACCGCGAATAACATGGTTATCGGCATCAAAATGGGTTGCTTG ATGTTTGCTGGTTTGTACCGTATCTAGGTTAATGTCGCGCCCTGCTTGCAGCCGGGTTTG CGCTGCTAAAACACCTTTTTCTTTGCCTGTGATATAAATACCTGCCATTCGGTCTAGGTA GGTGCTGCCTTGTGTATTTTGACTGCTGGCGGTGGTGCTTTTGGCTGTTGATGTTGTT GCCTGCGTTGAGCAATAATGTCTGTTCGGCAGAAAGCATGCCGCCAATATTATTGATGTC TTGTGTGGCCGTAACCGCTGATTTTTGCGCATGAATACGCCCACCGATATTGTCTAGCGT ATCGGTATTGATAATAAGCGCATTGCGCCCTGCAATCGTGCCTGAGTTTTTCAGGCTGCC TGAAACATTGATTTGTGTATTGCTGCCTGACAACAATGCACCTTTACCGTCTATGTCGCC ATTTTTAACGCGTACATAAACCTGTGGCACCAATACGGTTTGTGTGCCGCCATCAGGAAG CTTAACTTCTTTTTGTACCAACCAAACAATATCGCTGGTCAGTTGCGCTACTTGCTCGGC ACTTAATGCAATGCCAACGCTGAGATTCATCGAACGTGCCGCAGTCGCGCCATTATCCAT TAAGGCTTTAAATTGTTCTTCGTCGTTTTGATAACCGTCTAAACGACGATGCCCTGTCAG CTCTGCGATTTGTTCATTGATTAAACGTTGCTCGTAATAACCATCACCCAAACGTTTATG TAAATTGTTTGGGTCTAGTTTGAGGCTGTCCAGCATATAGTCACTACCCAACCATTGACG **GTAGTTGGCAAAGCGTGGATCGGTTTCAACAAGATAGCCTTTATTGACAGGATTGATAAT** GTATAAGCTGCTGCTGGGTAATGGGGTAAAAGAATTGGACGTATAGGGTAGCGAAATACC **GTTGCTTTGCGGCAACTCAGTGCCTTGGCTGGGCGCATGATGCCTTAATGCTTTGCGATG** CGATTCATAGGCAAATGAACCCAGTGAAATGTTGCGTGTGATTTCCTCCGGCAAAGTGTA ATTTTGTTCGCTATGTCCCGTTGAGTCTCGTCCTTTATGTTTCTCACGCCAATAGCTGTG TAATTTGCCATTTTCACTGAATACTTTCTTTTCGCCAAAGGTTTGCTCGTTATGCAAACC GTCTTTTTCTGTTTGTACAATGAGATTGCCACCAGCAATGATTTGGCTATCGGTATTAAA GGTAACTTGGGTTTTTTGGGTGACTTTTTCATAATCGTATTTATGCCAATTTTCATGCGC **ATGTTGCGTGCCTTCTCGCAATAATTCGTGTCGTCCAAATGCTTCGTAATCAACAATATG** CTCGCGCCCTGTTTCTACCAACTGCGTTTTCAAATGCTCATTGGTATTGTGCAGCTTTTC TACACCTAAACGCATTTTGCCTGCAGCTTCAATGGTTGCGCCGGCATTGTGTATCCTTTG GGCTTTGCCTGTGGCTTGGCCATTGGTATCTAATGCGCCGCCAACCGCCATATCGTTACC GCTGTAAATCAGACTGTTTTCACGGTTGTTTAATTGTCCGATGCCTAAATTCAGGTTTTC ACGTGCCGCAATGGCGGCACCTGTACCGTTTTCATCTTGATTGTCTAAGCGGGTAGCCGC **ANTAGCGATATTGTCGCCATAAATCCGACCTGTACCGATATTATTCATTTGCCCGGCTTG** GATTTTGGTTTGTTCTCCGTCAATCAAGCCTCTATTGGTTAAATTGTGCTGCGTGCCAAT GTCTGTCGTACCGCCGGATTGAATGTTGCCTTGTGCTGCATTATCAAGGTTATTTGCTTT **AATCCGAATGCGTTTTCCTGCTTGCAAAGTATGTGAATTTTTCAGGCTGCCTCGTGTACT** GAGCGACAATTCATTGCCCGCCACGATATTGCGTTCTACATAAAAATCATCTTGTAACGC **AATATCCAGTTTATTATCAGCGGCAAGTGTGCCGTTGTTGGATAACGATTTTGCCTGAAT** AGCAACATCACGGCCTGATTGTATCGTGCCATTCGTATTATCAATGACAGCGGTAGATTG CTGACCATCGTGAATAATCAGTTGTTGATTGGTCGCTATTTCGCCATTTTGATTGTTCAG GCTGCCTGAAACGGCTAAATCCGCTATTTCTGCTGATAATAACTTGCCATGAGCGTTATC CAGTTGATCGGTTTCAATCTCTAACTGTTGGCGTGTTGTGATGTTGCCATTTTGATTATT CAGGCTGCCGGCTTGAATGTGGACCGCATCACTGATAATTGTTCCATTGTGATTGTCAAA CGCCGAACCTTTTGCATTTAACTGATGAATGTCTATTTTGTCCTGCATTATTTAAACCTTG TTGCGCACTAACATCTGTTTGACCATTGGCAATAATACTGCCTGAATTATCCAGTGCACC ATGAGTGCGAATTGTCCCATCAGCAAAGGTAGGCGCAGTTATGTTTGATATAGAAACGGT TGCAGTACCCGTACCTGTTGCCGTTGTTGGTGGTAGTGGATGAATGGAAAGATGCATT GTAACTATTGCCGGTTTGATTGCTTGAACCATTTGACGCGGTTGGTGCGGTATCTTGTAA ACCCATGCGGCCACGGTTATCCATTTTGCCTTGTGCATCAATATGGAGTTTTTGTGAACC TGTTTGAGAGAGTTTGCCTTGATTATTAAGTGTGTCGGTATCAATAGCCAAACGAGCGGC TTCAATGGTGCCTGATGTTTCATTTTTCAGGCTGCCCGAATTGTGAATCAATATTTCGCC ${\tt CGATACCGCCGTACCGCTGTTTTCAACGCCCTGACTGCGGATATTGACTTTGTGTTCCGC}$ TGTATTATCCGTATCTTTCGCATTGGCGGCAGCCATCGTGCCACTATTGACTAAACGGCC ATTTGCATCAATCGCCACATTACCGGAAGAAGCAACCACCTGCCCTTGATTACGAATGCC TGTATCAATCGCAAATAAAGGGATATGTGTGCCGTTGTTGGCTGTATTGTTTGACGTATT GGCAGCAGCATTATTGAGAATAGGCGAATGTGCATTACCTGTTGCGACCACATCGTTTTG TCCCGCGACGACACGAACATCTTGTCCCCATACGGGTGCATCAATTTTGGAATGATAACT GAGAATACGTGTGAAATCGGTATCACGGGCATCCAAACCGTGTCCGGCGATTACAACATT GCCTTGCCTTATCTTAAAGCCGCTAAGGTCTCCTGCTTGATATTGCGGTTGGCCTGTCGT CAAAGTGGCACGGGAAGCATTGATAAAACCACCACCATTGACTGCAATCCCTGCCGGATT ACCTTGAATCCAACCGCCTAGCTGTGTTTGGGTGTTGCTGCGGCTGTTGTTTAAAATCGC CCCGCGATTACCCACATCAAACTGGGCGTATTGATTAACAGAAACCCCTGCCGAAGTAGG GGTTTGAATATTGACTTGCGGTATGCCGTTACCTGTTTGCAGAATCGTGGCTTGTTGAGT TTTAGGAGCAGCTTTATCAGCAATAATGCCATCAGCAAAAGCAATATTGGCCGTACCTAC ..AGCCAAACATAAAGAAAAGCCCAATAAAGAAAAAGAAAAGATATTTGAACGACAAACAGG TGCATGAGTAGTACCAAAAGGAACAGATTTCACATGAGCGCTGCCTGAATCACTATCGGC

ACAGCTTTTACCTTCGCGCTTGGTAGTTTCAGCAACGGCTACCACAGCCCCACGTTTGCG GTTGAAAATTACACGATAGAGAGTTTTATTCATGATTTCAGTTATTTGATTTTTATAGAG TTATTAGAAAAATTGGATAGTCTGACCATTCTAGATCAAGGATTTTGGCGAGTCAATTA CCGCCATTTTACTGCCATTTGTTTATTAAATTAGGGACTTTACTAGATAACGGTTAAAAA TCCCATTCGAACGAAATGGCAAGGTTTATACCGTCGTTGTCCCTAATGCGCAATCAGCAA CATTATTGCCGATTATCCGAGAGAAAGTTAAGTCTGATGGCATTGTGTATACGGATACCT TTCGTAGTTATGATGTACTTGATGTCAGTGAATTTAGCCATTTACGCAAGTTTTCCAGTA TTTGACTGGCAATTTAAAACAGTCGGATTTTGTCCCATTTGTTGGCCAAGTCTTTACTTG CTTGGCCGTTTGAATTTAAAAAGCAGTCTTTCTACTTTCCGACCTTTTTTTCTGTTGTAA GGTCTATAATCCAATAGCATTCCCAAAGAGCATTTTGGACGGTGGCGGATTCGCATTTGA AGTGCAACTTTCCCTAACAGAAAAAGGCCAGTATGCGGTAGCATACGGCCTTTCCTGCAA GAAAGATTGCCATGAGCTACACGCAACTGACCCAAGGCGAACGATACCACATCCAATACC TGTCCCGCCACTGCACCGTCACCGAAATCGCCAAACAGCTGAACCGCCACAAAAGCACCA TCAGCCGCGAAATCAGACGGCACCGCACCCAAGGGCAGCAATACAGCGCCGAAAAAGCCC AGCGGCAAAGCCGGACTATCAAACAGCGTAAGCGACAACCCTATAAGCTCGATTCGCAGC TGATTCAGCACATCGACACCCTTATCCGCCGCAAACTCAGTCCCGAACAAGTATGCGCCT ACCTGTGCAAACACCACCGGATCACGCTCCACCACAGCACCATTTACCGCTACCTTCGCC AAGACAAAAGCAACGGCAGCACGTTGTGGCAACATCTCAGAATATGCAGCAAACCCTACC GCAAACGCTACGGCAGCACATGGACCAGAGGCAAAGTACCCAACCGTGTCGGCATAGAAA ACCGACCCGCTATCGTCGACCAGAAATCCCGTATCGGCGATTGGGAAGCCGACACCATTG TCGGCAAAGGACAGAAAAGCGCATTATTGACCTTGGTCGAACGCGTTACCCGCTACACCA TCATCTGCAAATTGGATAGCCTCAAAGCCGAAGACACTGCCCGGGCAGCTGTTAGGGCAT TAAAGGCACATAAAGACAGGGTGCACACCATTACCATGGATAACGGCAAAGAGTTCTACC AACACACCAAAATAACCAAAGCATTGAAAGCGGAGACTTATTTTTGTCGCCCTTACCATT CTTGGGAGAAAGGGCTGAATGAGAACACCAACGGACTCATCCGGCAATACTTCCCCAAAC AAACCGATTTCCGTAACATCAGTGATCGGGAGATACGCAGGGTTCAAGATGAGTTGAACC ACCGACCAAGAAAAACACTTGGCTACGAAACGCCAAGTGTTTTATTCTTGAATCTGTTCC AACCACTAATACACTAGTGTTGCACTTGAAATCCGAATCTAAGGTCATCTGAAATTAAAT TTAGTTTTCAGACAATCTTTTTCTTCAATTGGAACGTGGAGTTACATTTTCACCTAAACT ATGCACGCTAGATTTATAGATAAACCATTCAGACAGTCCAATAAACATTATGGTTGGGAT TGTATAAAAAACAATGAAGGTTAATATGACAGATACAGCAAGTTGATTTTGAAATACCCA TCTGAATAAAGTTGATAATATCACTGGAATTAGAAACCATAACATAACTATAAACCCACC CCATAAACCTGAAAAAATTAAAAGGCCAAAAAATACTCCACCTATTAAGAAAATAGATTT **AATATTTTGAATAAGATAAATAAATATTTTTTTTTCATGGCTTGCATCCCTGTTTCTCA** GAATATCCCATAAGCTTACAACCATATTTAATTCTAGATTTGTAATCTAACATATTAATT CCATCCTCTATTTTTTCCTCTCATCTAAAGGATTTGGAAATATTGAAAAATATCTTATTT GATGTTACCCCTTTAATCAATGACAAATAATCCTTCTCATTACTCAAATATTTTTGGTGA ATAGGCTGTAATAACTTTTGCTCGCTTTTCAACTGTTGAATATCCCACTCCCTAGGATTA GTTTTTTTTTTGAACAAGTCTCTAAAATTATAAAATCCATTTACTATCAGTGCATTGCCT GACGCAGCCCTCCATTCATAAATTGGAGGATTACCAACAACTTTACCTGCCGCAAAAGTT ATATAAGAAGCTTCTCCGTCTGCCCCTAACCCAGTTATAGCAGCACGCGATACAAAATCA GCTCCACCAAACCATCGTGCTTTTGAACCCAAATTTTGCTCATAAAGATTGCTGGCAGCA AAGAAATCTGCACGATTGTCAATGGTGTTGAAATACTTGTCAAATCTTGTAGATGCCCCT TGTGAGTTATAAATAGCCAAAAACTTCTTTGGCAACCCGTGATACATCCGTAGGCATA TACTTCCACGCAGCAGGCATGGCAATATATTTAATAGACATATTAATGCCGTTTCTGCAA CCATCGCCCAATGGGTTCCTAGAACAGACTTTTTGAATTTCCGTATCAATTACTTTGCTA AATTGTTCATCCTTTTTGATGGCATTTACTTTTTCCATCGTAGTAGAACAAGTTTTACCG GAAAGGCATTTTGTCAATTTATCCATTCTTTCCTTGCTAAGCGCATTACTCTCTACCGCC ACAGCAGCCGCATTCGCCGCAGCATTCACATCCCCCTTACTCAACGCCGCAACCGTCCCT GCTGCCAGCTTCGCCTTAGCAATGATTTTTGCCCGGTCTTTCACATTCAGGCTGCCCGGG TCCTGACACTTGCCCTTATTCGCCGCCGCAGCCGCACAGCCCGCTATGGCATGGGCAATC TTGTGGGTAATGTAGTGCTGATCCAACTGTTTGATTTTACTGGCTGCTTCTCCATGCGCA GTATTCACCAAAGCCGCAAGGATATTCGCTTCCAGATTGTCTTTCAGGCTGCCGCCGTTG ACAGCGGTATTAATCAGTGCGGCACTGCCCGCATTGGCCAGGTTGACGGTCAGGTTGTTG ATCCACTGCTTATCGCTGACATTGTTCAGTGCCGAAGCACCGATTTTGTCGGCTACGCCT GCGGTAGCGACGGCAACCATCAGATTTTTCACCGTGCTGCTTCTGCCCCAGCTCTTTCAGG GCGAATGCGGCATCGGTTGCCGCTGCGGCCGCCGTTTAAGCCCAGTGCGGCTCCGGCT CCCGCGCCCCAGTAACCACGGTAACAGCCAGCGCAATAATCGCTGCTCCGGCTCCGGTT **AAGCCTTCCTGTTTATAGTCCCATTTGTCGTACGCCAGTTGTACCTGGTTCCAGTTGACG** CATCTGGGCAGTATATAGGGAATCTGAATATTTACTTGCATAACAAATGCCGTCTGAAAA CACACCTTACGCATGGATTTTAGGTTTCATGCAGGCTACAGCTTGCTGCTATTCATCAAA TTGCGGCCATTGAAAGTCTGTTGTTTTACTTTCACCTCTCAACAGTCTAATCATATCGCT TTTGAGAAACTCAAAAAATTTTTAATATTACCAACATAGAGCATAGCTTCACATAGTGA ACTACATGCAGATTTAATGTCTTCATTGTCAATAGCATATTGATATTCCTTCATATGCTG AAAAAAAGAATCAAAGTCTTCTTAATTCATCATTCCAATCAGATGAATAGTTAGAAAG CCATTGTAAGTCAAGAGGATCTTCACTATTCAATTTTTCAGTTGTGGCTTTCTCATAAAG - CATCTGAATCACCTTATTTAAGATTCAATTTTCGCCGTTGCCCTGCTAATGTCTTAGCTT AATTTTGAGCGAGTTTTAGGTTTCATGCAGACTACAGCTTACTCAGCACACACGAGTCTA

AACAGTATACAGGGAATCTAAATATTTACTTTCATAACAAATGCCGTCTGAAAAAATTGA GCTTTTCAGACGCCATATGGCCGTAAATCATGGAACGCGTATACTGAAGCCCACACCTTA TGCATGGGTTTTAGATTTCATGCAGGCTACAACTTGCTTTCTATTCATCAAGAGATGGCC ATGAAAAACTATTCTTTTTATACTCAGCACTCAATAATGTTGATATATCAGTTTTTATTG CAATTTTGAAATTTTTATCGTTTAGGGCTAATTGGCATACTTCCATATAATCTAAAAAGT TTTTTAAATCCTCCTTAAATTCATTATCCCAATTCCCGTCTGAAGTATAATCTTTAATCC ATTTCATATTAGCTGTTTCATGATTAACTTCTTCTGATACTTTTGGATCTGTCAAATCAA AATTTCCTATTTTAAGTTTAATTTACGACCTTTTGCTGCCCCAGTTTTCATTTGGTTAAG CGAACCATCCATATTTAGAACAAACTTAAAGTTCCCATTTTTATCAAAAACCTCTAAATG **ATTTTTATGTTGGCCATCTAAATAAAACCTATCACCGGTTTTTAATAACCCTTGGTTTCT** TTTTACCAAGAAGACAGACTGCCCTTGCTGCGTCGGAAGCGTTGTCTTTTCTGAAATTTG AGCCAGCTGTTTTCCAAAAGGATTATTTTCATGTATGTACTCATATTCGGTACAGCACC TTTATTAGGGATATAAGGACGATTTTTTTTTAAAACTTCCTTGACCTTTTGTGCCGCTTC CCCTTTATTAGCGCGATTCAGCTCTGTTCCGACGACAATATCAATAACGGCTTTGGCATC GTTCCAATCCAATGTTTCGTCGAATAAGGTGGTCAGGTTGTCGGCTAAATTATAACCTTC GTCTTTCAACGTCTGTTTTAAATCTCTAACGTTGATTTTCCCGTTTTTTTAATCCTTTTCT **GGCTACCTTATAAACCACTTTTGCAGCAGTTACAACAGCTTTAACCGCATTATTTTCTAC** CGCGTTTTGTGCGGTTTGTGCAGCAGTATTGACATCTCCTCCCGTTACGCCTGCAACTGT ACCTGCCGCAAGTTTGGCATAGGCGGTAATTTTCTTAACTTCCAGATCTAATTGTTCCGG GGTCATATCGCTAAAATCGGTATTTTTAACCAAAGCCTCCCCGACAATCTCACCCACAGC CGCACCGATCGCGCCGTCCTGACATTTGCCCTTATTCGCCGCTGCAGCCGCACAGCCCGC TACGGCATGAGCGATTTTGTGGGCGACATAGTGCTGATCCAGTCCTTTGATCTTACTCGC CGCCTCCCATGCGCGGTATTCACCAATGCCGCCAGGATATTTGCCTCCAGATTGTCTTT CAGGCTGCCGCCGTTAACAGCGGTGTTGATCAGCGCGGCACTGCCCGCATTGGCCAGGTT AACGTTGAGGTTGTTTACCCAAGGGGTTTCGCTCCAAGTGGCAAGGGAAGAGGCACCGAG TTTGTTGGATACGCCTGCCGTTGCCGCCGCTACAACCAGATTTTTTACCGTGCGGCTTCT GCCCAGTTCCTTCAGGGTTTTGCCGACATCGCCTTTATTGTTGATGAGCGATACGGAAGC CTGAGAAGCGAGTGAGGCAAAGGCGGCATCGGCCGCTGCTGCGCCCGTTTAAGCC TGCACCGGCTCTGGTTAAGCCTTCCTGCTTATAGTCCCATTTATCGTAAGCCAGTTGCAC CTGGTTCCAGTTGACGTTTTCGCTACTTGGAGCTGTTTCAGATAGGCATACTCGGGCTG TTTGGCCAGCTTTTCGATTTCGGTTTTCAGATTGCCTTTGGGGATGTCGACAATGTAGCC GCCGGGAGCAGAGAGTACGGGCGCAACGGAGCCTGTGAAACTTGGCAGTTGCAAGGTTTC GATATTGCTGCCGCGTCCGGCCTGTTTCTGCCAGAGGGCAGATTTGCTACTGCTTACTGT TTCAGTGCGCACACTACTTTTGATGCCTTCAAGAATAATCTTGGCATCTGCTCGTGCCTG ATCGCCTACACCTGCACGGATGGCTGCGCCGCCCAGCGTGGTTTCAAACTGGGTGCCTTG CAGTTTGGCGTCCCAGCCTGATTGCAGGTTGGCCGATTCTGCAACTACCCTTGAGGGCAG GGCGGTTTTCATGGTGTGGGTGGTGTGTCGTGCACCTTGTCGTAGGTAATGCCGATAAA TTTGCGCTTGGTACGGGTGTCAAGTTTGTCGTAGTTGAGATCTTCCACGGCATAGAGAAC CAGCCCACGTCCGGCTTCGATTTTAACGGAGCCGCGGGGTGCATCAAACAAGGTGGCGTG GGCACCGATATTGCCGCCGGATTTGATTTCAATACCTTGTGACGCACTGAGGCTCACCGG GTCGGCTTTGGCGTTTTTATGCTCTTTGATTTCAGTAACATGTTTTAGTTTGTACCACTT ACCGGTTTTATAGCTGCGTTTATCGAAGGTGTAGAGCTCACCCTGTCCGGCGTAGTAGAA CTGGTCGCCGTAGGATTGCAGTTTGATTTTGCCGTTTTCCGAACTGATATCCGTGGTGCT CAGCAGGATGCGGCTGTTTTCATTGGCATACGGCGCGCTAATGCTCACACCGGTTTTACC AGAGAATCTGAATATTTACTTGCATAACAAATGCCGTCTGAAAAATTGTGAGCTTTTCAG ACGGCATTGAGCCGTAAATCATGGAACGCGTGCGCGCTGAAGCACACCCTTACGCATGG **ATTTTAGGTTTCATGCAGGCTACAGCTTGCTTCCATAAATCATTTTTATCAGAGCTCGTA** GGTACGGTTAGCCGCCTTTAGCGGCGTAACCGTACGAATGAAATGCCAAGTTGCAAGGCC GTCTGAAAAAGTTGAAAAACAGATTTCAGACGGCCTTGTTATTTTATAAAGTTTGCTGAT ATGCGTACGGTTACGCCGCTAAAGGCGGCTAACCATACCTACGCTTGCTCATAAATATCA **ATATTCGGCAAATCGGCCAAATCTATTGGACACGCAATATCCCACCAAAGCCATTCTAAG** TAATACCAAGGGTCTTCAGGCCATATTGCTTGGGCATCTTCCAAAGTAGGCCATATGTCT TTCAATTTCTGCACTTGTTCTTTTGAAGTTCCAGTTAGAGGAATTCCGATACCGTCGGTA TAATCATGTAAACGGATTGAACCGTCATTTAACAGTTCTTCCATAAAAGAACAGAAATTG TTTTTTAAGTTTTCATCTTGAATATTAATACCCATTTGATTTTTATAAGAGTTAAAAATT **TCCTTTGTAAATTATTGGAATTTAAGCTCCAATTTAGTACCTTTAATAAATGATGGAGGA** TTCTGCAAATCTAATGTCCATCGTGCTTGAGTTGAATTCTCTGTTTTTGAAAAATTTCTT **AATGCAATTTTTGTTCCTGCCCATTCTCCAGTACTGATAATGCCATTTGCTAATCTTCCG** TCAGGCAAAACTCTAAAATTCGGATTCTGGCCAGTCATCTGCCGATAAAGCGCAAAAATC TCCTGTTCGCTTACGCCGCTGTAAACGGGTGCTCCCTTTAAGCTTATGGCTTGTACAGGT TTCCTTACTCTATTGTTAAATCCCGTCTTCCATGCATCCAGTTGCGTATCGCGTTGGGCA ATACGGAATAAAATCTGCTGTTCTGCTTTGGCTAAATTTGCCAAATTGTTTATTGTTTCT TTAGGAGCAGCTTGCTTAGCCGCCTTCGCTTTCGACAACGCCCCCACAGGCGCTTCCCAA GCGTTGCCTACCGTTACCGCACCCGTGGCGATTCCCGCGCCCGCTTCGGCAGCCTGAGTG ACCATGACAGTACAACCAGAAGGATTAGCCATGCAGGTGCTGATAGCTAATTTACCCGCT GTACCGATCAGCGGAGCTGTCCAACCTGCAGCATAAACCCCATAGCTGGTAATCACAATC GGGCCTGTGATGCCATTACGGATATTGCTTATCCAAATGGCAGCATCCTTATCCTGCGGA TTAGTCATCGCACCTGCTGCATGTGCAGGCATAATACCTTGGATAATTTTTTCCAGTGCG GTTTTGTCGGGCTTCTGCGGTTGATGCTTTTTCGCATTGGTAGGGGTACTGTCAAAATTC

AAAGCATTATTCACTACCGCCACCTCAGCCGCATTCGCCGCAGTATTCACATCGCCGCCG TTGAGTGCCGCCACGCTGCCGGCAATAATCTTCGAGTAACTGATAACCTTATGCTTTTCC GCATCGCTGAGTGTAGCAGGGTTTCTGCCGCCAAGCATGGAGTCGGCTACGATTTCCCCA ACTGCTGCGCCAATTGCCCCGTCTTTACATTTTCCTTGTACCAATCCGCTAACACACCCA GCCAAAGCGTGGGCGAACTGTTTGGCAACATAATCGTCGCTGAAGGTTGTTTTGATTTTG CTGGCGGCTTCTCCTTGGAAGCTATTAACCAATGCTCCTAATGCGGCATTGCCTAAGTTG TCTTTCAGGCTGCCGCCGTTGACGGCGGTATTGATACCAGCTGAGATACCTGCATTACTG AGATTGGTAGCCAGTCTGCCTCCAAGGTTGGCAATAGTTTGATTGCCCGTACTGCTGAAC AGTTCGGTTCTTACCTTGCTGTTCAATTGGGCAATATCTGCGCCCATCTGATTTAATGCA CCCGCCGTCAGGGCAGAAGTGACAATCTGCTTGACCGTATCACTGGTGCCGAGATCTTTC AACGCTTTGCCGACATCACCTTTATTATTGATGATGGATACAGCTGCTTGGCTATACAAG GAGGCTAAAGCAGCGGTTTGCATGGCAGTCGCTGTAGAAACGGTAGTAGCTGCTGCTGTC GTTGTGGCGGCTGTTCCGGCAGCTGCGGCTGTACTACTTCCTGAAGCGGCTACACCGCCC GCTGCGGTTGCGCCGTATCCATAAGTCAGTGCGGTTACGATTATGGTAACAATCGCTGCA CCGGCTCTGGTTAAGCCTTCCTGCTTATAGTCCCATTTATCGTAAGCCAGTTGCACCTGG TTCCAGTTGACGTTTTTCGCTACTTGGAGCTGTTTCAGATAGGCATACTCGGGCTGTTTG GCCAGCTTTTCGATTTCGGTTTTCAAATTGCCTTTCGGAATGTCGACGATATAGCCACCG GGGGCGGTCAGTTTGGGCGGAGTAGGGCTTTCGAAGCTGGGCAGTTTCAGCGTTTCGATA GTGCTGCCGCGTCCGGCCTGTTTCTGCCATACGGTTGAGTTGGTTTCTAATTTTTCTTCC GACTGGATACGGTTCACAATGCCTTTGAGGATAATTTTCGCATCGGCACGGGCTTTTTCG CCTACACCTGCCTGAATGTCCGCACCGGCCAGCGTGGTTTTGAATTCGGTACCTTCGAGC ACGGTATCCCAGCCTGAACGGGTGGCTGCAGTTTGGGCGACGACGCGACAGGCAATTTG GTTTCGTTCAGTTCGTTTTTACTGTAATTGCTCTTGCCTACCTTGATGCCGATAAAGCGG CGGCTTTTTTGGACATCCAACTCGTGCTTGTGGATGCCTTCTTCTGCCAGCAGTTGCAGC TCTTCACCCGCAACCAGGGTAACTTTACCTGCAGGGGCATTGAAGCGGGTGGTATTAGCT TCGATGTTGCCGCCTGCCTGAAGCGTTATGCCGTTGGCGGTCAGCTCGACGGGGGCTGGC ATAATCAGGTGGTCGCGGGTGCTGGTAAACTTGGTTTTTCTGATGATTTTTGCCGCTTTTA CCTTTGGTTTTTAAGAAGGTATAGGCATCGTTTTGTCCAGCCTCCAGTACAATATCACTA TGGGCTTTGATGTCTATGCTGCCTGAGGGAGCTTTGATTTCGGATGCACCGATAATAATA CGTGCATCATCGAGTGCCGCAGCTGCATGAATACTTACCCCTGTACGTCCGGTCAAACGT GAAGGCTTGTTCAGAGCAGCTTTGTCGTAGTGACTCTTGTAGGTGGGCTTGCCAATTTCA TATTGGTCGGTTATGCCGTCAATCAGAATAGCAGCCGCCTCTGAATCTGCTGCCTTTGGC AATACGCCTGCGGCGTGAAGGTTCAGTTTTTTGGAAGCGGTAATATCGGAACCGCTGATT TCGATGCCTTGTGCGGAAATCAAGTCAATATTTTGTGCAGAAAGCTTGGCTTGCAGGTAT TCTTTGCCTTTGGGTTTTTTACCTTTAACTTCCTTGTTGATGGCTTGAATATAGAAAGCG AACTGCGCAATCTGCTGTTCCAATTCTTTGGATTTTTGGTTGAGTTCAGCCGCTTTTTGT GTAGGAAAATAATTGCTGAATGAGTTGTTTACGGCTTCGATATTCAACTTGCCTTTGGTG GTGGCGACAACCAAGTTTTTACCGGCTGTAATTTTAGAACCTCTTAAATCTGTTTCTCCT GTAACCAGACGGATATTGCCTTTTGCTTCCAATGAGGAAACTTGAGCACTAGGCGCACCT GCATTTCCTCCTTTTGCAGACAACAGCAATTTTCCGCCTGTTTTGATGCTCAGGTCGGTA TGCGCACTGATGCGGTTGGCAGGTTCGATGGTTAATGTGCCGCTACCTGCTTCAATATTC AGCCGTCCGGCCAATGGTTTTAATTCGGCATTATCTTCCAAAGTTTTGGTCGAAACGGTA CTCCAATTGATGTTGCCGCGCTTGACTAGGGCGGTACCGGCAGTAAGGTTGATTGCACCC GCTCTCAGCGTGGTGTTGTCGGCAATTTGGGAATAGCGCGCATTGAGTGCCAATACACCG TTAGCCACCAGCTTGTTGGCAGAAGGCAGTTTGTCGTTTTGCCAAATCTGGCTGCCGGTA ATGCTTAGATGACGGTGTGCGTAGGCATCTACTTGGTTGAGCGTTACCCGCTCGTGTTGT GCATTAAGATGCGTATTATGGGTAGACTCCAGCTTGGTATTTTCTATGCTCAATGCCCGG TCGGAATGAATGTTCAATGCCCCGCTTTTGGCATGGACGTTAAGGTTTTTTAAGTCGGCA TCACCAAGCTGAATACCGTTGCCGGCAACCAACGTAATATCTCCTGAAGATGAAGTGATA TTGGTATTGTCTGCTTTCAGACGGCCTTTACCAACCGATCCTGCATTGACATCGGCCTTG GCTGTCAGGGTATTGTGACCGGTAAAGTCGGCATTACCGTTGGCCAATAAGGATACATGA CCGTCTGCAGAAACAGCATGAAGGCCGTCTGAAACGATATTGCCCTGCAATGCGGTGGTT TCGAGAGCCTTGGCTGCGTTCAGCTTGGTATTGCGAAGCTGAATATTGCCTTTGGCTGCC TGAATGTGCAGATTACCCGAGTTGGTACGCAGATTGGTATTGGTAACATTCAGCGAGCCT GCCTCCACACCCATGTCTTTTGAGGCAGTGAGGGTTTTACTGGTGCCGGTAATATGGGCA GCGTTATCCGATTTCAAATGGATGCTGGCGGCAGACAAATCTTTATCAACATTCAAATTC AGATCTTTACCTGTATGAACATACAGATTGCCGGGAGTATTCAGATTGGTAGTTTTGGCA GTAATGTTATCGTCTGCCAGTAAAGCAAGCTGCTTGCCGCCCTTGATACTGCCTCCGTTT TGTGCGGTGTCTTTGGCATCTATTACGGCGGAACTGCTGATGGTGCCGTTGGATAATACG GTAACATCTGCCCCGGTAATGCGTGTGTTATTGCCTAATTCGGCGTTGCCTTTGCTGGAA CTGTATACGGTAGTGCCAGTCTGAATACTGGCCTCCTTGATGACGGTACGGCCGTCGGCC GACAGAGTAGCCGGGCCTTTGGCATTGTTCACATTAGTTTTGCTCTCAATCACCAAATTA TGACCAGCATTTAATACCGTGGTAGCTGGGCGACTGCCGTTATTCTGCACCACGGCTCCG TTACGCAAGCTGATATCTTCTCCCGTCTCAATAACCAATAAGCCTTTGCTCTCGATCCGA CCACCATTGGAGATAAATGTGCCTGCCGCTCCTTTTTCGGTGGTTTCGATGGAGAGATAA GTCGGTGAAGCTTCGGTGCCGTCGGCAGTGGTGGCGATGCGGCCGCTGTTTTCAATGCGG CCTGACGAAGTCACAATCAATTGCTTGGCCGCTTCGAGTGTGCCGGCATTTTTGACGCCT ACGCCTTTTTCATTGGCAATCAGTGTGATGCTGTCGGCGTACATACCGCCCAGTGCGGCA GTATCAAGGGCAATAGTCGGTTTCGTACCCGCTGCCGTACCTGCACTGATTTCGCCGCTG GCGTAATCTACTTTCTGAGGACCGGTAGAAACCGCCAGGTTTTTACCCTGTAATTTCCCC -- TGCAAAGEAACTGCACGAGCAAGTACCCCGGTGTAGTCGGCCTCCGCCTTTATCATTCCAA CCTGCTGCTCCTACGGTCAATGTGCCTTGACGCACATCAAATCCTGTCAGTGCACCGTCT

CCATTAACGGTAATGCCGTTGGGGTTGGCAATAATCACGTCGGCCTTTTGACCGCCTACG GTAACGATGCCGTTGAGTTTGCTAGCCGTACCGCGTACCTCGTTCAAAATCAATTGCGCA CTGCCTTTGACCACAAACGGATTATTGTTACGGTCGTTGTTTAACACTGCCCCTTTGTTG TCAACATCAAACTGCGTATAGCGGTTGTGGCTCAATCCGCGTCCATTCGGAGTTTGGATA TTCACCAAGGGGGCACCAGTGTTGGTTTTAAGGATAACGACCTGCTGGTTTTTAGGTGCT GATTTGTCGGTGGTAATTTGGGCATGGGCAGGCAATACCATACTCAGGGAAACCAAAGAG CAGACCAAAGTTTTAAGGGTGGTTTTGAGTTTGCCGCAAAGGTCGCCTGAAGTTTTCAGT GAAACAGAAACCGAACTGCCTGCCTGTTTACCTTTGCCCTGGCTGTTGGCAGTTTCGGCT ACTGCAACCATGGTGCTGTGCTTTTTACTAAAGATAATGCGATGTAAACCTTTATTCATG TCTATTCCATTTTGAAGATGAACGTACTGCGCGCCAAGTACGTAGGTAAAGTTTGACGGT CTGAGGATAAGGAAAGACCGTCTAAATATCAGTAAAAAATTCAGAGGTTAGAAACTGTAA TTCAAGTTGAAGCCGTAAACGGTGTTGGTCGTCTGAAAGCCTTTGGGTTTATGAAGCGGC TTGCCGGCAAACAGATCATAAGCAAACATACCGCCTACTTTATGCCCTCCTCTGAAGCCG ACCACTGCACCCATCAGCTGCTTGCCCGATACATATTGTGCACTTTCGCCAGATACGCGG CCATAGTCCGCACCGAGATAGAACTGATGGTTCGGATGAAAATACCAAGTTAAAGTATTC TGCCAGTAGAAACCTCGCTCTCCGAAAAGACTCTGCTCCCCATCAAATCCGCGAACGGTG TAGCGGCTGCCGATTGACAATTTATCTTGGGCAACCAACGGCGTTTTGTTCCATTGAGCT **AAACTGGCAGTAATGATTTTCATACGAGATGTACCTGGAAGAATATCGCCGCCGTTTTCT** TCCGGTGCAGGCATACTTTGGCGCATGCCGGTCCCGCGTTTGTAAGACAACTTGCCGTCA AGCTGCCAACGGTTGAGGTAAGCACGGTGGCGCAATTCGGCTTCCCAGCCTGCAGAGCGG CGGCGTTGTACTTCGATTTCGGCATCGTCGATGTATTTATAGGTTTGGCGTGTCCATAAT TTCATTCCGACTGAAGTTTTATGAAGTCTGTTACGCCAAAGCATGCGCTCGGCGGCCAGG CTGCTCTGATATTGTTTGCCGTTGTAATCGTAATTGACGGAATAGCCTTCGGTTGCTTCG TGGTAACGATGTCCATTGTGATTAAAAGAAAACAGCCATTTTTTTACGGGCACCGAATAA TGCACGCTGTAACTTCTGGATCCGCTTTCAGTTTCCGTACCGGTGGCATCAGTCAAGTCC GTTTTGTGCGCCAAACCGCGTCCATATGAAACATAAAACAAATCGCTTAAGCCCAAAGGG TCTATACCGATACTGAACCGTATGGGTTTATTCTGCTGCCATTTGATCTGTAAATCGCTT TTGCCTTCTTCTTCGGACGGTATAATCTGAATATCTGTTTTAACACTCGGCAAACGACGC AGGTTTTCCAAGCCCTGCTCTACATCGCGAAGATTGAGAATTTTGTTCCTATATAAGGGA AATTTGTTATTGAATGCACTAATACTGCCCTCGGCAGACTTCCCATCCCGTTTTTCTTCA TAGCGGATATCCCCTATTTCGCCTGCTGATACCCGTAATTTCAGAATTCCCGAATCCATA GCGGCTTTTTGTAGCCTGCTCAAATTATTGGAACCTAAACACATCCCAGTTTTAAAAAGCT GTTTCTTCATGAGCACAGAAGGAAGAAAAGAAAATTTGCGCACCGTCTTATCATCTAAA CTAATGTAATTTACCCGAGTACACGGTGTTTCATCTTCACTCAGGACATAATTGTTCTTC TCCAATGGTTGCTCGAAACGGACATTTGCATCAGTTAACAATTCAGCATCTATGTGCTGC TGACGCTGCATGGAACGGATAAGTTCTGCATCGTTTTCATCGGCAGCTAAGGTTTTAAGG GGTATGACAGCCAGGATAACCAACAGACATGGAGCAGGAAAAAATTTCATGACATCAATA TTATTTTAGCAATATTTACTATTTTGTCATAAATTTAAAAGTATTTACAGTTATAGAATG AGACCTTTGCAAAATTCCCCAAAATTCCCACCAAGACATTTAGGGGGATTTTGGGGGAATTT TGCAAAGGTCTCGGACAGTATTTTGAACGCAGTGCGCGTAAATTCGTATGGAAACCATGA AATCCCGCCACAGCCGCCAGACATGCCAAGCCGCATTCTGATATTTCTGTTTGCAGGATA ACAGGCAGCTTTTTCTTTAAGCCCAAAGACAGGTTTTGCAGATGGGGCATAGATTTCCTT TTTGAAAAATAGGGATTAGGAAGTTGGATGTATTTTAGAAAGGCCGCCTGAAAAGGTTTC AGACGACCTTTTGCGACTAGCTGCTATTTTATTTAAAGCTTTTCTCTAACAAACGAGCTA ATATTTTCCTGTAATAAAACAGATAAAAAACAGCATCCAATACGTCAGATTGGAAAAAT CGGTCGTATAGAGAATCAACATATAAAGAAGCAGCATGATGCCGAGTGCGATGAATTGAT **AATGTTTGGCAAACATCATGACCTCCTCAACTATTAAGGCAAACCGCCTGAATATTCTCG** TTCAATCGTTTCGGCAATTTCCCTATAACGTCGATACCATGACCAGTCGAAATTTTCAAT GGCATGGCTCGCAAACGTACCAAATTCAGGCATCCCTATGCGGCTACCTGCTAAAGCTCC GATTGTAGCTCCCCAACCAGGCGGATTACTGAACGTATTGTTTGGCAATCCTAAAGATTT ATCAGGATTTCCCGTATCGTTAAGCCCTGCAGATTCGCAAATTTCGCAATAATATGAGCT TTGTTGCGCATTACCTGAGCCTCCGACCCAAGTCATTTCATGAACACATATAGTGGATTA AATTTAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATGGTACGGCAAGGCGAG GCAACGCTGTACTGGTTTAAATTTAATCCACTATAAAACTCTCATTTTGAAACTCCTTGT ATCGTTAATCAAACAATCAAAAGGGCAGATGCCCTATCCTTGCTTTTACAAACGGAGTGC CTGTAAAAGGGGATGGTTTCAGGCAGTTTTGAAGTTTGTGTTTTTATATATTGTCTTCTG GTCGTCTGAAAAGGTTTCAGACAACTTCTTTATCTTTACAGCCTCAAGTCTTACAGTTTG CCCGACATACTATAAATCAGCTCCAATACCCATTCGTACAATCACCGTTTCTCGTGTAGG ATGTCTGCTTCCAACGTCATGCCGATTTGCAGCGGTTTTTCCTCACCGTATGCAGTGATG GTTGATTTGTCGGGTTTTATTTTCACAAGATAAACAGGTTCGTTGCTCTTCGCCAAATCG GÁGGATACCATGCCCAATCCCGACAATTCCTGTCTGCCCAGTGCCGTTTTTGCTACTGAT ACGACACTGCCGGAAGCAAGCCCGAATTTTTGATAGGGATATGCCTGATAACGTAGGACA ACCTTGTCTTTCGGCTTGATAAAGCCTGCTGCACTGCTGGGGATATATAGATGGGCATAT AGCTCGGTACGTTCGGGAACAATGCTCAAGAGCAGTTTGGAAGGATCAACCTGCTGTCCG ACTTCGACGTTCGGTATTGCTATATAACCCGACCGTCCTGCACGGATGATTTGTTCAGAG CGCATTTCAAAATCCAAAACTTCTTGAGAAATATCGGCAATGGTGCGTTCAAGCCAGCTT CTGAAGCAGCCCGACTTCTTCTCGGCGGTAGGCATCAAGTTTGGCTTTCTGCTCTAAAAG CTCTGCCTTGACATTCATCATTCTTGTTTTGGCACTGCATCATTGGCGGATAGGAAACG ATATTTCTGCAACATTTCTTCCGCAAGTCTAATGCGCCTTTTCTGACCGTCTATCTGTTG CGAAATATGGAGTTCCTGGTTTTCCAAACGTTCGACAGTTGCTTTAAGGCTGCGCGTTTC

ATTCCCGTGTAT CAGCTTCAGACGACCCAGTTCCTGTTCTGCCAACGTTTTCTTCAAAAC TGCCTCCGTTTTCAACTGCTGCTGCACGCTACCTCCTGCGCCGAAACGTGAGGTCGAAAG CGCAAATAGCTTGTCGCCAGCCTTAACCTTTTCTCCATCTTCCACGAATTTCGCTGTAAT TGTCCCCGTATCCGGTGCATACACCCTGATTACGCCCGATGCAGGTAAAATTTGTCCCTC CACTGTTGTCTTTCGCGTATAGTTACCAAATATCAAAAACAGGATAATCAATAACGCAGA TATCGATGCAAA TGTCGTCCATAGGGAAAATGACAACGGTCGTGTCAGAATCACTTTACC CGTCAGGCTGGTTTGGCGGGCAACGGCGACTTCGGGACGGAAGAAGGGTTGCTTGGGTCT ATTCATAAAATTGAAGTTAAGAAAGTTTCAGACGACCCCTAGAGATTGTCTGGACGATGA GAAATATCAGCAGTAATCTGTACCGTCAGTGTAGCCGTTTCCTGATTTATCTGCTTTTGT TGCGGGAGCAGTTAATCCATGTTCAATCTCAAAGATTGGTCTTCCGTTATAAGGAGGTGC ATTAACGGCATCATTTACCCAATTACGAGTCACATTGTATACACCATTTGCACCAGCAGC ACCGTAAGCATTTTTCGGCAGATAATAAACTGCCGCTGCGGCAGCAGGTATTGCAACCAA ATCCCCCCATGTGGGACCTCCTTTGGTTGTGGCAGCATTAGCTACATTTCCAGCTATATT GTCTGTTACAGGACCTCCCCTGAAACCAGCTTCAATTCATGAAGTTGAAGTTCAATCAT TTTTATACTCCTTTTCTTGGTTGGTATTCCTAAAAATTCGGCTAACAAAAACATATGGCA GATATATTGAAAAAAATTCAAAGTACCCTGAATAAAATTCAAATTCCAACTATATTTGT TAATGTAGTCGAGAAGAACATATCTGATAAAAAATATAGCACTTGATAACAAGCTATTA CTAATATTACGAAAAATGTAAATTGCTTCCAGTTTTTCATAGAATCCCTCACAAAATTTC CAGAAAATCTAACTCTATCAACTGATAAATCAACTTCCTAACTTCTTCATATTTTCCCTG ATTGAAGTTAACCAGTAGATTTTTCAACAATAACGGTTCATTCTTACCGATGTGTTCTAA CACTTTTTTCCCCAACTCATCTACGCTTATCTTCATCCCATTCCCAATCAAATATCCCTT TTCCAACGTATCCAAATTATTGGCATTTAATCTCAACCTGACGTCGTCTGAAAGCGGAGT AGCGTTGGGATTCGCGAACTGTTCGAGATGAAAAGCGGTATCGGTACGTTCTTTGCCGAG AAAGTCTTCACTGAAGGCTTCATAATTGACGGGGTCGGCAATCATGGCAGCAATTTGTGC GGCAGTATCGTTGATACGCGTCCTATCTTGCTCCCAGTCTGAGAAACTGTGGCGCAGACT TTCTATGGTGGGAAATTTCTTCATTAGCCACTCGAGGTAATTATAGCCGTTGGGTGGAAA GGTACCGACAGCGAAGTGGAAGGTTTCACAGCCGAGCGGGATAGGTCTGTGCCACCAACC GCGTGGGATGTAGAGGACATCACCTGCTTCAAGGATAATATCCATATCGATATGTTCAGG AATGGAAATATCAGTATCTTTAGTCTGTTGCATATACAATGGCATAGGGAAATCAGGGGC AGTAAGTTGCCAACGTTTCTTGCCGAAAAGCTGGATGGCATACACATCGCGGGGGTCCCA ATGGTTTTTATAAGATTCGTCGCTGCCAAAAGCAAGATATCCACTAACAATAGTATGTGC GCCGGCAAAGCGGGCGACTTGACGGGCGATATGGTCTGAAAACGGCTCGTTGTTAATATG GTTATAGACTAACGACGCACCATTCTTCATATGTTCGTAGATAACGGATTTAATAAAACG GTAGCGAGTTTTGCCCAAATCGTCGAAACTTTCGACGTATTCTTCTTTAGGAACGATTGC GCCTTTTTTACGCAGATGAAACAGCGGTGCGGTTGGGTCTGCTCGTTGGTATATCTCGTT GATATCTTTCCAAGATGCGGATTCGAGATTCCGAACCGCTCCTTTAAAGAGCTTGGGCTT CATTACTTCCCCTTACTCAGAAAATATTTAAAATTTATAATGTTACATATATTTACAAAT ATTAAAGTTTTTTTTTGTGTGTGCGTCAAGGAATTGTTGACAATTTTAGTTAAAAATTTG TCTCCAAACGGAAAAAAGCGGTTTGTTTTTTTTTTTTAACATTTTTATTGTAATTAAATA **AAAGGTCGTCTGAAAACGGTTTTCAGACGACCTTTTGCTATAATCGGGCTTCATCGCCCC** GTTCGGTTTGGAACCTTATGAAAACCCTCGTCCTCCTGCTTTCCTTCTCCACGACCA CCGCTTTCGCCGCATACGGTTTGGGTTTGGGGCAGGCACCGAAATATCCTGCCGGCTTTC GCGCCTACGGTTATGTTTATTCCGGACGGCAGGGCTAGGTTTTAAAAACAGAGGCGGATG CCATTAAATTAGACACGCTTTTCAAACGCTTTGTGTACCGTCCTTCCGCCGCCAATCAAA ACCCCGTCGGACAGCGTTCGGACGGCATACCCGCCAACCACAAAGGAAAAACCATGAG TAAAAAAATCAAAGTCGGCATTGTCGGCGCGACGGGCTACACCGGCGTGGAACTGCTGCG CCTGCTTGCCGCCCATCCCGATGTCGAAGTCGCCGCCGTAACCAGCCGCAGCGAAGCGGG AACCGCAGTTGCCGATTACTTTCCGAGTTTGCGCGGCGTGTACGGCCTCGCCTTCCAAAC GCCCGACGAGGCAGGTTTGGAACAATGCGACATCGTCTTCTTCGCCACGCCCAACGGCAT CGCCATGAAAGACGCGCCGCGCCTGATTGAACAGGGCGTGCGCGTCATCGACCTTTCCGC CGACTTCCGCATACGGGACATTCCGACCTGGGAACACTGGTACGGCATGACCCACGCCGC CCCCGACCTCGTTTCCCAAGCCGTGTACGGATTGAGCGAACTCAACCGCGAAGCCGTCGC ACAGGCGCCCCCCCCAACCCCGGCTGCTACCCGACCTGCGTATCCCTACCGCTCGT GCCGCTGTTGCGGCAATGCCGTCTGAAGCCCGGTATGCCGCTGATTGCCGACTGCAAATC CGGTGTCTCCGGCGCGGGCAGGAAAGGCAATGTCGGTTCGCTGTTGTGCGAAGCCGGCGA CAACTTCAAAGCCTACGGCATAGCCGGACACCGCCACCTGCCCGAAATCAGGCAGACCAT CGCCGGGCTTCAGGACGGCATCGCCGAAGGATTCGTGTTCACGCCGCACCTCGCGCCAAT GATACGCGGTATGCACGCCACCGTTTACCTCCACCTTTCAGACGGCAGCGACCCCGAAAC CGTCCTGCGCGACTACTACCGCGACAGCCCGTTCGTGGACATCCTGCCGACCGGTTCCGC CCCCGAAACCCGCAGCGTGCGCGGCGCAAACCTCTGCCGCATCAGCATCCAACAGGCGGC GCAATCCGATGTGTGGGTCGTCCTTTCCGTCATCGACAACCTCGTCAAAGGCGCGGCGGG TCAGGCAGTCCAAAATATGAACATTATGTTCGGACTGGAGGAAACACACGGCTTGGACGC AATCCCCCTGCTCCCCTGAAGCGCAAACAGCAAACCGCAGGCATCGTGCCTGCGGTTTTT CGAAAACAAAATCTAAAATACCGTCATTCCCGCAAAAGCGGGAATCTAGTTTATCCAGC TTCAGCAATTTCCGACACATTTCCACACGCTTCGATTCCGTCATTTCTCCGGTTTCAGTC ATTGCCGATAACACCGTGGTTTTTCATTTCTAGATTCCCGCCTGCGCGGGAATGACGGCG GAGGGCTTGCCGTTTTTCCCGGTAAATACCTGCAATTTAAAATCCCATCATTGCCGTGAA CCGTCATTCCCGCAAAAGCGGGAATCTAGTTTATCCGGCTTCAGCGATTTCCGACACATT TCCGTACGCTTCAATTTCGTCATTTCTCCGGTTTCAGTCATTGCCGATAACACCGTGGTT TTTCATTTCTAGATTCCCGCCTGCGCGGGAATGACGGCGGAGGGCTTGCCGTTTTTCCCG CCCGTCATTCCCGCAAAAGCGGGAATCTAGTTTATCCGGCTTCAGCGATTTCCGACACAT

TTCCGCACGCTTCAATTTCGTCATTTCTCCGGTTTCAGTCATTGCCGATAACACCGTGGT TTTTTATTTCTAGATTCCCGCCTGCGCGGGAATGACGGCGGAGGGCTTGCCGTTTTTCCT GGTAAGTCTCTGCGGCTTCTCATTGCCGGTTTCCGCCTACTTGGGAATGACGTGATTTAA **AATCATGAAAATGTGTCAAAAATAATATAGTGGATTAACAAAAACCAGTACGGCGTTGCC** TCGCCTTGTCGTACTATCTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTA ATCCACTATAAAAATCAGATTTCCGTTACACTTTTTCCAATATTTCAGACGGCATTTTG CTCACACGCCCAAATACCCTTCCCTGCCGGAAAGCCACCTTGCCAAATGCGCTTCGACGA TTTCGGGGTTTTGTTCAATCAGCATCGGGGCGGTTTCGCGCGCTTGTTCCAAGAGGTGCA ATTCGCCGGGGCCGCGGATGTTGAGGTCTTGGCGGGCGATTTCAAAGCCGTCGGTGTGTT CGTAGATGACTTTCAGCCGCGCTTTGGCGAGTTCGCCCAAGGGTTCGGCAAACAGGAGGA CGCACACGCTTTCTGCCGCGCCGCGCCCGACCGGCGTAATTGGTGCAGCTGCGCCA **AGCCCATGCGCTCGGCGTGTTCGATGACCATCAGGGCGGCATTGGGCACATCTACGCCGA** CTTCGATGACGGTGGTGGCGACCAAGACGTTCAGCCCCCCGAAGAAAACCGCGCCATCA CTTCGGCCTTTTCGGCGGCCTTCATGCGCCCGTGTACCAGTCCGATATTGAGTTCGGGCA ATGCCGTCTGAAGCCGGGCGAGGGTTTCGGCGGCGGTTTGCAGTTGCAGGGTTTCGCTTT CTTCAATCAATGGGCAGACCCAATACGCCTGCCGCCCTTTTCGGCAAGTGCCGAGGACGA AGCCTTCGACTTCGGCGCGGCGGACGTTGTTGACGAGGCGCGTTTTAATCGGTGTGCGCC CGGCCGCAATTCGTCGATGACGGACACGTCCAAATCGGCGAAAAAACTCATCGCAAGCG TGCGCGGGATGGGCGTGGCGGACATCATCAGCTGATGGACTTCGCGCCCTTTGTTTTTGA GGGCGAGGCGTTGGGCAACGCCGAAACGGTGCTGTTCGTCCACAATGGTCAAGCCCAAAT TGTGAAACGCCACGCCGTCTGAAAACAGGGCGTGCGTGCCGACGGCGATTTTGACGCTGC CGTCGGCGAGTTTGGCTTTGGCTTTTGGCTTTTTTTACGCAAACTGCCAAAAAGGC **GGACAACTTCAATGCCCAAAGGTTCGAGCCATTGTTTAAATTTAATAAAATGTTGTTCGG** CAAGGATTTCAGTGGGCGCCATTACAGCCACCTGCGCACCGGATTCGATAGCCGTCAAAG CAGACAAAGCAGCCACAATGGTTTTGCCGCTGCCGACATCGCCCTGCAGCAGGCGGTGCA TCGGGTAGGTTTGCGCCATATCGCGGCAGATTTCGGAAACAACTTTTTCTTGCGCATCGG TCAGGGCAAACGGCAGGGCTTGGCGCAGGGCTTGGGTCAATGTGCCGTCGCCGCCCAATG CCGCCGCCGTGCCGCCGATACGCTTCTGTCGCGCCAAGCGCATCGAAAGCTGTTGCGCCA AAAGTTCATCGAATTTGAGCCGTTGCCATGCAGGCAGCGTGCCGTCTGAAAGCTGATGAA TCGTGAAACTCGGCGGCGCGAATGCAAAAGACGCAGGCTTTCGGCGAGGTGTGGCAGCT TCAGACGGCACAGCAGGGCATCGGGCAGCGTGTCGTGCAGCGGCGTAACGTCCAACGCCG TCTGAATAATACGGCGCAAAGTGGGCTGGTTCAAACCGTTTACGGTCGGGTAAACCGGCG TGAGGCTTTCCGCCAAACCGCCGCCCTCGGCATCGCGGATTTTGGGATGAATCATCTCGT CGCCGTAAAAGCCGTGTTTGATTTCGCCCACGGCGCGGATGCGTTTGCCGACCGCCGTCT GTTTCTGATGGCTGGCGTAAAAGTGGATGAAGCGCAGAAAAAAGGACGCTGCCGGAGCCGT CGGCGATTTGGACAATCAGCTGCTTGCGCGGTTTGAACGTTACTTCCTGATGGATAACCT CCCCTCGACCTGACACGGCACGCCAATCGGCGCGTCCTTAATCGGCATAATGTGCGTCT CGTCCTCGTAACGCAGCGGCAGGTGCAACACCAAATCCCACGCGGTATGGAGGTTGAGTT TGTCGAGCTTCTTGGCGGAAACATCGGTGATTTTGAGCTGTTTTCGGGTTTCGGGCGACA TCATAGGCAGATTCCTTTGGACGCGCCTATTTTATCCGAAAACAAAAATGCCGTCTGAAA CGGATTCAGACGGCATCGACAGGCAGGAATCAAGCCCCGGCGGCTTCCGCTTCTGCTGT GTTACCGTACCGGAAACGGCTTCGCGCGCGTAAGGGAAGAGGATGTTCGGACACGCCACG CCGAGCAGCAGGTCGGCATCTTCTTCGGGGATGTTTTCCAAACGGAAAATACCGCTTTGG GTTACTTCGTTCAAAAACATCGTGCGCTCGTTATCCAATTTGGCGGTTACGGTAACGGTT ACATCCACGTTGTAGTAGCCGTCTTCCAGCTTTTGGCTGCCGGTGGAAACGCGCATCTCC **ACTTCGGGCTCGCCCTGTTCCAAAAAGATTTGCGGCGCGTGCGGCACTTCCAAAGACAAG** TCTTTGACATACAGTCGCTCGATGCTGAATACGGGTTGCAGTTCTTCGCTCATTTTGTTT TCCTAGTTGGGGGTTAAGGGTTCAGCAGTCCGTCCAGCCCGCCTTCCTGCTGGAGGCGGT AGAGGTCGGTAAATCCGCCGACGTGCGTTTCGCCGATGAAAATCTGCGGCACGCTGCGCT GTCCCGAAAGCTGCTGCATTTCGGCAAAGGCTTCGGGGCTTGCATCGACACGGATTTCGT CGATATGTCCGACACCTGCCGCGTGCAGCAGCCTTTTCGCCATCGCGCAGTAGGGGCAAA ACGGACCTGTGTACATGGTAACGGTCTGCATATTGGGTTTCCGAAAGTTTTGCAATGATA ATCAATATAGGGGCATTTCCCCTGTTTGGCAAGTGCGGAACAGATGCACGTTCAAACGGC ATGTGCGGAATGTGTCAAAGTTTCTTTTTTAAAGTATGATAGACATTGTGAAAAATATTT TTGCACCCGCGCTGCGCGGGGAACGGATGCAAAATATTTTTATTACATTTTCAGGAAAA GTCAACATCACGCCGCAGAAACGCGCGTAGCGGTGTTGGAGGAAAACAATATCTGCGAGC TGCACATCGAGCGCAACAGCGAACACGCCTAGTCGGCAATATCTATTTGGGCGTGGTGC GCCGCGTGCTGCCTGGGATGCAGAGCGCGTTTATCGACATCGGCTTGGAACGCGCGGCGT TTTTACACATCGTCGATGTCCTCGAACAACGCCGCAACCCCGAAGAAACCCAGCGCATCG AACATATGCTGTTTGAAGGGCAGTCTGTTTTGGTGCAGGTCATCAAAGACCCGATCAACA CCAAAGGCGCGCGCTTTCCACCCAAATCTCGCTGGCGGGGCGTTTCCTCGTCCATCTTC CGCAAGAAGACCACATCGGCGTGTCCCAACGCATCGAAGACGATGCCGAACGCAGCACCC CCAACGCCGAAAACGCCACCGACGAACAGCTCCAGTCCGACATCGACTACCTGACCAAAG TGTGGGAACACATCCAAGAACAGGCGAAAATCCGGCCGCCCGAAACCCTGCTTTATCAGG ATTTGCCTTTAAGCCTGCGCGTGTTGCGCGATATGGTCGGCTGCGACACGCAAAAAATCC TCGTCGATTCCACCGTAAACCACGGGCGCATGACGCGTTTTGCCGAACAATACGTCCACG GCGCATTGGGCAGGATAGAGCTGTTCAAAGGCGAACGCCCGCTGTTTGAAACCCACAACG TCGAACAGGAAATCAGCCGCGCCCTGCAACCGCGCGTCAACCTCAACTTCGGCAGCTACC TGATTATCGAATCCACCGAAGCCATGACCACGATAGACGTGAACACCGGCGGCTTCGTCG GCGCACGCAACTTCGACGAAACCATCTTCCGCACCAACCTCGAAGCCTGCCACACCATCG CCCGCGAATTGAGGCTACGCAACCTCGGCGGCATCATCATCATCGACTTCATCGATATGG

CACAGGAAAGCCACCGCGAAGCCGTGTTGCAGGAGCTTGCCAAAGCCCTCGCCTTCGACC GTACCCGCGTTACCCTGCACGGTTTTACCAGCCTAGGGCTGGTCGAGCTGACGCGCAAAC GCTCGCGCGAAAACTTAAACCAAGTCCTCTGCGAACCCTGCCCTTCCTGCCAAGGCAGAG GCCGTCTGAAAACGCCGCAAACCGTATGCTACGAAATCCAGCGCGAAATCGTCCGCGAAG CGCGCCGTTACGATGCCGAAAGTTTCCGCATCCTCGCCGCCCCCAACGTCATCGATTTGT TTTTGGACGAAGAATCGCAATCCTTGGCAATGCTGATAGATTTCATCGGCAAACCGATTT CTCTGGCGGTCGAAACCGCTTACACGCAGGAACAATACGACATCGTTTTGATGTAAAAAA TGCCGTCTGAAGCCTTCAGACGGCATCTGTCTATTTCAGGGTTTCCTTGTCCAACAACGC GCGTATCAGCAGACCGCGTCCGAAACGTCGGCTGTCGGACAATTCCAAATATCCGCCGTA TTTTTTGGCAAGCGTGTCGGCGATGGACAGACCCAGCCCCGTCCCCTGCTGCTCCGTTCC CAAAATACGGTAAAACGGATCGAGGACACGGGCGCGTTCGGATTCGGGAATGCCTTTCCC GTTATCTTCCACCCACACGGCAAGATATTTCCCTTCGTCCGTGAAACCCAAATCTATCCT GCCTTCGGGCGGCGTATAACGTACCGCGTTGTCGGCAAAGGTTTTAATCAGCGTATAGAT TTCCGTTTCGTCGGCAGACACTTCGACATCGCCTCCGACCGCCACGCCGATGTCCTGACA TTTTTCCAAAGCCAGCGGCATCAGTTCCTGCAACACTTGGCGGAAACGGCTTTGCAGACC GAATGTCGTTTTCGTCAGAGGGATTTCATCCGACTGCGAACGCGCCAATGCCAAAAGCTG TTCGAGCAGGTGTTTGTTACGCCGTATGCTTTGCTGCAAAACGGCAGGCTGCCGCGCCGC ATCGGGTGGGAGCGGCATATTGTTGAGCCGTTCCGCCTGAAGGGGGAAGGGCGGTCATCGG CGTACGCAATTCGTGTGCCGCGTCGGCGACAAACCGCTGACGGTGGCGGATGTCTTCATC CGCACGTTTCAAAAGCAGGTTGATGGCGGTTACGAAACCTCTGATTTCACTGGGAATATT GTCCACACTCAAAGCAGACAGGTCATTGATTCGGCGTTGTTCGAGACTTTGCGACAATTT GCGGACGGGCGCATGGCTTTGTGCGTAATCCACACGGTCAGCAAAATCATCAGCGGCAG TGCCGCCAACAGGGGCAACACGCTTTGCCGTGCCGCATCCGCCGCCAAATCTTCACGGTA TTCGTTTTCCTGCATAACGGCAATCCGTCCCTGCTCGGTCGTGCGGATATAGACGCGGTA GCTGACAACAGGGTCTTCCTGCTGCGGCATCTGTACCAAAATACGCGTATCGCCGTCGCC CTCGGGCAAAGTTTCGGGTTTGGAATCGGGGGCGACGTACAATGCCGCCTGACGGAGCAG GTCGTCCTGCAACGCTTCCGTTTCGTGGAAGGTTTCGTAGTAGGAAAACATACCTGCAAG CATTGCCAGCGGAACAAACATCCAAACCGTCCCGCCCCGGCAAACCCAAATCCAGCAGCA TCAAGTCATAAGGCTGGGCAGCGGCAGCCGCGCGCGTTTTTGACCCAATCCACCGCATA GCCGCCGTCTTTCAAACTTGCCGACACCGCCTCCGCAATCATCGCATCGTCTTCCACCAG CAAAACACGCATCAACTTTCCCTTCAAAATAAACCGTGCCTATTCTAACACCCCAAAATT AGCCGCAATTTAGCGGTCTTTACGCTTGCCGGTATTTTTCAAAACTGCAGCACAAAAAAA GCAGAGCCTGCGACAGACCACAGGAACGATTCAGGCTTCAGACGGCTTCGCCGTTTACGG CAGAGGCACGATTCCTGCCGCTATCGAACTGGCCAATATCGCCAGCGACAAACCCCACGC CCAGAAAAACGAATAACGGATGTGTTTGCCCATCGACAATTTCGCCAAACCCAAGCCCAT CCACAAAGCCGGCGAAAGCGGCGTAACAAAAGTGCCGACGATACTGCCGATCAACATCGC ATAACCTGCTGCTTCGGGCGCCACGCCCGCCTGCGAGGTAATCTGCTCCACAATCGGAAA CAGTCCGAAATAATAAGCGTCCGTACTCAAAACCAACTCAAGCGGAATGCCCAACACACC GATGGCAATATGCAGATAAGGCAGCAGCGCGTCCGGCAGGATATGCACAATGTCTTTGGA AATCGCGTCCAACATCCCCGCACCCTTCAAAATCCCCAAAAACGTACCTGCCGCCAAAAT AATGGACGCCATCATCACCGCCGCCGCCGCGCGTGGGCATAAATCCGCTCCATCTGTTCCTG TGGGAAGATGCCCGAAAAAAGCAGGCTCATCGCCGCCAAAAACAGCAGGACATTCCACCA AAACAGTTTCGGACGCGCCAATTTTTGTTCTTCTTCCGACAAAGGCACCGGCTTTATCAA ATCCGCCACGGCGGCAACGCGCCCAACTCCCGGACAATCCGCCTTTTTTCACGCACACC CAAAAGCAGGGACAGCGCAAGGATAAACACCACACCGATAATTTGCACCGTCAACAAAGG TTTATACAATTCGCCCACATCTGCGCCCAACACGCTTGCAACCCGGCCCGGTCGGCCCGCC CCACGGCAGAAGGTTAATCAATCCCGCACTGGAAGTCAGCAGCAAAAACAGCAGGTAAGG ATTCATATGCAGACGCTTGTAAAGCGGCAAAAGGGCGGGGACGACCAATAAAAACGTCGT **ATCGTTCATGATTCCAAAAAACAAAATGGAAAACATAAACATAATCACAATCTGCATCAC** CGATTTGGTGCCGCCCGAATAAAATTCTTTTAATTGGGATACATCAAACCCCGCCAGCAA CGCCCCAAACAGCGGCACCAAGATTAATGCGATGATGGGCGACACTTTTTCCGTCAGCAG CAGCCATACGATGACCCCGATAATCAGCAGTCCGATAAACGTCAGCATCATTTCTCCTTT ATTTTATTTTAAACAGAAAACCGACCGTGCAGGCAAAACCGCCCACAGACGCGGGATAAG CCCTGCATTCTACTTTTTTTTTTGAAACAAGTCAATCGGTCATTTCCTCCCATTTACGC CTGCCGCCATTCCTGCATCCGTCGTCATTTCACAGCGGCAACCGATACGGAACAACCGG TAAATCGGTATCGGGACGGCGCGGGGGCATTCATCCCGGTGCGCCGATTCAAACGAAACC GCCCCTATCATTGCGGAGCGCGGGGCGTGCCGTACACGCGGGATTTTATAGTGGATGAAC AAAAATCAGGACAAGGCGGCGAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTT GGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTG GTTTTTGTTAATCCGCTATAAACACGCCGGTCATTTGCCGCGCATTATCCGGCAAACGGC AAACCTTGACGCTGCCCAGCCCATATAAAAAAGCCGCAAAACCCGAACCGGTTTTGCGGC TATGACTGAACAAAATCCCTTGCCGAGTCAATCAATTTGCCGTTTTCATCAAACAGCGTC GGCGAATTGCCCAAAAACACTTCCGGCTGTCCGGTTACGGGCATATCGAAATAAGACAGC GCAAGGCGCAGGTTTTTTTGGGAACTGTAACCGCCCATCTTGCCGACGGAATGGCTGATG ATGCCTGCCGGTTTGTTTTTCCACGCCACGTCGGCATTCGGTTTCGAGCCGATGTCCACC GCATTTTCAAACAGGCGGGAATGGTGCGGTTATTTTCGGACGTAACGAACAAAATGCCG TCCGAAGCCTTAATCGTTTCGCGGAAAGCCGTGTAGCTTTCGGGTAGCGGCACATCTTCC ··· ACCGCAGGGTCGTCATAATCGAAATTGTAAAGCGGCAGATGTCCGATTTCAACGATTTCC GCCTGCCAGCCTTCGGGGAACATCTCCGCCGCATTCAATGCCACTTTGCGCGCAAAAGAA

GCACGGCGCAGGCTGCCCACCAAAATACTGATTTTCTTAGCCATAATCATTCCTCCTGAA TATTAAGTTTGTGCGTCTCAATCATTTCATAATGATAGCGATTATTATATGTGATTTC CCCTGCAAACAAGCCGGCCGCCGCCACAGCGTTCCCACTTATCCGGCTTTGCCTTATAA TTGCTTTTTTTTTTTATGTAACAGATTTACCTATGAATTTCCCCAAAACAGCGGCCTCCCTGCT GCTGCTTCTCGCCTCCCTCGCCGCACACGCGCTCGATACCGGCCGCATTCCGCAAAACGA **AATCGCCGTATATGTCCAAGAGCTTGACAGCGGAAAAGTCATCATTGACCACCGCTCGGA** TGTCCCCGTCAACCCCGCCTCCACAATGAAACTCGTTACCGCGTTTGCCGCCTTCAAAAC CTTCGGCAGCAATTACCGCTGGGCGACCGAGTTTAAAAGCAACGGTACGGTAAACGACGG CACGCTTGACGGAAACCTATATTGGGCGGCGCGCGCGCCCCGTTTTCAATCAGGAAAA CCTGCTTGATGCTCAAAAACAGTTGCGCGAACAAGGCATACTCAATATCACGGGACACCT GATGCTCGACCACAGCCTGTGGGGCGAAGTCGGCAGCCCCGACGATTTCGAAGCCGACAG CGGTTCGCCGTTTATGACGCCCCCCAATCCAACTATGCTGTCTGCCGGTATGGTTATGGT GCGCGCCGAACGCAATGCCGCCGGCAGTACCGACATCCTCACCGATCCGCCTTTGCCGCA AAAACTGATGCGTGCATCTTTTTCGGACAATACGCTGAAATTGCGCGGCAATATTCCCGA GAGCTGTTTGGGCAAGCCTGTCGGTGTCCGGATGTTCGCGCTTGACGAACTGATCCGGCA AAGTTTTACCAACCACTGGCTGCTCGGCGGCGGACGGATTTCAGACGGTATCGGCATAGC TTTGACGGACATGAACAAGCGTTCGGACAATCTAATTGCGCGTTCCGTCTTCCTCAAACT CGGCGGCGACGGCAAACTGCCCGCCGTTTCCGAACAGGCGGCGTCTGCCGTCCGGCGCGA ACTTGCCGTATCGGGCATCGATGTTGCGGATTTGGTTTTGGAAAACGGTTCGGGCCTGTC CAGAAAGAAAGGGTAACGGCGAGAATGATGGCGCAAATGTTGGAAACGGCTTATTTCAG CCCGTTTGCACAAGATTTCATCGACACGCTACCCATCGCCGGCACAGACGGAACTTTACG CAACCGCTTCAAACAAAGCGGCGGGCTGTTGCGCTTAAAAAACCGGCACGCTCAACAATGT CCGCGCCCTTGCAGGTTATTGGCTGGCGACAAACCGATGGCGGTGGTCGTCATCAA CAGCGGCCGCCGTTTCCCTGCTGCCAGACTTGGACAACTTCGTTGCCAACAACATCAT CTCCGGCGGCGATGGCTGGATGCGAAACTGATGTGCAAAGAACGCCGAGCCTGAAA CAGGAAAATATAGTGGATTAAATTTAAGGGGCTGTCCTAGATAACTAGGACAAACTCGAT TTTACTAATTGTTTTAAAATGGAACAAGAACTTTTATCTCACTGTTGTTAAAACGCCATT CGCACTCCTTTAAATACAGCTCAAAATGCGCTTTGGGAATGCCGTTAAACTTGCGTAAAT GACGTTTTGCCTGATTCCAAAAGTTCTCAATTCCATTAATATGGTTTTGTCGTTCGGCAA AATGTGTGCTGTGATTGATACGAAAACGAAGTTTCAGCGAAGCTAAAATGGCTAAATTCG CGCACATCTAATACATCATAGCTACGATAACAATCCGTATAAACAATACTGTCAGGTTTC ACTTGTTCACGGATAATAGGAAATAAAGTAGCGGTTTGAGTATTCGGTACTGTAACCGTA TARACCTTACCATTTCGCTTCAAAAGACCGAATACGGCGACTTTACCGGCAGCACCGCGA CCGCGTTTGCCTTTGCGTTGTCCGCCAAAATAACTTTCATCTGCTTCTACTTCGCCATCA **AACATTTCCAAATGCGGACTGTTTTGATAAATAAGTAATCGTAAACGATGAAAATAATAG** GCTGCGGTATTTTTATTAACGCCTACTAACTCTGCTGCCGTTCTTGCAGTTACACCTGCG ACAAACAGTTCAATGAGTTTATTTTGTTTATACCGGCTTAGACGACTTTTTCTCATAGGG GCAACTCTAACTTAATTTGAATTTCCCTAGTTATCTAGGACAGCCCCAAATTTAAACCAG TACGGCGTTGCCTCACCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAG TGAATCGGTTCCGTACTATCTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGT TAATCCACTATATAAAAATGCCGTCTGAACTGTTCAGACGGCATTTTTGATTTTCAAACC GGAATTACAGCCCCGCTGCCGCCCTCAATGCAGCAGCTTTGTCGGTGCGCTCCCAAGTGA **ACTCAGGTTCTTCGCGGCCGAAATGTCCGTAAGCGGCGGATTTACTGTAAATCGGGCGCA** AGAGATCGAGCATTTGGACGATGCCTTTGGGGCGCAGGTCGAAATGTTCGCGAACTAAGG CAATCAGTTTTTCTTCGCTGATTTTGCCGGTGCCGAAAGTATCGATGGAAATCGAAGTCG GTTCGGCAACGCCGATGGCGTAGGAAACTTGGATTTGGCATTGGGTTGCCAAACCTGCGG CGACGATGTTTTTTGCGACATAGCGGCAGGCGTAAGCGGCGGAACGGTCCACTTTGGACG GGTCTTTGCCGGAGAATGCGCCGCCGCCGTGCGGAGCCGCCGCCGTAGGTATCGACGA TGATTTTACGGCCGGTCAAACCGCAGTCGCCTTGCGGGCCGCCGATAACGAAGCGGCCGG TCGGGTTGATCAGGTATTTGGTTTCGTCGGTCAGCAGTTCAGACGGCAGAACCGGTTTGA TGATGTGTTCGATTACGGCGTTTTTCAGCTCTTCGTAAGCGATGGACGGATCGTGCTGGG TAGACAGGACGACGGTGTCGATGCGTTTTACTTTGCCGGTTTCGCTGTCGTAAACCACGG TCAGTTGGGCTTTGGCATCAGGACGCAGCCAAGGCAGGCGGCCGTCTTTGCGCAATTCGC TTTGACGCTGCATCAGGCGGTGGCTGTAATAGATGGCAAACGGCATCAGGGTAGGGGTTT CGTCACAGGCATAGCCGAACATCAAACCTTGGTCGCCCGCGCCCTGGTTCAAGTCGATGC CTTCGCCTTCGTTCACGCCTTGGGCGATGTCGGGGGATTGCTGGTCGTAGTACACGCCGA CTGCGCAGCCGTTGGCATCAAAGCCCAGCTCGGAGGAGTTGTAGCCGATGCGTTTGATGG TTTCGCGTGCGACTTTGATGTAGTCTACTTGGGCGGTGGTGGTAATTTCGCCTGCCAATA CGCACAAGCCTGTGTTGACCAAGGTTTCTGCGGCGACACGTGCTTTTGGGTCTTGCGCCA AGATGGCATCCAAAATCGCATCGGATACTTGGTCGGCAACTTTATCCGGATGGCCTTCGG TCTTCTTCAGACGGCATGTTGTATGAACATAATGTCGACAGCGGGAAATATAGCAAAATT TCCCTATTCATACCATTCAGTTGAGAAATATTCCCATTTGAATAGCACTTTGGAATCTCT GCCCGTACGTTTCTTACAGGCAAAAAATTCCCGCATCAAGCGGGTTTGGATTGCTCTGG TGAGCCACATCGGCTTTTCAACCGTCCACCTTACTTTTCCTTTTGAAAAGCAGGTTGGCA TGGAATTCCCAACTCTTAATGCAGCACGCATCGTAGCAGAAAAGGCATATTGCCGCAATA CTTCCCTTTTTCAGACGCCATGTTTCGTTTACAATTCAGGCTGTTTCCCCCTTTGCGAAC CGCCATGCACATCCTGTTGACCGCCCTGCTCAAATGCCTCTCCCTGCTGCCGCTTTCCTG TCTGCACACGCTGGGAAACCGGCTCGGACATCTGGCGTTTTACCTTTTAAAGGAAGACCG CGCGCGCATCGTCGCCAATATGCGGCAGGCGGGTTTGAACCCCGACCCCAAAACGGTCAA AGCCGTTTTTGCGGAAACGGCAAAAGGCGGTTTGGAACTTGCCCCCGCGTTTTTCAGAAA ACCGGAAGACATAGAAACAATGTTCAAAGCGGTACACGGCTGGGAACATGTGCAGCAGGC TTTGGACAAACACGAAGGGCTGCTATTCATCACGCCGCACATCGGCAGCTACGATTTGGG

CGGACGCTACATCAGCCAGCAGCTTCCGTTCCCGCTGACCGCCATGTACAAACCGCCGAA AATCAAAGCGATAGACAAAATCATGCAGGCGGGCAGGGTTCGCGGCAAAGGAAAAACCGC GCCTACCAGCATACAAGGGGTCAAACAAATCATCAAAGCCCTGCGTTCGGGCGAAGCAAC CATCGTCCTGCCCGACCACGTCCCCTCCCCTCAAGAAGGCGGGGAAGGCGTATGGGTGGA TTTCTTCGGCAAACCTGCCTATACCATGACGCTGGCGGCAAAATTGGCACACGTCAAAGG CGTGAAAACCCTGTTTTTCTGCTGCGAACGCCTGCCTGGCGGACAAGGTTTCGATTTGCA CATCCGCCCCGTCCAAGGGGAATTGAACGGCGACAAAGCCCATGATGCCGCCGTGTTCAA CCGCAATGCCGAATATTGGATACGCCGTTTTCCGACGCAGTATCTGTTTATGTACAACCG CTACAAAATGCCGTAACGAAAATAAAAATGCCGTCTGAACAATTTCAGACGGCATTTTGT CATCTGACGATTTCCGACAGCGGCCAGCGGGCGGACGTTGAACGCACCGACCTCCCTG CCCTTGCCCAGGTGCATCGCACCGGCAAAGGCAATCATGGCACCGTTGTCCGTGCAGTAT GCCGTCGGCGGGAAAAACACGCTGACTTTTTCGGACGGATGTTTCGGCTTGCCTTTGGGG GTCGGGATTTGCACCGTCATGTTGCCGAAAGTTTCACGGAGCTTGCGGTTTGCACCGACC CCGCCGGCGACCACTACGGTTCTGAACCCTGTCTGCAACAGGGCTTTTTTCACTTTCGCC GCCAACACATCGACTACCGCATCTTGAAACGCACGGCAGATGTCGTTGCGTGTCTGCTCA GGAATGTCATCCGCCCGTTTTCCGCGCGCACTTTCTCGACGGCGGTCAATACGGCGGTT AACGCTTCGAACCTGCCCGATTCCGCAAGTTCCGACAGTTTCGCACCGCCCGGATACAGC ACCAACAGCGCGACAAAAGGAAAGTCGGGTTTTTCCTCCGCCAACAGCGGCGACAGCAGA TGTCCTTCCAAATGATGGACGGGAATAACAGGCTTGTCCAACGCTAAAGCCAGCGCGTTG GCGTAGCTCGAACCCGCCAGCAGCGCGCCCCCAAACCGGGCCCCTGCGTAAAGGCAACC GCGTCAATGTCGCCATACGATGCGCCTGCCTGCGCCAGACAGCCTTCCGTCAACGGAACA AGGCGGCGGATATGGTCGCGGCTTGCCAATTCCGGCACAACCCCGGCGTATTCGGCGTGC ATTGCCATTTGAGTGTGCAGGCAGTGCGCCCGCAATCCACGTTCCGTATCGTAAAGCGCA ACACCTGTTTCGTCGCAAGAAGACTCGATTCCTAATACCAACATGGTCTGATGCCGTTAA AAACTGAAAAACGTATTTTAGCGGATTTCGGCACGACTGCCGTATCCCAAAAACGGAACA TGCCGTCTGAAGACCGTTCAGACGGCATCGTCGCACCGTATCAAAGCGTTCCGTAAGAAT GCAGCCCGCTCAAAAACATATTCACGCCGATAAAGGCAAATGCGGTTACGAACAAACCGA TAATCGCCCACCACGCCAGCACTTTGCCGCGCCAACCGGCAACCAGCCGCAAGTGCAGCC AAACGGCGTAATTGAGCCAGACGATGAACGCCCACGTCTCTTTCGGATCCCAACTCCAAT AGCGTCCCCAAGCATCTGCCGCCCACAGCGCACCCAAAATGGTGGCAATGGTAAAGAACA GAAAGCCGACGGCAATCGCCTTATACATCACCTCGTCGATCAATGCCGACGGCGGCAGCC ACAGTTTTCCGCCTTTTCCTTCCGCACGCAGGGAAACCAGTTCGGCAATACCGAGCATCG CGGAAATGCAAAACGCGCCGTAACCGATAAAGTTTGCCGGAACGTGGATTTTCATCCACC AGGACTGGAGCGCGGGAATCAGCGGCTGGATGGTATGCGCCTCGCGGGACACGCTGTACC ACAAGACAAATCCAACCACGACCGCCATAAAGCCGAACACGAAGCCGCCCAATTTCTGTA TGGCGAACTTACCTTCATAATAAAGATACATCAGCGCGGTAATCACCAAAAACAGGATGA ACACTTCATACAGGTTGGAAACCGGAATATGCCCCGCATCGGGACGGAGCAGATAGCTTT CGTGCCAACGTACCAGCAGACCGGTAAAGCCTGCTACGGCAGACACCCCATGCAAACACGG TTCCCATACCCAACAGCGTGTTGGTCGGCACATTTTTTACGCTTGCCAAAACCGCGCCCG AAATATAGGCGAACAGGGCGAAAAAGACAAAGGCGCACTGCCACATGATCGCCGACTGGC TGCTGAGGAAATACCGCAACAGGAAAATCTCTGCCGATTTGATGTCGCCTCCGTACAAAC CGACGGCGGCATAGGCAAGCAATACGCTTAAAGGAACAAACCAGCGCATCGGTTTGAAAA ACCAACCCAAAAACACGGCAATACCGGCACTTGCCCACAACATGACCGTTTCGTAAATGT CCATATGCATACCGGAACGGGTCTGTACGAAAACCGTAGCCGCAAAAACCAGCACGGCAA ATACCCAATCCCAAAGATTCAGATTGCTGATCAAAGACTTCTGAATCAGCAGCTCGTGTT CCGGAAGGGTTTTATAGTGTTCAGTCATGATTCAAGTCCTTGCCGAGCCGTTGCAGACTC TCGACGTGTTTTGGAAATTCCTTCTGCAAATCCCGTTCGCTGCGGGCCGAAGACATGGCA AAACGGATTTTGCCGTCTGAAAACAATACCCACGCCCGTTTTTCGCGCACATAAAACATC AATACCGTACCCAATACCAACAGCACCGAGCCGAGATAGACCAAAAGCGCACCCGGGGAA CGGGTCATCTGCAAACCCGACGAACGCACCTCGGAAAACCCCATCAAGTTGCAGCAGCATA GGCGCGGGATATTCGGTCAAACCCGTGTACGCATCCATACTGTGCAGCAGGAAACGATTC CGCGCTTCATCCTGCCATTCGGGCAAGCCGTACCGGCGTATGGTTTCATCCAAAGCA GCGTTCATCACGCCGTAAAGCATTTCGTAGAAATAGCCCTGCATCTTATCCTGCTGCTCT TTCGGGATATTGGACGTAATAAATTCGTCCAATCCCAAATAGCCTTTTTGTGCAAAGATG TTCAGCGTGTTTTCCGCAGCCAGCATGAATTGTTCGCGGATTTCGGCAGGTGCGCCTTTG GTTGCGTCGGCAACCAGACGTTTGCGCCCTTCCCCATCTTTCAAAAACTCACGCAATGCC TGCAAGCCGCTGCGCGTGCCGGTAATCCAAAAATAATCCTGTTCCTGCAAAACCGGCAGC ATATAGTTTTTATATTCGACCGCCTGCCCTGCCGCATCACGGATACGGTAAACAATGGAA GGGCCGATATTGGTGTATTTTTTACCTTCCTGAGTAACGGCGCGGACATCGTTCAGCGTG GATTTCAGGCTTTTTTCCCGTTCCGCGCCCTCGCTCATGTCCTCCACATTCATAGAAGTG **AACTGATCGAACTCAAGACGATATTTGTGTTTTGCCAATTTCCAACGGAAACTGGTGTATG** GATGTTGCCTTCAACACGACAGGCTCGCGCGAAGCATCACCCAAATTCCACGCCTTGAAT GTCAAATCCGAACCGCCGTCGGCAAAACTCGCCTGATAAATCGTGATGCCGTGCAAGGTC AAAGGATGGTTCACGCGGATGGTGCGCTCGAGTTTCTCACCGGTTGCCTTGTCCGTCACT TCAATATCGCTGGCGAAATCACGCGGCATACCCGTATTGTAAAAATCGATATGGAATTTT TTCAGTTTGACTTCAAAAGGCAAGTCCTGAACCAATATCCCGTTGTCGGCATTCAGGAAA ACCACATCCGCACTCTGCCCCTCGGAAATATTGACGTTGCCCCTAAATGAGAGATTGGAC GCACCCAAAATACTTTCGGGCTTGAAATCCTTGGCATAAACCGCCTGATTGTCCGGAACA ATCCGACCGGTCAGCATACCCAGTTTCAACAGCAGGTTACTGTCTATCAACCCGCCCAGG -CAAATGACAATCAAAGCAACATGGGCAAAGATATAGCCCCATTTGTTCATTGTGCCTTTT TTGGCGGCAATCAGAACCGACCCGTCTTCACGGTTAATGGTTTTTCCCTGAAAACCTTGT

ACTTCCAGATAACGTTTGGCAACCTCGGGCGCAATTTTTACATCCAACAGCGAAGAATGG CGCATCGCCGCCAGAGATTTTTCTTTAACCTTTTCCCGAAAAGACTTCATTTCGCGCCAG AACGGCGGCACATTGCGAATCAGGCACAAACTGGTAGAAACCACCAAAAACATCATGATA ACGACAAACCATGCCGAAGCATAGACGTCATACAGTCCCAGAAAAACCAAAAATCTGCGCC CAAAACGATCCGAATTTGACCAAATAATCCGTCTGCGGCTGGTTTTGCTGCAACACCGTA CCGATAACCGATGCAATACCCAGCAGACTGAGCAAAGCGACTGCAAAGCGCATGGAGCTG AAAAAAGCGAACCACGGACGGGAAAGAAGTGGGGGAGATCTACGGGATTTACTCATTGTG TGTTTATTCCGCCATCAGGAATATGGGAAAGCAGAATTGGGCAAACAGAAAACAACGTCC CGATTCTACTGTCTTGATGCTTTTTATTTCAAGACAATGAAGACAGCCTGCATCGATTCC **AACGGTTGCGATTGAAAAAACTTATCGCAGAATTGCCTGAAGCCGTCTGAAAACTTTTCA** GACGGCCTCTAAAACAGACTATTGCGGAATTAACGCAAACCTTGGATAAAGTTGGCGACC GCTTTCAAATCTTCTTCAGACATACGGTTTGCAATATCTTCCATGATGGTATTTTTACGC TGACCGGACTTGTAGGCATTCATCTGTTCAACAATATATGCCTGATGCTGACCGCCCAAA CGCGGATAAGCCTGAATTTCGCTTCCGCCTCCCGGCATACCCGCACCGCTCGGACCGTGG CAGGACATACACGCCGGCACTTTTTTATCGCTCAAACCGCCGCGATAGATTTTCGCACCC AATTCGGGATTTTCCTTAGGATTGGCTTCACCGGATTTGGGCTGCTGTTTGGCATAGAAT GCGGATACGTTCAAAATATCCTGATCGCTCAAATTCATTACCACCGGTTTCATCACAGCT GCCGAACCGTGGGTGCGTTTACCGTCGCGGATGCCGATAGTTTGATGATAGATGTAAGCA GTATGCTGTGCCGCCAAACGCGGATACATCGCAATGCCGCTGTTACCGTCTGCATGG CAAGCCGCACAAACCGTTGCGGCAACCTGTTTGCCTTTTTCCACGTCTGCTTTGGGAGAG GCGGAAACCGCACCGGCAGCCAAAACAAAGGCCAATAAAGTCAATCGTTTCATGGAGTGC TCCTGATTACAGCATTGGATAACGCAACAATGCTCTTTTTATATTCAAATACGGGATTTT TGACCCGATTAAAACCGATGATTCTGTAAACGTGTTATTCTATACTAAATTTACATTAAA TTACCACTGTGTTTCACATAAAACCAACCGCATATTTTTGCTGTCGGACAAACGGCGGCG GAAAACAAGGATATGCCCATGAACCTTTTTCAAAACGCCAAATTCTTCACGACGATCAAC CACCTTAAAGACCTGCCGACACCCCTCTCGAAATTGCCTTTGTCGGCAGGAGCAATGCC GGAAAATCCAGTGCCATCAATACCCTGACCAACCATGTCCGTCTTGCCTACGTTTCAAAA ACACCCGGACGGACGCAGCATATCAACTTCTTCGAGCTGCAGAACGGCAATTTTATGGTC GATTTGCCCGGCTACGGTTATGCCCAAGTCCCCGAAGCAGTACGCGCACATTGGGTCAAT CTGCTCGGCGACTATCTGCAACAGCGCAAACAGCTTATCGGGCTGGTTTTGATTATGGAT GCCCGCCATCCTTTAAAAGAACTCGACATCCGTATGCTGGATTTTTTCCACACGACCGGC AGACCGGTTCACATCCTGCTGTCAAAAGCCGACAAATTATCCAAAAACGAACAGATAAAA ACCCTGTCCCAAGTCAAAAACTGCTCAAACCTTATTCCGACAGGCAAAACATCAGCGTA CAGCTGTTTTCCAGCCTGAAAAAACAAGGTATTGACGAGGCCAACCGAACTGTCGGAAGC TGGTTGGACGCAGCAGATGCCGCCGCTTCCTCCAGAGGAAAACTGACCCCAATTATAC GGAAACCGTATTCCCCCCACTTGACCGACCGCAAACATTTAAAAAATTGCCACTGCCAAA TCTARARTGCCGTCTGARAAGTCTTTCAGACGGCATTTTGCGGAGTCTTTAAAACAGAGA ATCCAACTGCTGCTGTTTGGAACCAGTATTACTCGGAAGCACCGGCGTTTCCTGCATATC TTGGCGGACTTCGTCATCCGCCGCCTGCCGTCCGCCTTCTGCCGCGCCCCCGTCATCTTC TTTTGCCCGTCGGGAAGGTTGCGGCGCAATACCGCTGTTGTCCAGCGTCAAGCCCGGATC GGTTACCATACGTTCCTTCATATAGTATTCGCCATTGCTGCTGACCACACCTTCAGGCAT TTTCATCCCCTTGCCCTGCTTTCCTTTCAACGCAAAACGCATATAGTCCACCCAAACCGG CACCGCAATCGTACCGCCGTAGCCGACACGCCCCATACTCTTAGGTTTGTCGAAGCCGAT ATATACGGCAGTAACCACATCAGGGTTAAAACCGACAAACCACGCATCCTTATTGTCATT GGTCGTACCCGTTTTACCGGCAATATCCGTTCTTCCCAACGCAGCTGCCCCCCTTGCCGT ACCAACACGGACCACATCCTGCATAATCTTATACATAATATAGGCATTGCGCGGATCGAT TGCCTGAGGCGCATTTTGCCCAGCCACCAAAGGTTGCATTTGGGCGCGCAACCTGCCGTC TCTGTCATAAATCTTATCGATTACGTGCGAAGAAACCCTATATCCGCCGTTCGCAAATAC GCTATATGCCTCCGCCACTTTCAACGGCGTTGTCTCGCCCGTACCTAAAGCCATAGACAG GCTTGCCGGCAGCTCGGACGACCTGAAGCCGAAACGCCGGATATACTGTTGCGCGTAACC GACACCGATAGACATCAAAATACGGATGGAAACCATATTCTTGGAAGCCGTCAGAGCCTG TCTCAAAGTAATGTAGCCGGAATATCTGCCGTCTGAATTTTTAGGTGTCCAAACCGAACC GTTCGGCCCTTTCCCCGGCAGGGAAATCGGCGCATCGTTAACCACTGTGGACGCGGTCAT CCCCTTAGATAATGCCGCCGAATAGACAAACGGCTTAAAGGTCGAACCCGGCTGCCGCAT TGCCTGAACGGCACGATTGAATGTTTTGCTGTGAAAATCATAACCGCCGACCAGCGCGCG CACAGCTCCGGTTTTTGCATCCAGCGAAACCAAAGCCCCCTGCAGCAACGGCTCTTGAAC CACCGCCCAACGCCCGCCGTTGTTTTTGACACGGATGACCGCGCCCCTGCGGATACGGTC CTCCCCCATTTTTTCATTATTGACCGCGCGGGCCGCAAAACCCAAGGCGCGCCTGTCAAG CGTAACCCGCCTGCCGGCCGGCAGCTGTATGACGACATTTTTCTTTTTAGTCACATCCAA CACAACGGCGGAACCATTTTATCGACGGTATAGAGTCCCGACAGATACTGGCTGACAGT CTCCTCGACATCTTCACTCTACTCAAATCGATATAGTTTTCCGCACCGCGGTAGCTGCT GCCGCGATCGAAATTCCGTAGAGCCTTGCGCAATGCCTCGGTTGCCACCTTCTGATGATC GGCGCGGACCGTGGTATAAACCTTAAAACCCTGCGTATAGGCATCTTCACCGTATTTCTC ATACAGTTCCTGACGCACCATTTCCGCCACATATAACGCACTCTGATCGATTTTCCGAAC AAACCGCTCGTAATGCAGTTCCTCATTCAACGCCTGATCGCGCTGTTGCACGGTAATCAT CTTCTCCTCGAGCATATTGTTCAAAATATACTTCTGGCGCAACTTGGCACGTTCTGGATT AACAATCGGATTATAGGCAGACGGAGCCTTGGGCAGTCCCGCAAGCATGGCGGCTTCCGC CAAAGTCAAATCTCGGACATTCTTATTGAAATAGATTTGCGCGGCAGATGCAAAACCATA GGCGCGCTGACCGAGGTAAATCTGATTGAAATACAACTCGAGGATTTTGTCTTTGCTTAA AGACTGCTCGATTTTATAGGCAAGCAACACCTCATTGAATTTGCGTGTGAACGTTTTTTC ACTGCTCAAATAAAAATTTTTCGCCACCTGCTGCGTAATCGTACTCGCACCCGACTGCAC GCTGCCGGACACGACATTGCCGACGCGCGGCGGGCAACACCCCCAAACATCCACCCCCA ATGCCGGTAAAAGCGTTTATCCTCGGCGGCGATAACCGCATTCCGCAACACCTCTGGGAA CGCCGAATAAATAGTCAACGGCATTTTAGGCTGGTAATGCTGCAAAGAATCCAAAGACGG

CAGTTTCGGATACGTTACCAAAATAGCAATGGCAACCAAACCCACTCCAAATACACAAAA CCCAAAAACCAAACCAAAACAAGTCGTTAAAATCTTTTTAATCATAGCTGAATAATAATT TACCATTATTGGTATTAAATAAAGTAAAATAGCAACCGATTTCTACAAAGCACGGTTTCA ATGTGCAAAGAACAAGGAATCCATTACGGATACCGAAACGGTTACTCACTGTACAAATAA CAAGCTCCCTAAAAAATCTTCGGGACTCAATAACCGCGCGCCAATCGGCATCGATATCGA CCAGCATTCCATCAAAATGGTCCAATTGTCAGGACGTAGTTTAAACCAAATTCAATTGGA AAAATACGTCATTGCCAAATTACCAAAGAATATCATTCAAGGCAATAAAGTCCAAAATTA CGATCAACTTGTTACATATTTGCAACAAGCCTATGCCAAACTGGGTACTTCGTGCAAAAA CATCATCGCGTCCGCCCCCCAAAATTTGGCAACCATCGAACAATTGACCTACACAGACAA AGATGCAGAATTAGACCTGCAGGGGTTCGTGGAGTCCTCCATCTCCGAAGTCAGCTCGAT ATCGCTCGAAGAAGCCAATTACGACTATCAGGTCTTGTCCCAATCGGCCGCCGGCGAAGC TGTGTTGGCCGTCGCATCGAGAAAGGATGAAATCGAACCCCTGATTGACGCATTCAACGC CGCCGGTATGAAATTATCCGCGCTTGATGTGGACATTTTCGGACAATACAACGCCTACGC GCTATGGATAAACCATTTCGCCCCCGAGCTTGCAGCCGAAAAAGTCGCCATTTTCGGCGT ATATGCCGCACAGACCTACGCCTTGGTCATCCAAGACGGAAAAATCCTATACAAACAGGA **AACCTCCGTCAGCGAAGAACAGCTCAACCAACTCATCCAGCGCACCTATCAGGTAACAGA** AGAAAAAGCGGAAGAAATCATCAACTCCCGGCAAAAACCTTCCGATTACCAAGAAAGCGT GGCAAACTATTTCAACCAGCAGATTACCCAAGAAATACAAAGGGTCTTGCAGTTTTATTA CACCACGCAGACCGCAGACGATATGACCGACATCAAGCATATCCTGCTGACCGGGGAAGC GGCGCGCCAGGAAGGCATCGCCCAAACCGTCGCCTCACAAACCAATGCAGATGTACAATG TGATGCGCCGACACTGACCAGGGCGTTCGGTTTGGCGGTACGGGGATTATAATTATGAAC AATTTAATCAAAATCAACCTCCTCCCCTACAGGGAAGAGATGAACAAGCGCAAACAGCAG CAGTTTAAAACGCTGATGTACGGTGCCGTGCTGACGGCGTTGCCGCCGTTGCGGCAACC TCCATCGCACACTTGGATACCGAGCTGTCGGAAATACAAAAGCTCAAACAGGAAAAAGAT GCCTTCCTGATTAAGAAAAACAAAATCGAGGAGCTCCAGCTCAAACGCCTCCAAGCCGCA GCCGTTACCGCCGACTCTTATCGGCTCAGCGGCAGGACATCCAGCGACAACCGCGTTGCC GCCATGATGAGGGCGATGCCCAATACCGGCATATTCAAGCAACCCGAATTGTTAAGCATC AAGAAAAACAATTCGCATCAAGAATTTACCCTTCAGGCAACATTACAACCCATCGTAAAG GCGGCCGAATCCAAAGAGAATCCGGCTTCGGGAAACGCACAGGAGGCAAACTGAATGGCT TCTAAATCATCTAAAACCAACTTGGATCTCAACAACCTTCACCTGCTCAACCTTCCTGCC AGGCTTTTTATCGCCCTGCTGGCCGTTGCCGCCGTGCTGGGGCTCGGTTATGCCGGATTG TTCAAAAGCCAGATGGAATCCCTTGAGGAATACGAAGCAAAAGAAACCGAACTGAAAAAC ACCTACAAACAGAAAAGTATCGACGCGGCCAGCCTGAACAACCTGAGGGACGAACTTGCC TCAATCCGCTCTGCCTTCGATATCATGTTGAAACAGCTGCCGACAGATGCAGAAATTCCC AATCTGGTTCAAGAGCTTCATCAGGCAGGTTCGAGCAACGGTCTGCGCTTGGACAGCGTT ATGCCCCAACCTCCCGTAGATGACGGCCCCATCAAAAGATTACCCTATTCCATTTCCATT ACCGGAAATTACGAACAGATCAGCCAATTTACCCGCGATGTCGGCAGCCTCTCCCGAATC ATTACCCTTGAGTCGCTGAAAATCGCCCAATCTCCGGAAAACGGCGGCAATCCTGACGGC AAGAGCAGCATCCTGAACCTCAGCGCCATTGCCACCACCTACCAAGCAAAATCCGTAGAA GAGCTTGCCGCAGAAGCGGCACAAAATGCCGAGCAAAAATAACTTACGTTAGGGAAACCA TGAAACACTATGCCTTACTCATCAGCTTTCTGGCTCTCTCCGCGTGTTCCCAAGGTTCTG AGGACCTAAACGAATGGATGGCACAAACGCGACGCGAAGCCAAAGCAGAAATCATACCTT TCCAAGCACCTACCCTGCCGGTTGCGCCGGTATACAGCCCGCCGCAGCTTACAGGGCCGA ACGCATTCGACTTCCGCCGCATGGAAACCGACAAAAAAGGGGGAAAATGCCCCCGACACCA AGCGTATTAAAGAAACGCTGGAAAAATTCAGTTTGGAAAATATGCGTTATGTCGGCATTT TGAAGTCCGGACAGAAAGTCTCCGGCTTCATCGAGGCTGAAGGTTATGTCTACACTGTCG GTGTCGGCAACTATTTGGGACAAAACTACGGTAGAATCGAAAGCATTACCGACGACAGCA TCGTCCTGAACGAGCTAATAGAAGACAGCACGGGCAACTGGGTTTCCCGTAAAGCAGAAC TGCTGTTGAATTCTTCCGACAAAAACACCGAACAAGCGGCAGCACCTGCCGCAGAACAAA ATTAAGAAGAGGATTACTCCATTATGAATACCAAACTGACAAAAATCATTTCCGGTCTCT TTGTCGCAACCGCCGCCTTTCAGACAGCATCGGCAGGAAACATTACAGACATCAAAGTTT CCTCCCTGCCCAACAAACAGAAAATCGTCAAAGTCAGCTTTGACAAAGAGATTGTCAACC CGACCGGCTTCGTAACCTCCTCACCGGCCCGCATCGCCTTGGACTTTGAACAAACCGGCA TTTCCATGGATCAACAGGTACTCGAATATGCCGATCCTCTGTTGAGCAAAATCAGTGCCG CACAAACAGCAGCCGTGCGCGTCTGGTTCTGAATCTGAACAAACCGGGCCAATACAATA CCGAAGTACGCGGGAACAAAGTTTGGATATTCATTAACGAATCGGACGATACCGTGTCCG CCCCGCACGCCCGCCGTAAAAGCCGCGCCTGCCGCACCGGCAAAACAACAGGCTGCCG CACCGTCTACCAAGTCCGCAGTATCCGTATCCGAACCCTTTACCCCGGCAAAACAACAGG CTGCCGCACCGTTTACCGAGTCCGTAGTATCCGTATCCGCACCGTTCAGCCCGGCAAAAC CACCAGCAAAACAACAGGCGGCAGCACCAGCAAAACAAACCAATATCGATTTCCGCAAAG ACGGCAAAAATGCCGGCATTATCGAATTGGCTGCATTGGGCTTTGCCGGGCAGCCCGACA TCAGCCAACAGCACGACCACATCATCGTTACGCTGAAAAACCATACCCTGCCGACCACGC TCCAACGCAGTTTGGATGTGGCAGACTTTAAAACACCGGTTCAAAAGGTTACGCTGAAAC GCCTCAATAACGACACCCAGCTGATTATCACAACAGCCGGCAACTGGGAACTCGTCAACA AATCCGCCGCGCCCGGATACTTTACCTTCCAAGTCCTGCCGAAAAAACAAAACCTCGAGT CAGGCGGCGTGAACAATGCGCCCAAAACCTTCACAGGCCGGAAATCTCCCTTGACTTCCA AGATGTCGAAATCCGCACCATCCTGCAATTTTGGCAAAAGAATCCGGAATGAACATTGTT GCCAGCGACTCCGTCAACGGCAAAATGACCCTCTCCCTCAAGGATGTGCCTTGGGATCAG GCTTTGGATTTGGTTATGCAGGCGCGCAACCTCGATATGCGCCAGCAAGGGAATATCGTC **AACATCGCGCCCCGCGACGAGCTGCTTGCCAAAGACAAAGCCCTCTTACAGGCAGAAAAA**

GACATTGCCGATTTGGGTGCGCTGTATTCCCAAAACTTCCAGTTGAAATACAAAAATGTG GAAGAATTCCGCAGCATCCTGCGTTTGGACAATGCCGACACGACCGGAAACCGCAACACG CTTATCAGCGGCAGGGCAGCGTGCTGATCGATCCCGCCACCAACACCCTGATTGTTACC GACACCCGCAGCGTCATCGAAAAATTCCGCAAACTGATTGACGAATTGGACGTACCCGCG CAACAAGTGATGATTGAGGCGCGTATCGTCGAAGCGGCAGACGGCTTCTCGCGCGATTTG GGCGTTAAATTCGGCGCGACAGGCAAGAAAAAGCTGAAAAATGATACAAGCGCATTCGGC TGGGGGGTAAACTCCGGCTTCGGCGGCGACGATAAATGGGGGGCCGAAACCAAAATCAAC CTGCCGATTACCGCTGCCGCAAACAGCATTTCGCTGGTGCGCGCGATTTCCTCCGGTGCC ttgaatttggaattgtccgcatccgaatcgctttcaaaaaccaaaacgcttgccaatccg CGCGTGCTGACCCAAAACCGCAAAGAGGCCAAAATCGAATCCGGTTACGAAATTCCTTTC ACCGTAACCTCAATCGCGAACGGCGGCAGCAGCACGAACACGGAACTCAAAAAAGCCGTC TTGGGGCTGACCGTTACGCCGAACATCACGCCCGACGGCCAAATCATTATGACCGTCAAA ATCAACAAGGACTCGCCTGCGCAATGTGCCTCCGGTAATCAGACGATCCTGTGTATTTCG ATTTATGAAGAAGACAACGGCAATACGCTGACCAAAGTCCCCCTGTTGGGCGACATCCCC TTCATTACCCCGAGGATTATGGGTACGGCCGGCAACAGCCTGCGCTATTGATGCGTCAAA ATAAGGGCATATGTTTTACGGCATATGCCCTTTCTTTATGCTTTTTTGCCGCGACCGAAAT GCCGTCATTCCCGCGCAGGCGGGAATCCAGTCCGTTCAGTTTCGGTCAGTTTCGGTCATT TCCGATAAATTCCTGTTGCTTTTCATTTCTGGATTCCCACTTTTGTGGGAATGACGGCGG AAGGGGTAAATCCTCACAACCCAAAGCCTCGTCATTTCCACAAAAAACAGCAACCCGAAA CAGCAACTTAAAACCCCGTCATTCCCGCGCAGGCGGGAATCTAGGTCTGTCGGTTCAGGA ACTTATCGGATAAAACGGTTTCTCCAACCCTGCGTTCTAGATTCCCACTTTCGTGGGAAT GACGGGATATGGGTTTCCGTGCGGACGTGTTCGGATTTCCGCCTGCGCGGGAATGACGGC GACAGATGCCCAACGGTCTTTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCC GCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGTTTCAGCACCTTAGAGAATCG TTCTCTTTGAGCCAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATAGTATT GATAAACATATTATCTTCAATATATTCAATTGGATAATTGTTTACCTAAGCAAAGATAAT TGCCTTTTCCTGACAAATAAGTGAAATCAACGGATTGTCAAAACACAGCCTGAAATAAAA **AACCTCCCTGATTTCTTTTATTTGTCCTTAAAATCAGAAAGGTTCGGGATGGTCGGGTTA** TTTTTCCAAACGTACCGCCGCCCTGCCGATTTCGTATAAAATTCCGCCGTAACCCGACAA GCCCGAACCCTGTCGCCCCGAAAGGCGGGGTGTCAAACATTAAGGAATTGTGATGAAAAA CTTTAACGGCAAACTCATCCTCATCGGACTGATGGGCGCGGGCAAAACCACGCTGGGCCG GCAAATGGCGCAGCGGCTGGATTACCGTTTTTACGACAGCGATCACGAAATCGCCGCAGC CGCCGGCGTTCCCATCCCCACCATATTTGAAATGGAAGGCGAACAGGGATTCCGTTCGCG CGAAACCGCCATACTCAAAAAGCTGGTTATCCTGCCCCATATCGTCCTGTCCACCGGCGG CGGCGCGTGTTAAAAGAAGAAAACCGCGCCCTTATCCGCAAAAGCGGCACGGTCGTCTA TCTGCACGCCCGCCGAAACCCTGCTCGAACGCACGCGCTGCGACAACAGCCGTCCTTT GCTGCAAGTTGCCGATCCTTTGGCGAAATTACGTGAACTCTACGCCGCACGCGACCCCGT TTACCGCCAAACCGCCGACTTTACCGTAGAATCGGCAAACTGCCGGGAAACCGTGCAAAC CCTGCTCAAACGCTTATCCCGATAAACCGGCATATGCGCCGCGCCCAGAAAACCAAACCG CGCCCGCCCGGCGGGCCGGCGGTTCAAACTTTAAGGAACAACAATGAAAACACTGACCG GAAGCCTGCTCAAACCGCATTTGGGCAAACGCGCCGCCATCATCGCCAACGAAACCGTCG CCCCGCTCTACCTCGGCACGCTTCAGACGGCATTGGATGCGGCAGGCGTATCCCATTTCA GCATCATCCTGCCCGACGCGAGGCGCACAAAAACTGGCAGACGCTCAACCTCATCTTTG ACGGGCTGATGCAAAACCGCGCGGAACGCAAAACCACATTAATCGCACTGGGCGGCGGCG AAATACCGACCACGCTGTTGAGTCAGGTCGACTCATCGGTGGGCGGCAAAACCGCCATCA ACCACCGCTCGGCAAAAATATGATTGGCGCGTTTTACCAGCCGCAGGCGGTGCTTGCCG ACTTGGACACGCTGCACACCCTGCCCGCCGGAATTGTCCGCCGGTATGGCGGAAGTCA TCAAATACGGCGCGCTCGGCGACATCGGCTTTTTTGAATGGCTGGAACAGCATATGCCCG **AACTGATGACGCTCGATCGGGAAAAACTCGCCCAAGCCGTGTACCGCTGCTGCCAAATGA** AGGCAGACATCGTCGCCCAAGACGAAACCGAACAGGGCATACGCGCATGGCTCAACCTCG GACACACCTTCGGACACGCCATTGAAACCGAGATGGGTTACGGCACTTGGCTGCATGGAG AAGCCATCGCCGCCGGCTGCGTGTTGGCGGCGCGTTTGTCCGAACAACTGGGCAAAAACCT CCGCCGCAGATACCGCGCGCCTCGCCGCCCTGCTCGAAGCCGCCGGACTGCCGTCCGCGC CACCCGTGTTTGCCTTTGAAAAATGGCTGGAACACATGAGCCACGATAAAAAAGTCAGCG GCGGCATCATGCGCTTTATCGGTCTGAACCGGCTGGGCGAAGCCAACATCACCGAAATTA CCGACACGGACATCCTCCGCCGCACCCTGCAACCGTATCTCTGATTTCCTCTGCCGATGT GCTGCCGCGCGGGTTTGACGCACGATGATGATTTTCCATCATCTTTCTCCGCAAAAGCGG GAATCCAGTCCGTTCGGTTTCGGTCGTTTCCGATAAGTTCCCGTTGCTTTTCATTTCTAG ATTCCCACTTTCGTGGGAATGACGGCGGAGAGGTTTTTGTTGTTTCGGAGAAGTTTCTGC AACCCTAGAATCTCGTTATTTCCACAAAAAACAGAAAACCAAAACAGCAACTTAAAACCT CGTCATTCCCGCAAAAGCGGGAATCCGGTCCGTTCGGTTTCGGTCGTTTCCGATAAATTC CTGCTGCTTTTCATTTCTAGATTCCCACTTTTGTGGGAATGACGGCGGAAGGGTTTTGGT TTTTTCCGATAAATTCTTGAGGCATTGAAATTCTATAGTGGATTCACAAAAATCAGGACA AGGCGACGAAGCCGCAGACAGTACAGATGGTACGGAACCGATTCACTCGTGCTTCAGCAC CTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGACAACGCCGTACCGGTTTTTGTTCATC CACTATAACAGCAACCCTGTCGCCGTCATTCCCGCAAAAGCGGGAATCCAGTCCGTTCGG TTTCGGTCGTTTCCGATAAGTTCCCGTTGCTTTTCATTTCTAGATTCCCACTTTCGTGGG **AATGACGGCGGAAGGGTTTTGGTTTTTTCCGATAAATTCTTGAGGCATTGAAATTCCAGA** TTCCCGCCTGCGCGGAATGACGGCTCAAAAGTTACGGAACGAAAAACAACCAAAACCGG ACAAGTCGGATTCCCGCCTGCGCGGGAATGACGGAATCTTAAGTTTCCGTCTTTGTTTTC TGTTTTCTGTTTTCGAGGGAATAATGGGGAACAAGCCGTATTTCAGACGGCATTTTCAGT

TCGGGGTATAATCCGAATACTTGCGACCATCTGAATCATTGGGACAAACCATGTGTCAAC TGCTGGGCATGAACTGCAATACGCCGACCGATATTATGTTTTCCTTTGAAGGCTTCCGCC GCAGGGGCGCATTACCGACCACCATGCCGACGGTTTCGGTATCGGCTTTTTCGAAGGCA AAGGCGTGCGCCTGTTCCACGACGACAAGCCGAGCGTAAATTCCCCCGTCGCCGACCTCG TGCGTGCCTACCAAATCAAATCGGAAAACGTCATCGCACATATCCGCAAAGCATCGCAAG GACAAACCTCGCTGGCGAACACCCATCCCTTTATGCGTGAAATGTGGGGCGGCTACTGGC TGTTTGCCCACAACGGACATTTGATTGATTTTTCCCCGAACAGGGCGAATTTTTCCACC CCGTCGGCACAACCGATTCCGAACGCGCGTTCTGCCACATCCTCAACCGCCTGCGCACCC GCTTTGCCGCCCGTCCCGACGACGACGCTGTTTGACGCGATTGCGGGGCTGACGCACG AAATCCGCAAGTTCGGGCTGTTTAACTTTATGCTTTCAGACGGCATTGCCCTGTTTGCCC ACGCCAGCACGCTGCTGCACTACATCGTCCGCCAAGCCCCGTTCGGCAAGGCGCGCCTGC TCGACGACGACGTGATGGTCGATTTTGCCGAAGTAACCACGCCCTCCGACCGCGTCGCCG TTATCGCCACCCTGCCACTGACCCGCGACGAATCATGGTCCCAACTTGCCGTGGACGAAC TGGTCATGTTCCGCGAAGGCAACATCGTCCGACACGACCGTCCCGAAAACCCCGTCTATA TGAGTGCCGAAGAAGGTCTGGAAATCGCCCGCCGCCGCCGCCGTCGCCGTCTGAACTTCAG ACGACATAGGAGGACCACCCGATGAAATGCCCGTTTTGCGCCCACCCCGACACCCCGCGT TGCCGATTCGCGTCTGATGGAAGAACGCAACGCCGTGCGCCGCCGCCCACTGCCCCAA CTGCGGCAAACGCTTCGGCACGCTCGAAACCGCCGAACTCAAAATGCCCGCCGTCATCGG TCCGGACAAAAAACGCTCGCCCTTTAATGCACAACGCCTCCGCAACGACCTGACCGCCGC CGCCCGAAAATCCGCCCTGACACCCGAACAGATCGACGAAACCGTCCGCCTGACGGAACA CAGGCTCTACACTTCGGGTCAGCGCGACATCCCCTCTGCCGCACTTGCCGACATGGTGCT CTTCGACAATCCGGCAGACTTTGCCTCGTGGCTGGCGCAAGCCGTCAAAACAGGCGGCAA AGCCTGATTCCCCCAACCCATACTGATACGGTATCCCTATGTTTTCGGACACAGATATAT CCATGATGGAAAACGCCCTCCGACTTGCCGCTTTGGGGCGTTTTTCCACTTCGCCCAATC CGCGCGTCGGCTGCGTTATCGCACACGGCAGCCAAATTGTCGGGCAAGGCTTCCACGTCA AAGCGGGCGAACCCCATGCCGAAGTCCACGCCCTGCGTCAGGCGGGGAAATGGCACAAG GCGCGACCGCCTTTGTTACCCTCGAACCGTGCAGCCATTACGGGCGCACACCGCCCTGTG CCGAAGCACTGGTGCGGGGGGGGGTGTCCCGGGTCGTTGCCGCCATGCGCGACCCCAACC CGCTGGTTGCAGGCAAAGGGCTTGCCCTGCTCGAAGCAGCAGCATCAAGACGGAATGCG GTTTACTCGAACATCAGGCAAGGGAACTCAACCGAGGCTTCCTGTCGCGCATCGAACGCC GCCGCCCTTTGTCCGCCTCAAATGCGCCGTTTCGCTGGACGGCAAAACCGCCCTTTCAG ACGGCAGCAGCTTTTGGATTACCGGCGAAGACGCGCGTGCCGACGTACAGGTTTTGCGTG CCGAAAGCTGCGCGGTGCTGACCGGCATCGGCACGGTGTTGGCGGACAATCCCCGGCTCA ACGTCCGCGCTTTTCCAACTTTGCGCCAACCCGCACGCATCGTTTTAGACAGCCGCCTGC GCCTGCCCCGAACAGCCATTTGGTTACCGACGGACAATCTCCGACCTACATCGCCACAC TCGAACGCAACGAAGACAGACTGCACCCCTATCGGGAACACGCACACGTCCGCATCCTGA TGCCGTCTGAAACGGCAGACAGCAAAATCGACCTGCACCACCTGATGCGCCTCCTTGCTG ACGAAGGTTTCGGCGAAATCATGGTCGAAGCAGGCTCCGAACTCACATCCGCATTTTTGG CAGAAAATCTGGCAGACGAAATCGTCCTGTACCGTTCGCCCAAAATCCTCGGCAGCGGCA AAGACCTGTTTTCCCTGCTCGAAAACCGCGCCCCTTTCCGCACCGCCCTTGTGGACAC CCGTTTCAAGCGAAATCCTCGGACACAACATCAAAACCGTGTTCCGAAAAAACGGCAACG CCTTTTAAAGGGTTTGCGCCGTTTCACTATATAATAACGCCGATAAAAAACGGCCCCGTT ACGGTCTGAAAGCCGTCAAATTCCGATCAAGAAAGGCTTCAGACGGCACAGGCAGCATCC CGCCGCCGCCGGACATCAAAAATGGACACAAAAGAAATCCTCGGCTACGCGGCAGGCTC GATCGGCAGCGCGGTTTTAGCCGTCATCATCCTGCCGCTGCTGTCGTGGTATTTCCCCGC GTGCCTCGGGCTGGATCAGGCATACGTCCGCGAATACTATGCCACCGCCGACAAAGACAC CTTGTTCAAAACCCTGTTCCTGCCGCCGCTGCTGTCTGCCGCCGCGATAGCCGCCCTGCT CATCGGGCTGGTGCTGTTTGAACTGAGCTTCCTGCCCATCCGCTTTCTCTTACTGGTTTT GCGTATGGAAGGACGCGCCCTTGCCTTTTCGTCCGCGCAACTCGTGCCCAAGCTCGCCAT CCTGCTGCTGCCGCCTGACGGTCGGGCTGCTGCACTTTCCAGCGAACACCGCCGTCCT GACCGCCGTTTACGCGCTGGCAAACCTTGCCGCCGCCCTTTTTGCTGTTTCAAAACCG GCGCTACGGCATACCGATCGCACTGAGCAGCATCGCCTATTGGGGGGCTGGCATCCGCCGA CCGTTTGTTCCTGAAAAAATATGCCGGCCTGGAACAGCTCGGCGTTTATTCGATGGGTAT TTCGTTCGGCGGGGCGCATTATTGTTCCAAAGCATCTTTTCAACGGTCTGGACACCGTA CGCCGCCGCCCTGCTTGCCTCCGCCCTCTGCCTGACCGGCATTTTCTCGCCCCCTTGCCTC CCTCCTGCTGCCGGAAAACTACGCCGCCGTCCGGTTTATCGTCGTATCGTGTATGCTGCC GCCGCTGTTTTGCACGCTGGCGGAAATCAGCGGCATCGGTTTGAACGTCGTCCGCAAAAC GCGCCCGATCGCCGCCACCTTGGGCGCGCCGCAAACCTGCTGCTGCTGGGGGCT GTTTTTTGCCTTCAAGACCGAAAGCTCCTGCCGCCTGTGGCAGCCGCTCAAACGCCTGCC GCTTTATCTGCACACATTGTTCTGCCTGACCTCCTCGGCGGCCTACACCTGCTTCGGCAC GCCGGCAAACTATCCCCTGTTTGCCGGCGTATGGGCGGCATATCTGGCAGGCTGCATCCT GCGCCACCGGAAAGATTTGCACAAACTGTTTCATTATTTGAAAAAACAAGGTTTCCCATT ATGAAAATCGTTTTGACCACATCTATGGCAGGCTTGGGCGGCACGGGCACGATATCATCG ATTGCCAAATGGCGTGCAAAAACGACCCCGTTCAGTCCGACGAAATCGTCCGCCGCTTCA GGCGCGACATTTCCTATCGGAAAATCGTCAACCTGATTGAAAGATTGGCAAATGAGTAAA TTCTTCAAACGCCTGTTTGACATTGTTGCCTCCGCCTCGGGACTGATTTTCCTCTCGCCA GTATTTTTGATTTGATATACCTCATCCGCCAAGAATCTAGGTTCGCCCGTCTTCTTCTTT CAGGAACGCCCCGGAAAGGACGGAAAACCTTTTAAAATGGTCAAATTCCGTTCCATGCGC

GACGCGCTTGATTCAGACGGCATTCCGCTGCCCGACGGAGAACGCCTGACACCGTTCGGC AAAAAACTGCGTGCCGCCAGTTTGGACGAACTGCCTGAATTATGGAATATCTTAAAAGGC GAGATGAGCCTGGTCGGCCCCGCCCGCTGCTGATGCAATATCTGCCGCTGTACGACAAC TTCCAAAACCGCCGCCACGAAATGAAACCCGGCATTACCGGCTGGGCGCAGGTCAACGGG CGCAACGCGCTTTCGTGGGACGAAAAATTCGCCTGCGATGTTTGGTATATCGACCACTTC AGCCTGTGCCTCGACATCAAAATCCTACTGCTGACGGTTAAAAAAGTATTAATCAAGGAA GGGATTTCCGCACAGGGCGAAGCCACCATGCCCCCTTTCACAGGAAAACGCAAACTCGCC GTCGTCGGTGCGGGCGGACACGGAAAAGTCGTTGCCGACCTTGCCGCCGCACTCGGCCGG TACAGGGAAATCGTTTTTCTGGACGACCGCGCACAAGGCAGCGTCAACGGCTTTTCCGTC ATCGGCACGACGCTGCTGCAAAACAGTTTATCGCCCGAACAATACGACGTCGCCGTC GCCGTCGGCAACAACCGCATCCGCCGCCAAATCGCCGAAAAAGCCGCCGCGCTCGGCTTC GCCCTGCCCGTTCTGGTTCATCCGGACGCGACCGTCTCGCCTTCTGCAACAGTCGGACAA AGCCCAGGCGCGCACCTGTCGGGCAACACGCATATCGGCGAAGAAAGCTGGATAGGCACG GGCGCGTGCAGCCGCCAGCAGATCCGTATCGGCAGCCGCGCAACCATTGGAGCGGGCGCA GTCGTCGTACGCGACGTTTCAGACGGCATGACCGTCGCGGGCAATCCGGCAAAGCCGCTG CCGCGCAAAAACCCCGAGACCTCGACAGCATAAGCGATTAAAATACACCCCCGTACAGAC CGATTTTGACAACACCTGCGGCGCGCGCGCGCTTCTCGGAACACGCCCCCCTTCAGACG GCATAGGGTCGGAAATGCCGTCTGAAAACCGACGGACAAACCATCATGCTGAACACTTTC CTTTCCCCGTGGCCCTGCTTCACCCAAGAAGAAGCCGATGCCGTTTCCAAAGTCCTGCTG TCCAACAAAGTCAACTACTGGACGGGCAACGAATGCCGCGAATTTGAAAAAAGAATTTGCC GCCTTTGCCGGCACGCGGTACGCCGTCGCCCTTGCCAACGGCACGCTGGCACTCGATGTC GCGCTCAAAGCAATGGGCATAGGCGCGGGCGACGATGTGATTGTTACCTCGCGCACCTTC CTCGCTTCCGCGTCCTGCATTGTGAACGCGGGCGCAAACCCCGTGTTTGCCGATGTGGAT TTGAACAGCCAAAACATCAGCGCGGAAACCGTCAAAGCCGCGCTGACACCGACTACCAAA GCCGTCATCGTCCACCTCGCCGGTATGCCCGCCGAAATGGACGGCATTATGGCTTTG GCAAAAGAACATAATCTTTGGGTAATCGAAGACTGCGCCCAAGCGCACGGCGCAAAATAC AAAGGCAAATCCGTCGGCTCTATCGGACACGTCGGCGCGTGGTCGTTCTGCCAAGACAAA ATCATGACCACCGGCGGCGAAGGCGGTATGGTTACGACCAACGACAAAACCCTGTGGGAA AAAATGTGGTCGTACAAAGACCACGGCAAAAGCTACGATGCCGTGTACAACCACGAACAC GCGCCCGGTTTCCGCTGGCTGCACGAAAGTTTCGGCACAAACTGGCGTATGATGGAAATG CAGGCGGTCATCGGACGCATCCAGCTCAAACGCCTGCCCGAATGGACGGCGCCGCCGA GAAAACGCCGCCAAGCTGGCGGAAAGTTTGGGCAAATTCAGCAGCATCCGCTTGGTTGAA GTCGCCGACTACATCGGACACGCGCAATATAAGTTCTACGCCTTCGTCAAACCCGAACAC CTCAAAGACGGCTGGACGCGCGACCGCATCGTCGGCGAACTGAACGCGCGCAAAGTCCCC TGCTATCAAGGCAGCTGCTCCGAAGTCTATTTGGAAAAAGCCTTCGACAACACGCCGTGG CGACCGAAAGAGCGTTTGACAAATGCTGTCGAGTTGGGCGACACCAGCCTGATGTTCTTG GTGCACCCGACGCTGACCGACGACGAAATTGCGTTTTGCAAAAAACACATCGAAGCCGTC TTGACCGAAGCCGCACGATAACCCTTCAGACGGCATATGCCGCCTGAAAACACATACCGC CCCACGATATGAATCTGGAAACTCTGATCGCCCTGCCGCGCAACATCAAGAAAATCTGTT TCCTCATACACGATTTTCTGATGATTTTCATTGCCTTTTGGTTCACCCAAAGCCTAAAGG CCGACTACTCGGACGAATGGTTCGATTTTGCCAACTGGCAGTCTTTTTTGCTGACTGCCT TGCTGACCATCACATTATTTATCCGAATGGGGCTTTACCACGCCGTTACACGCTTCGTCA GCTTCCGCATCCTCACCACCGCACTGGCGGGCAGCCTCGCCTCCGCCGTGTTGTTTTTCC TCAATACGCTGATATTTGAAGAAAGGCTGCGCCTCGCCCTGCCGATTGTCTATTTCTTAC TGCTGTTTGTTTCCGTGACCGGCTCGCGTATGGTTTTGCGCGGACTGTTGTCCGAACACC CCAAAAAACAGATGATCCCTGTCATCATTTACGGCGGGGGCGGTCGGGCAGACAACTGC TTGAGGCCGTCAAACAAATGCGCGAATATTCCGCCGCCGCCTTTGTAGACGACGACCCCA AACTGTGGCACACCGTCATCTACGACCTTGCCGTTTACCAGCCCGATGCCATCGCCTTCC TCATCGAACGCTACGGCGTGGAAAAAATCCTGCTCGCCATCCCCGGCGCGACCCAGGAAC AACGCCGCCGAATCATCAACAAACTGGAAGCCTATCCGTGCGAAGTGTTGACCATTCCCG GAATGAAAGACCTGATGGACGGAAAAATCAGCATCGGCACGCTCAAAAAAATCTCTGTGT CCGACCTGCTCGGGCGTGATTCCGTCGCGCCCGACGACCGCCTGATGAGTGCCGACATCG AAGGCAAAACCGTCATGGTAACCGGCGGCGGGCGGCTCCATCGGTTCGGAACTCTGCCGCC AGATTATCCGCCGCCCCCCGAAAAGCTGCTGCTGTTCGAGTTATCCGAATTCGCCCTGT ACGCCATCGAAAAAGAATTGCGCGAAACCTGCATCCAAAAACGCCTCGACACCGAAATCC TGCCCTTTCTCGGTTCGGTGCAAAACCGCACGCTGCTCGAACACGTCATGACCGCCTTTT CCGTTGCGACCGTCTATCACGCCGCTGCCTACAAACACGTCCCCATGGTCGAGTTCAACA CCGTCGAAGGCATACGCAACAACATCTTCGGCACACTCGAGTGCGCGCCTTGCCGCCACGA CATCGGGCGTAAGAACTTTCGTCCTCATCTCCACCGACAAAGCCGTCCGCCCCACCAACA CCATGGGTGCCAGCAAACGCATGGCGGAACTCTGCCTTCAGGCACTCGCCGCAACCCG GACAAAAACCCGCTTCAGCATGGTACGTTTCGGCAATGTTTTAGGTTCGTCCGGCTCCG CGATGGGTACGGGCGGCGACGTATTCGTCCTCGACATGGGTGAATCCGTCAAAATCATCG ACCTTGCCCGCCAAATGATTACCCTAAGCGGCCTCAAACCCAACACCCGAACAACCCG ACGGCGACATCGAAATCCTCATTACCGGACTGCGTCCCGGAGAAAAACTCTACGAAGAGC TGCTCATCGGCGACAACGTCCGCAAAACCGGCCATCCGCGCATCATGACCGCCAACGAGA CCATGCTGCCGTGGCACGAGCTCTCCGCCCTGCTCGACCGCATCCGTGCGGCCTGCGACC GTTACGACCAGCAGCAATCCGCACCCTGCTCATCAACGCCCCGACCGGCTTTGCCCCGA GCGACGGCATCTGCGACCTGCTTTGGGTACGAGAAACACACAGAAAAAAATGCCGTCTGAA TTCTCAGCATTCGGCGAAAAATTCACGCAACACAGGGGCATCCTCCAACTGATGGACGAC CTCGGCGACGCGCTCAAAAGCGACAAGCCCGTCAACATGCTCGGCGGCGGCAACCCGGCG

CGCATTCCGGAAATCGATCAGGCGTTCGCCGACATATTCTCCAAACTGGCGGCAGAACAC GCCGTCGAAAACATCGGCAACTACTCCAATCCCCAAGGCGATGCCGTGCTGATTGACGCG CTGACCGCCTTCCTCAACCGCGAATACAGCTGGAATCTGACCGCCGACAATATCGCGCTG ACCAACGGTTCGCAAAACGCGTTTTCTATCTTTTCAACCTCTTCGGCGGCAAATTCAAC CTTTCAGACGGCACATCCGCAGAAAAAGCCATTTTGTTGCCGCTCGCGCCCGAATACATC GGCTATGCCGACGTGCATGTCGAAGGGCAGCACTTCGTTTCCGTCAAGCCCAAAATCGAA AACGTCGAACACGAAGGCGAAGCCGGCTTCTTCAAATACCGCGTGGACTTTGACGCACTG GAAAACCTGCCCGAACTCAAAGCGGGCAAAATCGGCGCGATTTGCTGTTCGCGCCCGACC AACCCGACCGGCAATGTGTTGACCGACGGCGAAATGGCGCGTTTGGACGCTTTGGCGCGT GAACACGGCATTCCGCTGATTATCGACAACGCCTACGGAATGCCGTTCCCCAACATCATT TACAGCGACGTAACGCTGAATTGGCACGAAAACATCATCCTCTGCTTCAGCCTGTCCAAA GTCGGCCTGCCGGGCGTGCGCACCGGCATCATCGTCGCCGCGCCCCGAAGTCGTCAAAGCC GTCAGCAGCCTGAACGCGATTGTGAACCTTGCCCCCACGCGCTTCGGCGCGGCCATCGCA ACGCCGCTGCTGGAAAGCGGCGAGATGAAACGGCTTGCCGACCAAGTCATCCGGCCGTTT TACCGCAATCAGGCGCAAACCGCCGTCTCGCTGCTCAAGCGGGAGCTGGGCGCGTACCCG ATGAAAATCCACAAACCCGAAGGCGCGATTTTCCTGTGGCTCTGGTTTGAAAACCTGCCC GTTTCTTCGCAAACCCTGTACGAAATGCTCAAAGCCGAAGGCACACTGATTATTCCGGGC GAACATTTCTTCGTCGGCATCGACACGCAGGATTACCCGCATGCGGGCGAGTGCATCCGC ATGAGCATCGCGCAGGACGCTCAAACGCTGGAAAAAGGCATTGCCGCCATCGGTAAAACC GTCCGAAAACTGTACGACAACGTTTAAAACGCAAAAAATGCCGTCTGAAAAGTTTTCAGA CGGCATTTTTATCTGCATTCAATATCGGGAAAAATGTTCCCAAACCGGTTTGCAGTTTTC CGGCAGCTCGGGACACGCGCCGAGGATGCCGCCGCTGAAGTCGTTTAAGCGGTGGAAGTC GCTGCCCGCGCTGGCGAGCATACCGAAGCGTTCTGCCAAAAGCGCGTAGTTGAGGCGGTC GTTTTTGCAGCAGTTTCCGCTGTGGACTTCGATGCCTGCGCCGCCGAGGTTTTTAAATTC TTCAAACAAATTGCGCTTGGCGGTGGCGACAAATCGTAGCGCATGGGGTGGGCGATGAC TGCCATGCCGCCCGCTCGGTTGACGGCGGAGACGCAGTCTTCCAGCGTCGCCCATTCGTG GCGGACGGCGCAGGATTTGCCGTCGCCCAAGTATTTGGTGAACGCCTGCTGCTTGTTTTT GACGTGTCCCGCTTGGATGAGGAACTCGGCGACGTGGGTGCGGCTGACCATTTCTTTGTT GGCGATGGCTTCAAGACGTTTCAGACGGCCTTTCCGCACTTGCGCCCAACAGGTTTTGCAG GTTTTCGTCCTGCTCGAAATCCAAACCGACAACGTGTATGGTGCGCCCGCGCCACGT TTCGGCGATGCCGCCGGTGTGGTCGTGGTCGACGCCAGCAGCGTGCAGCCGTTTTG ATGCGCGAGGCGCACGACTTCGGCGGGGGAGAGCATACCGTCGGAAACGGTGGAATGGCA CGGTTGGTGTGGATACAGCGGTGATTTCAACAAACAGGTGTATGGCAAATGCAAAGGAAA AGTCCCTATGCCGTCATTCCCGCGCAGGCGGGAATCCAGACCTTGATTTGTCAAAAATAT TTAAGGTTAACCGCTATTTCGAACTTCCGGATTCCCGCCTGCGCGGGAATGACGATATGG ACGTTTTCAGTTTTAATCTACTATAAAAGACTGTCTGAAAACGTGGTTTTATAGTGAATT AAATTTAAACCGGTACAGCGTTGGCTCGCCTTGGCTCAAAGAGAACGATTCTCTAAGGTG CTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTCGCCGCCTTGT CCTGATTTTTGTTAATTCACTATATCAAGCCGAACCGTTTCAGACGGCATCGTCCGACCA ACCCGCTTCTTTCAATTTCTGCCGTTGCACGTCGTATTTGGCTTTATCCGCCCAGTAAAT CGTCTGAATGCACGCCTCGCCGCAGTCGCTGCCGCAGCATTCCCACGACTCGGGTCGGAC GGGTTCGTCTAAAAGCGGCTCGCCCAAAAGGGCTTCGGCTTTATACTTCAGGGTCGTATC CATCGGCGATTTCCAAGCGAGCGCCGTCAAACTCGATGACTTCGCCGCCGCGTATTTTGG CGGTTTTACGGGTTTCGGTTTCGCCGTTGCGCAACACCAGCCCTTCGGCGATAAACGCTT TCGCCTGTCCGCCGCTTTCGGCAAGTCCGACCAATTTCAAGAGGTCGCACAAGGCGATGT ATTCGTTGTCTTCGAGATAGACAGTGGCTTCCATAATGTTCCCTTGCAGAAAGAGGCCCGT TATTGTAGCACCTGCCGCCGCCGTACCCAAAATTACCGAAAAACCGGCGATGTATCCGCA CCGCCTGTTCCGTAAAAGTAAAAATGCCGTCTGAAACCCCATATGCCGCCATCCGTTCAA AGAAATCCTGCCCAACGGCAGACTGCAAATCCTGTTCCCCGACGAATCCGCATTGACGCT GATGCACATCCTCAAACGCGAACTGCCCGATACACCGGCAATCGGCATCAAAACGAAATC CGCCATACGGCAGGAGGCATTTTTTTGCCGTAGTAAAAGCTCAAAAACATTTGCAGGTCA TGCCGTCTGAACCCGAAACGGCATTACCTACACCGCCATCTAAAGACAACCCTGCTACAA TACGCCTTTTATTGTCCACGCCGATTTTGCCATGACCGAGCCGACCTACATTCCCCTGCG CCTGCATACCGAATTTTCGATTACCGACGGTATGGTGCGGATTAAAAAACTGATTGCCAA AGCGCAGGAATACGGTTTGCCTGCTTTGGGCATCAGCGATTTGATGAACGAATTCGGTTT GGTGAAATTTTATAAAGCCTGCCGCAGCGCGGGGATTAAGCCTATCGGCGCGGGGATGT GCGGATAGGCAATCCGGATGCGCCCGACAAGCCGTTCCGCGCTATGCTGATTATCCGTAA CGATGCGGGCTATCTGCGCTTGAGCGAGCTTCTGACGGCGGCTTATGTCGGCAAAGACCG CAATGTCCATCATGCGGAACTCAATCCCGAATGGCTGGAAAACGGCGACAACAGCGGCTT GATTTGTTTGAGCGGCGCACATTACGGCGAAGTGGGCGTGAATCTGTTGAACGGCAATGA AGACGCGGCGCGTACGGCGGCGTTGAAGTATGCGGCGTGGTTCCCCGATGCGTTCTATAT GGAGCTGCAACGCCTACCCGAACGCCCCGAATGGGAGGCTTGCGTTTCGGGCAGCGTGAA GCTGGCGGAGGAATTGGGTTTGCCGGTGGTGGCGACGCATCCGACACAGTTTATGAGCCG CGACGATTTCAACGCGCACGAGGCGCGAGTGTGTATCGCAGGCGGCTGGGTATTGACGGA CAAGAAACGTCCGCGGATTTCACGCCGGGCCAGTTTTTCATTCCGCCGGAAACCATGGC CGAACGTTTCGCCGATTTGCCTGAAGCCTTGGAAAACACGGTAGAAATTGCCAAACGCTG CAACCTGCACATCACATTGGGCAAAAACTTCCTGCCCCTTTTCCCCCACGCCCGACGGTTT ATCACTCGATGACTATCTCATCAAACTCTCCAACGAGGGTTTGCAGGAACGTATGGTTCA GCTTTATCCCGACGAGGGGGGGGGGGGCGAAAAATGCCGGAATATCAGGAACGTTTGGA TTTTGAGCTGAACATCATCATCCAAATGAAATTCCCCGGCTATTTCCTTATCGTACAAGA

CTTTATCAACTGGGCGAAAACACACGGCTGTCCGGTCGGGCCGGGCCGTGGTTCGGGCGC GGGTTCGCTGGTGGCGTATTCATTGAAGATTACCGACCTTGATCCGCTCAAATACGCGCT GCTGTTCGAGCGTTTCCTAAACCCCGAACGCGTTTCTATGCCCGACTTCGACGTGGACTT TTGCCAAAGCAACCGCGGCCGCGTGATTGAATATGTGCGCGAGAAATACGGCGCGGAGGC GGTCAGCCAGATTGTTACCTTCGGCACGATGTCGTCCAAAGCGGTCATCCGCGACGTCGG GCGCGTGTTAGAGCTGCCGTTTATGCTGTGCGACAAACTGTCCAAGCTGATTCCGTTGGA AGCCAACAAACCCCTGAGTTTGGAAAAAGCCATGGAGACCGAGCCACAGATTCAGGAATT AATCGAAGCGGAAGAAGCGGACGAACTGATTACGCTGGCGAAAAAGCTGGAAGATTTAAC GCGCGGTTTGGGTATGCACGCAGGCGGCGTGTTGATTGCGCCGGGCAAGATTTCCGATTA CAGCCCCGTGTATCAGGCGGACGAATCCGCCTCGCCCGTATCCATGTACGACAAGGGCGA CGTGGAAGATGTGGGTTTGGTGAAATTCGACTTTTTGGGTCTGCGCAACCTGACCATTAT CGAAATGGCGCAGAACACATCAAAAACACTACCGGCGACATCATCGATGTCGGCAAAAT CCCGCTTGACGACCAGGTCGCCTACCAAATCTTCCGCGATGCGAACACCACCGCCGTCTT CCAGTTTGAGTCGACCGGCATGAAAAAATGCTGAAAACGGCGCACACGACCAAGTTTGA AGAACTCATCGCCTTCGTATCGCTCTACCGCCCCGGCCCGATGGACAACATTCCCGACTT CGCGCCGACCTACGGGATTATGGTGTATCAGGAACAAGTGATGCAGGCGGCGCAAATTAT CGGCGGCTACTCGCTCGGCGGCGCGGACCTGCTGCGTCGCGCCATGGGTAAGAAAAAACC CGAAGAAATGGTGAAACACCGCGAAATCTTCGCCGAAGGCGCGGCAAAACAAGGCATTTC GCGCGAAAAATCCGACGAAATCTTCAACTACATGGAAAAATTCGCCGGCTACGGTTTCAA CAAATCCCACGCCGCCGCCTACGCCCTGATTTCCTACCAGACCGCATGGCTTAAAGCGCA CTACCCCGCCGAATTTATGGCGGCGACCATGTCGTCCGAATTGGACAACACCGACCAGCT CAAGCATTTCTACGACGACTGCCGCGCCAACGGCATTGAGTTCCTGCCGCCCGACATCAA CGAATCCGACTACCGCTTCACGCCGTATCCGGACATGAAAATCCGCTACGCGCTCGGCGC GATTAAAGGCACGGGGGAAGCCGCCGTCGAATCCATCACCGCCGCGCGCAAAGCGGCGG CAAGTTTACCGGTCTGTTGGACTTCTGCGAGCGCGTCGGCAAAGAACACATGAACCGCCG CACCCTCGAGGCCCTGATACGCGGCGCGCGCTTCGACAGCATCGAACCCAACCGCGCCAT GCTCTTGGCGAACATCGACCTCGCTATGGACAACGCCGACCAAAAAAGCCGCCAACGCCAA TCAGGGCGGGCTTTTCGACATGATGGAAGACGCCATCGAACCGGTGCGGCTCATCGACGC GCCGATGTGGAGCGAATCGGAAAAACTCGCCGAAGAAAAAACCGTCATCGGCTTTTACCT GTCCGGCCACCCGTTCGGCCCGTATGCCCAAGAAGTCCGCCAAATCGCACCGACCAAATT AGACCGTCTGAAGCCGCAAGACAGCGTGCGCCTCGCCGGATTCGTTACCGCCGTGCGTAC GATGATGGGCAAACGCGGCAAAATCGCCTTCGTCAGCCTCGAAGATTTGAGCGGACAGGT TGAAATCATGGTCGGCGGTCAGACGTTGGAAAACTGCGCCGACTGCCTCAAAGCCGACCA AGTGCTGATTATCGAATCCAAAGTCAGCCGCGACGACTACGGCGGCGGCGACGGCTGCG TATTCTGGCAAACCAAGTCATGACCCTGCAAACGGCGCGCGAACGCTACGCCCGCAGCCT CAGCCTCGCCCTCGCCCCGCATCACGACATCGGCGGACTGGTACGGCTGCTCGCCGCCCA CCAACTGCCCGACACGCCGCGCATCCCGCTGCAACTGTCGTATGCCAACGAAAAAGCGTC GGGCAGGCTTCAAGTGCCGCCGAAATGGACGGTTACACCGAGCTCCGCATTGTTCGGCGA ACTGGAAACATTGCTCGGCAGCCGGTCGGTGCGCGTCAACTGGTAACCCAAAATATAAAT GCCGTCTGAAGCCCAAAAACCGGTTTCATTCGTACTTTATTCGAATGATTGAATAAAAGT **AACTGCCAAGAAAAACGTATTTTTTGGTTATTTCGCCAGTCTAAATAGAGCAACCGGGAC** GATTGATATCCGTGTGCATGACACAGACAGCACCAAAGGGAAAAACGGCATTTTCCAAAG TATCGGTATCAAAACCGCCCTTTCACTCCAAAAATACCAAATCGACAAACCGGGCAAAGA TCAGACGGCCTGAAGCAGGGATTTTTATATCAAAATAAAATGAGAAAGGGAGCAATAACC CTTAGGTAGCTCTTGTTATTTTCCGATGCAAAACAAAGCAGTCATATATTTAATTCCCCC TACCTCTGCCAAGCCTTCCTCAAATATTCGACGCAATCGGTCAGCGAGTAGAACGGGACA TTGCCGTGGTCGGCATTCGGATATTCCCGGAAAAAGACGGCGGCCCCGTGCCTGTCTAAC TCTGCCGCCATTTGTTCGGCCTGCCCTGCCATATCGCGTTCTTCCCTGCGTTTACAATCG CTACCCCGTTCTAGCGCGCCGATGTTGAGGCAGACATCGATGCCGTTTAGCCGGTTTTCA GACGGCATAAAGTCGAGTATCCGCCTGTTGTGCCACCAAATCGATGGGGATACGAGCCAA TGCCGTCTGAAACGGCGGTGGGAAAGCAGGGAATACAGTCCGAACAGTGCGCCGAACGAG TGTCCGAATACGGCGGTTTCATTGCGGTTGAGGGTGTAGCGGCTTTCTAAAAAGGCGGTC AGCTCGCTGTCGATAAAGGCGGCGAAGCGGTCTGCCTGTCCGAACTGCTGCCGTTCGTCT GCTGTGGCGTTGTCTCCAAGCGGCGCGTGTAGTCGGCGGCACGTTGTGCCAAATCGCGC GGGTTGTTCATCAGCGACTGCATGATGTTGAAAAGTGCGGGGAAAAAGGCTTCGCCGTCG AGGACAAAGAGGACGGGATAGCCTTCAGACGGTATTTCGCCGAGTGTTGCCGTCTGAATC CGATAGATTCGCCCCGTGCAGGTGGATTTGATTTCGGTTTCAAAGGCTTGGGGCAGTATG GCAGGTTGGAATGTCTCGGTCGGTATGGGTTTCATGATGTTCGGCTTGTGGGTCAGACTG TTCGCAATGCCATACTCCAGTTGTGAGAGCATAGGGTATGCCGCGCAGCTTGTTGTAGTT TGATGATGCTGCGGCTGCCGTTTCAGACGGCATATTGGTCTTTAAAAACTGTAACGCAGG TTTGCCGTCAGGCTGCGCTCCGAACCGGGAATGTTAAAGGTGCTCTCGCTGCCGACGCGG GCGTAGTAATGGCGGTTGAAGATGTTGTCGGCGTTGATTTGCAGCTTCAGTTTGGGCGTG AAGCGGTATGCCGCCATCGCATCGAACGTGGCATAACCGCCTGCATGTATCCCTGCAGAT GAAGTAATGCCGCTCATCGCGTTCACGCCGCCGCCGATGGTCAGCCCGGACGTAACTTGG TAAGTCGTCCACAGGTTTGCGCTGTGTTTGGGCATCAGCAGGAAGATGCCTTCGTCGCGC GAATTGGAGGCGGTTTTGATTTGGCTGTGCAGGTAGCTGTAACCTGCATGGATTTGCCAT TTCGGTGTCATCGCGCCGCTGATTTCGGTCTCAACACCTTCCATCACGCGTTTGCCCAAT GCGGCGTAACGGGTTTTTTTGTTTGTTTGAGTCCAGCGGTGCGGCGGCGTTTTTATCCTTC ATGCGGTAGAACGAAACCCGGGTATTGAGGCGGTCGTCCATGTAGCTGCCTTTGTAGCCG ATTTCAAACTGGTTGCCTTCGCGGGGTTTGAGCAGCTTGCCGTCGGTGCCGATGCTGGTT TGCGGTGTGTAGAGTTGGGAGGCGGAAGCGTACAGGCTGTTGCTGCCGTCTATATCGTAA

ACCGCGCCGGCGTAGCTTGTAAATTTGGTTTTCGAAGCTTTATGCAGGGTTTTGCCGTCG CCCGACTCGATTTTGTGATGTCCTACACGTCCGCCTGCAATCAACGACAAACCTTCCAGA ggacggaacaccgtcttggcatacaaaccggtttcgtcgaggttttcttcggtaacggag TGATTGAAACCTTTGTTTCCGGCGCGGGCGTTCTGAAGTATGCCGTTATAAGGCAAAGCG CGGAAACCATCTAAAGCGACGCTTTTTGACAAAGTCGAACGCCCTTGTTCATTAGTACTG CGCAAGCGGTTGTAGTCTGCACCAATCACAAATTCGTTGGCGGTGTTGCCCCAAGGCAAAC GGACGGCTGTAACTTGCGTCAACCGCAAAGGCTTTTTGTTTAATGTCCGTACCCAAACCC GCTACGTCGGCTTGTCCGGTATTGTTGAGTTTGCTGCCCGCAAACGTATAATTGGAATCG GCTTTCCGATCGGAATAGCGCATACCGACTTTGCCGTAGCCGCCGTTGCCGAAGTAATGT TTCAAATCGGCGAACACGTCGTGGCTGTGCATTTTAAATTTGTTCCAATCCGCGCCGACA GGCGCGAGGCGGCGTTGCTGGTAAAGATAGCCCGCGCCCAAAACCGTATCGGGGTTGATG TCCCAATCCGCCGCGTAGAAGGTTTCGCGCCGGTTGTTTTTCTCGGCGGGACGCGGA GACGCGCCGACGGTCTGCGCCATCACGCGGCCGCGCACGCTGCCGTCTGAATTGAGGCTG CCCGATACGTCCGCCTCGGCTTTATATTGTTTGTGCGTACCGAACCCTGCCGCCGCATGA CCTTGGAACGCTTTGGTCGGGCGTTTGCGCACCAGATTCACGATGCCGCCCATCTCGCCG CTGCTGTCGAACAGTCCGCTCGGCCCGCGCATCACTTCCACGCGGTCGAAGGCGAACAGG TTGGGCAGCGTGCCGTTGATACTCTGCATCTGCGCGGGCAGGCCGTCGATGTTGTATTCG AGGCCGGGCGTTTTGCGTGCCAACTGGTCAAACGTATCAACATTGCGGTCTTTGACCTGC TGGTTGGTAATGATGCTGACGGATTGCGGAATTTCGCGCAAAGAAGCGGGGATTTTTGTA CCGACGGTGGCGGCAAACGAGCTGTAATCGCCGTTTTTCTCGGTGGCAATCGCGTTGTAA GAACGCTGACCCTTAATATGGACGGTTTCCAAACCTTCCGTTTGTGCGGCAAAAACCGAA GACGAGAGTGCTGCCAAAACCGTGGCGGCGGTCATATTGATGCGGAAAACTGACATAAAC TGTCCCATTCACATAAATGATAATGGTTCTATTTTAATAAAGCGCAACGCGGCTTGTTCG GAAAAACATATCGCGCAGCCGACAAATTTTGTCGAAAATGCGACACGTCTGCGTTTTCCG CATAAAATTTGCTTTTTTACTGCAACCAACCTGCTATGACCACGCCCAAACTCATCATCT GCTTCGCCGAATGCGGTTTTCCGCCGCCCGAAGCGGAACGCGTCCGCAGCCTGATTGGCT ACAGCCTGCCCGAAATCATCCGCACCCTGCTCGAAATGCCGTCTGAAACCGCCGTTGCCG ACATCACACGCACTTATTCCGCACATTACCTCAATCCCAACAACCGCAATATGTCCTTAT TTCCCGATGCCCTGCCCTGTCTGGACAAGCTCAAAGCACAAGGATACTGGCTTGCCGTCG CCACGGGCAAAGGGCGGGCGGGTTTGGACAACGCCATCAGTCAAACCGCCACCGGCGGCT ATTGGCTCGCCACCGCCTGCGCGGGGAATATCCCTCCAAACCCTCGCCCGAAATGGTAT TCGGAATCTGCGCCGAACTGGGACTCGACCCGAAAGAGGCATTGGTCGTCGGCGATACGG CGCACGACCTGCATATGGCGGCAAACGCAGGCGCGGCGGCAGTCGGCGTGGCCACCGGCG CACATTCGCGCGAACAGCTCCTTAGCGCACCGCATCTCGCCGTATTGGACGGTTTGTCCG AACTGCCCGGTTTTCTTGCACAACATTACGCCTGATTGGTTTCCGCATCCGGCACACGGC AAAAATGCCGTCTGAAGCCTGTTCAGACGCCATTTGTGTTGCCCAAACATTCAACGCCTG CGTCAACGTTTGCACAAATCGGGTTTGGTTTCGCCCTCGCGGCGCAACTCTTTGGGCAGG ACGAACACAATGCTTTCTTCCGCACCCTCGCCTTCGCGTACGGTTTCGTGCCCCCATCCG CCGACTTTGTTTTTGCCCTCAAACCATGCGCGTTGCAGGTAGCCTGCATTATCCACCATA TACGCATCGATTCCGCGCGATGCCGCCACTTCGCGCAAGCGGTTGCTGTTGGACGAATTG GGCGAACCGACCACAATCACGATGTCGCACTGTTCTGCCAACTCTTTGACGGCGGTTTGC CGGTTGGTCGTCGCATAGCAGATATCTTCCTTGTGCGGATTGCGGATATTGGGGAAACGC GCGTTCAGCGCGGCGATGATGTCTTTGGTTTCATCGACCGAGAGCGTGGTTTGGCTGACA TAGGCGAGTTTGTCGGGGTTTCTGACTTCGAGTTTTGCCACATCTCCGACCGTTTCGACC AAAAGCATTTTGCCCGGCGCAAGCTGCCCCATCGTTCCTTCGACCTCGACGTGCCCCTTA TGCCCGATCATGATGATTTCACAGTCTTGGGCATCCAGTCGGGCGACTTCCTTATGCACT TTCGTCACCAGCGGGCAAGTCGCATCAAACACGCGGAAACCGCGCTCCGCCGCTTCTTGC CGCACCGCCTTCGATACGCCGTGTGCCGAATAAACCAGTGTCGCGCCCGGCGGCACTTCC GCCAAGTCTTCAATAAACACCGCACCTTTTTCACGCAGGTTGTCCACGACGAATTTGTTG TGAACGACTTCGTGGCGCACATAAATCGGCGCGCGAACTCTTCCAAAGCACGTTCGACA ATACTGATTGCCCGATCCACACCAGCGCAGAAGCCGCGCGGATTGGCAAGGATGATGGTT TTCTCGTTCATAAGCCCGGTATTTCGTTTTCAGACGGCATCAATATTTTTCTTCTTGGGT TTTACGGTGGACGATGTTGTCCAACACCGCCAACACCGCACCGACGCAGATAAAGCTGTC GGCAATATTAAAGGCGGGATAAAACCAATTTTGCCAATAAAACAATAAGAAATCGACGAC ATGACCGTGTATCAGGCGGTCGATGACATTGCCTAACGCACCGCCGATAATCATTGCCGC ACCCGTTTTGCCGAGGGTTGCAAACTCATCGCGCAAGATGGCGCGTACCAAATACGCGCT CACCGCCACCGCCAGCACCAAAAAAAAGTATTTTTGCCAGCCGCCCTGATCGGCAAGGAA GACGCGTTCCCGATACTGAAACGACGACAGCACCGCCCACTTCGACCACTGGTCCAGCAC GATGGCGGCAAGTGCCAATACCCAATAGCGCGTTTTACTTGAAACAGATGAAGACATATT TTTCAACAGCCGGTAAAAGAGTACCATTTTACCCGAAAACCCCCTTTCCTGTACCCGAAA CGGCAAATGCCGTAATCTTAAAACCCGTCATTCCCGACAACACCGTAATCTCGAAACCCG TCATTCCCGCGTAGGCGGGAATCCAGACCTGTCCGCACAGAAACTTATCGGATAAAAACA GTTGCCCAAACCCCGCGTTCTATAGTGGATTAAATTCAAACCAGTACGGCATTGCCTCGC CTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTTGCCTTGTCCTGATTTAAATTTAATC CACTATAGATTCCCACTTCCGTGGGAATGACGGTTCAGTTGCATTCCGACAACACCGTAA TCTTGAAATCCGTCATTCCCGCGCAGGCGGGAATCTATCGGAAATGACTGAAACCTCGAG ATTCTAGATTCCCACTTTCGTGGGAATGACGGTTCAGTTGCGTTCCAACAACACCGCAAT CTCGAAATCCGTCATTCCCGCGCAGGCGGGAATCCAGACCTCCGACGCGGGGGAATCTA TCGGAAATGACTGAAACCTCGAGATTCTAGATTCCCACTTTCGTGGGAATGACGGTTCAG TTGCGTTCCAACACACCGCAATCTCGAAATCCGTCATTCCCACACAGGCGGGAATCCAG

ACCCCTGACGCGGGGGAATCTATCGGAAATGACTGAAACCCCGAGATTCTAGATTCCCA CTTTCGTGGGAATGACGGTTCAGTTGCGTTCCGACAACACCGCAATCTCGAAATCCGTCA TTCCCGCACAGGCGGGAATCCAGACCCCTGACGCGGGGGAATCTATCGGAAATGACTGA AACCCCGAGATTCTAGATTCCCACTTTCGTGGGAATGGCGGTTCAGTTGCATTCCGACAA CACCGTAATCTTGAAATCCGTCATTCCCGATAACAGCGCAATCTTGAAACCCGTCATTCC CGCGCAGGCGGGAATCCAGACCTCCGACGCGGGGGAATCTATCGGAAATGACTGAAACC CCGAGATTCTAGATTCCCACTTTCGTGGGAATGACGGTTCAGTTGCGTTCCGACAACACC GTAATCTCGAAATCCGTCATTCCCGCACAGGCGGGAATCTATCGGAAATGACTGAAACCT CGAGATTCTAGATTCCCACTTTCGTGGGAATGACGGTTCAGTTGCATTCCGACAACACCG CAATCTTGAAACCCCTCCGCCGTTATAAAGACAAATCGCGGCACAAAAAATGCCGTCTGA AATGCTGTTCGGCGGTTTCAGACGGCATTTGCTCAAACTTTATCAGGCGTAATGGCGCGT TTCGCCTTCTCCGCCGACATTCTCTGCACAGCGTTTGCAGACGGTTTCATAGCCTGCAAC CGCGCCCACATCGCGGGTGTAGTGCCAGCAGCGTTCGCATTTTTCACCATCACTGGCTTT AGCGGCAACGGCAAGTTCGCTGCCTACTTTCACTTCTGCTTTAGACACCAGCAAAGCAAA GCGCAATTCTTCGCCCAAAGCATTCAGATAGCCGGCCATTTCTTCCGGCGCGGTAATTTC GGCTTCGGCTTGCAAGGACGAACCGACGGTTTTGTCGGCGCGCAAAGGCTCGATGGCGGC GGTTACCGCTTCGCGGGCTTCGCGGATTGCCGTCCATTTTTTCACCAGTTCGGCTTCGGT TTTTTCGTTGATGGTCGGGAACTCGTGCCAAGTATGGAAGAGGACGCTGTCTTCTTCGCC GCCGCCGATGATGTCCCACGCTTCTTCGCCGGTGAAGCACAAAATCGGTGCAATCAAGAG AACCAAACTGCGTGTGATGTGATACAGGGCAGTTTGTGCGCTGCGGCGTGCATGGCTGTC TGCTTTGGTGGTGTAGAGGCGGTCTTTCAGGATGTCGAGGTAGAACGCACCCAAGTCTTC CGAGCAGAAAGAACAATGTCTTTTACGGCAAAGTGGAAGGCATAACGCGGATAGTAATC GCCTGCCAGACACTCTTGCAGCTGACGTGCCAATACCACGGCGTAGCGGTCGATTTCCAC CATATCCGCCTGTTGCACGGCATCTTCAATCGGATTAAAGTCGCTCAAGTTGGCAAACAA AAAGCTCAAGGTATTGCGGATACGGCGGTAGCTTTCGGTTACGCGTTTGAGGATTTCTTT GGAAATCGCCAATTCGCCGCTGTAATCGGTAGATGCCGCCCACAGGCGCAGGATGTCTGC GCCGAATTCGTTATAAACCTCTTGCGGTGCAACGACGTTGCCGATGGATTTCGACATTTT TTTGCCTTCGCCGTCGACAACGAAACCATGGGTCAGCAGCTGTTTATACGGCGCGCGACC CATTGATGAGGCGCAGCCGGTCAGCATGGACGATTGAAACCAGCCGCGGTGTTGGTCGCT GCCTTCGAGATACAAATCAGCCGGCCATTCCAATTCTTCGCGTTGTTTCACAACGGAATA ATGGGTCGAGCCGGAGTCGAACCATACGTCCATTGTGTCAGAAAGTTTATCGTAATTTTC GCAATCTTCCGCGCTCAAGAGTTCGCTCTTATCGAGGGAGAACCACGCTTCGATGCCTTT TTCTTCGATTTTCAGGGCAACTTTTTCCAAAAGTTCGGCAGAGTTCGGATGCAGCTCGCC CGTTTCTTTGTGAACAAAGAAAGTCATCGGCGTGCCCCAATAGCGTTGGCGTGAAACCAC TTCGGTGTCGTCCACGGCCTTGATGGCTTTGTCGCGCAGGGTTTTGCCGTCGGCACCGGC TTTGTCCATACCGACAAACCATTGACCTGTCGCGCGGTAAATCAGCGGCGTTTTGTGCCG CCAGCAGTGGGCGTAGCTGTTCGATTTTACTGCTTGCCAAAAGGTTGCCGGTTTCTTC CAACCATTGCAGGATGACGGGGTTCGCCTCCCAAACGCGCGATACCGGGCGACACGCGGCGT GCAGACGGCGTAGTCTTCCAAACCGTGCGCGGGGGGGGGTGTGTACCAAGCCGGTACCGGC ATCGGTGGTAACGTGTTCGCCGTTGAGCATGGGAATATCGCGTTCGAGGAACGGATGGTT CATGTGCAGATTTTCCAGCTTGTCGCCGGTGGTTTCGGCGAGAATAGCAATGCCGTCTGA AAAACCGTAACGTTTGAGCGCGTCTTCTGCCAAATCTTTCGCCAATACCAATTTGCCTTT CGGCGTATCAATCAGTTGATACACCACGTCTGCACCCGCAGACACGGCTTGGCTCGCCGG TAGCGTCCAAGGCGTAGTCGTCCAAATGACGGCAAACGCTTTGCCTTCGAAACCAGCCAA ACCGAATGCGGCGGCAAGCGCGGCAGTGTCTTTAAACAGATAGGCAACGTCAATCGCGGG CGAGATTTTGTCTTTGTATTCCACTTCCGCTTCGGCCAGCGAAGAACCGCAGTCCAAGCA GAATTGAACCGGTTTCGCACCCCGGTAGAGATAGCCGGATTTGTAGATTTCGCCGAGCAT ACGCACGGTATCGGCTTCGGTTTTGAAATCCATAGTCAGGTAAGGATGGTCCCAGTCGCC CAACACGCCCAAGCGGATAAAGTCTTTTTTCTGACGGGCAATCTGTTCGGCGGCGTATTC GCGGCACAATTCGCGGAAACGTGCTTTGGGCATATCTTTGCCGTGCAGTTTTTCTACCAT CACTTCGATGGGCAGGCCGTGGCAGTCCCAACCCGGCACATAAGGCGCGCGTCAAAACCGGC TTGGGTTTTGCTGCGGATAATGATGTCTTTGAGAATTTTATTGACGGCATGACCGATGTG GATGTCGCCGTTGGCATACGGCGGGCCGTCGTGCAGAATAAATTTCGGACGGCCTTTGGC GATTTCGCGCAGTTTTTGGTAGCGTTTTTGCTCGTACCAGCTTTTCAGCCATGCAGGCTC GCGCTTGGCAAGATTGCCGCGCATCGGAAACGGGCTCTCGAGCAGGTTTACGGTTTTACT GTAATCGGTCATTTTTAATCTCTATTGTTACAATATTTCGGTCTCAGACGGCATTGCGC GTAGCCCAATCGGATGGTTTGTATAAGGTTTTTCTACCAACGCCTTGCGGCTTCCATATC GGCTTCAATCTGCCTTTTCAGTTCTTCCATACCGTCAAACTTTTCCTCATCGCGCAGTTT GTGCAGGAAGCGGACGTTCAGCCCTTGTCCGTACAGGTCGCCTTGAAAGTCGAACAGGTG GACTTCAAGCTTTTGAGAACAGCCGCTATCAACGGTGGGATTGAAGCCGAAACTCGCCAC GCCGCGCCGCGTGCCGAATGCGCCGTCTGCTTCGACGACAAACACGCCGCCGAGTGCATA ACGGTGGCGGGCAGGCGGATGTTGGCAGTCGGGGCGTTTAAGGTGCGTCCGAGTTTTCT GCCGTGCACCACCCTGCCGCTCAAGACGTAGTCGTGTCCCAAAAGTTTTTTCGCATAGGC AAGGTTGCCGTCTGAAAGGGCTTGTCGCACGGCGGTACTGCTGGTGCGGATGTCTTCGAC GATGACGGAAGGCGTACGCTCGGTCTGCATATCGGGCTGTTGTGCCAAAAGTTCAAAACA GCCTTCCCGCCCCGCACCGAAACGGAAATCATCGCCGACGAGCAAATAACGCGTATTCAA GGTTTGACGCAGCAGCGGTCGATAAACCCTTGCGCGGATATTTCGGAAAAATTTTGATC GAAACGCAAAACCCAGACGGCATCGACACAGCCTGTGCCTTCCAATAATTCGAGCTTGGT GCGCAGGGGCTGATCCGACACGGTGGCATCCTGCCGGTGCGGAGTGCGAAAAATTCTTT -GAGTTTTTGGAGGATGTGTTTGTCCGAGGTGTACGCCGTCGAAATTGCCTATGGTTAC GGCGGCACCCTGTGGAAAGTCGGGCGCGTTGTGCCGCCCCAGCCTGATTCTCATTGTTGC

ATTCGGGTATGTGGTGAAACAGGCGGTCATTGTAAACGGTATTGCGGTTTATAGACAGTG TGCCGCCGTTA CGCCCGCCCGACGCGGGAAAAGTAGGCAAATTTCCCGCCGCCGAACGC GCCAAACGCACA.AAAACGCGCAGCAGGCGCGGTGCTATGTGTTGAAACATCGCCCCAAAC TCCGCCGTCATTCCCGCGCAGGCGGGAATCCGGACCTGTCCGCACAGAAACTTATCGGAT AAAAACAGTTGCTCAAACCCCGAGATTCTAGATTCCCACTTTCGTGGGAATGACGGTTCA GTTGCGTTCCGA CAACACCGTAATCTTGAAACTCGTCATTCCCGCTCAGGCGGGAATCTA GAACGTGGAATCTAAGAAACCGTTTTGCCCGATAAGTTTCCGTGCGGACAGGTCCGGATT CCCGCCTGCGCGGGAATGACGGCATTTCTGCGGCAATCGGATTATTTCCAAACCAAAAGC GCGTGGTTGCGTTTGCCGCGCCGAAGGATAGTGTATTTGCCGAAACGTTTGTGTTCGCCG TTCAGCAGGCAGGCATCGTCGGGGCGTTCGGCGGCGTGGTTGGGGTTGTTGGCTTCGGCA GGTTTGCCGTTGAGCAAAACCGCTTTGCTGTTCACAAAGCCGCGCGCTTCTTTATTGGAG GATGCCAAACCGGTTTTTACCAAGGCTTCGACGACATTGATGCCGTCTGAAACTTCAAAT GCAGGCAGGCCGTCGAGGCGAGCTGCTCGAAGTCGCTTTCGGTCAGGCTGCTTTGGTCT TCGGCAAACAGGCTTTCGGAAATGCGTTGCGCGGCGGCAAGGGCTTCTTCGCCGTGAATC AGGCGGGTCATTTCTTCGGCGAGGATGCGTTGCGCTTCGGGCTTGCTGCCGCTTGCCTTG TCTTTGGCTTCGATGGCATCGATTTCTTCGATGGACAGGAAGGTAAAGTATTTCAGGAAT TTATACACATCGGCATCGGCGACTTTCAGCCAGAATTGGTAGAACTGATAGGGCGAGGTT TTTTTCGCGTTCAGCCATACCGCGCCGCCTTCGGTTTTGCCGAATTTGGTACCGTCTGAT TTGGTTACCAAAGGCAGGGTCAGACCGAATACTTGTTTTTGGTGCAGGCGGCGGGTCAGG TCGATACCGGCGGTGATATTGCCCCATTGGTCGGAGCCGCCGATTTCCAAAACCGCGCCG TGGCGTTTGTTCAACTCGGCGAAGTCGTAACCTTGCAGCAGGGAATAGGCGAACTCGGTG AAGGAAATGCCTGCGCCGTCGCGGTCGATGCGCTGTTTGACGGATTCTTTGTTCAGCATG GCGTTGACGGAGAAATGCTTGCCGATGTCGCGCAGGAAGTCAAGGCAGTTCATGCTGCCG AACCAGTCGGCATTGTTCGCCATAATGGCGGCATTTCCGCCTTCAAAGCTCAAGAAAGGG GTTAATTGGTTGCGGATACTTTCCACCCAGCCGGCAACAGTTTCGGCGGAATTCAAGCTG CGTTCGGCGGCTTTGAAGCTGGGGTCGCCGATCATACCGGTCGCGCCGCCCACCAAAGCA ATCGGCGTATGCCCCCCCTGTTGGAAGCGGCGCAATGCCAATACGGGCAGCAGGTGTCCG AACAAAGCGTCTAAGGCTTCGATGTCGGTGGTTTGCGCGATAAGGCCGCGCGATTGCAGG TCTTGGATGACGCTCATCGGTCTCTTTCAAAAAAATTAGCGTTTTTGCAAACCGCCGAT TGTAACAAATTTAAGCGAATCAATGGTTATGGCGCGTATCGAGAAACCGTTGTTTTTCGG AAAAACGCTTTGCCAATTCCGTGCCGCCGTAAGGGTTGATGTGGTCTTTGTCCGAGTAAA CCGGCAATCCGCCGATTTGAAAATCTGCGGGGATATAGGCGGCGGCATCAATAATATAGA CGTTGGGGTATTTGGCTGCCAATTCCCTGATGCGTGCATTGGCTTTCAGGGTGCTTTCGT CGTCCGGGCGCAGGGCTTGGCGGTAACCCGGTATGCGTGAAGACAAGATATAGGCGCGCT GGACGTTGTAAGACGAGGCAAGGTTGTCCGCCATCAGGTAAACGGCTTGTTTTTCGGACG AGAGTTTATGCAGCATACGGTCGAATTTTTGGAAAAAACCGGCATCATAGGCAAGGGAGC GGCTGTTTTCGGGCATTTGGCTGCCCCAGCGCATCGCCAAAACCACTTTTGAATACCGGG GCAGGTGTTCTTCGGCATAGCGATAAACGGCGCGCAGGCTGCCCAGTTTTGGAACACAC GGGACGCGTAGCCTTCCACATAGGCGCAAGCGTCGGCGGAAACCATAGTGGCGGACCATT TTTCTTTTTTGCCCACGGCATCGAAGAATGTTTTGTAATGGTCGGCGTGGGAGTCGCCCA AAACCAGCAGTTCCGGCTGTTTTTCCGTATCCCCCCATAGGCATTGTTTGCCGGTATTGT TGTGGCAGGAGGTGTTGGAACGCGTCAGCCCCAAGCGGTCGTATTGCGCCATAAACGGCA GTCTCATCGCAAAAACGAGCCCGCCCCAAAATGAGCATAGGCAAGGCATAAATCCATA AAACGGATTGTGCGAACGAACCTTGCCATTTTTTAAACGGTTTTTCGATGCAGTGGTAAG AAAACAGGGAAAGCAGCAATATCAGGACGACCGCCGCCGCCGAATAAGGCGGCAGGT TGTCCGGGCCGATATAGCGCATAAAGGCCAATATCGGCCAATGCCACAGATAAAGCGAAT AGGAAATCAAACCGGCGGCAACAGTGATTTTCGATTGGAAAAATTTTTTAAGCGGGTGTT CGTAATGATTGAAATAAATCAGCGGGGCAACAGCCAGACAGGGAATCAAAGCGGCGGGGG CAAACAATGCGCCGACGGCGCACAGCGTCTGCCGACGGCAGGTTGCCGGCAGCGCATCC ACACGGCGGTCAGCGATCCTATCAGTAATTCGCAGGCGCGCAGGTGGGGCAGGTAATATT TATCGAGCGCGGAAGGTATAAAGGAGGCGCAAGGCTTAAGGCACACAGTGCGGCAAGGA AGCCGAACTGTACGCGCAGGCTTTTGCGGGCGACAAGCAGCAGCAGTATCGGAAAGACAA AGTAAAATTGTTCTTCGACCGACAAAGACCAGATGTGCAGCAGGGGCTTTTCTTCCTGCG CGGGATCGAAATAATCCTTCCCCCTTGCAAAATACAGGTTAGAGGCGAAACCCAAGGCGG TCAGCGCGGATTTCCACAAAAGAAAGAAATCATCTTTGGTGAATAAAAAGAAGCCGCCTG CCAGCGTTGCCGCCAATACGGCGAAAAATGCGGGCAGAATCCGCTTGATGCGGCGGATAT AAAATGCCTTCAGGGAAAACCTCCCCCCCCCCCGACATTTCGCGGTGAAGAATCGTCG TCATCAAAAAGCCTGAAATCACAAAGAATATATCGACACCGAGAAACCCGGCCCGGCAGCC TGTCCGGGCGGTAGGGTAAGGCTTGGCTCATAATGTTTTTATAGTGGATTAACAAAAACC AGTACGGCGTTGCCTCGCCTTGCCGTACTATCTATACTGTCTGCGGTTTCGTCGCCTTGT CCTGATTTAAAGTTAATCCACTATACTCGAAACGCGGCGGCGCAAATGCCGTCTGAAAGG TCATTTCGTATCGGGGATCGGGATATTCGGAATGCCGGACGGCTTCCCGTAACGGCGGGG CAGGCGGTTTGTTTTGCAGGAATCGGGGAGGCAAATCGGAAATGCGGGTGGGAGTTTAT TTTGATGCGGCTGCATTCCGGCGGTACGGGAAACGCCGAAAATCATCAAAATCGGCTTCA GACGGCATTTCCGGCAAGCCGCCTGAAACCTGCCGCATTTGGGTTACACGTTAAACAAAA AGTGCATCACATCGCCGTCTTGCACGACATATTCCTTGCCTTCCACACGCATTTTGCCGG CTTCTTTGGCTTTGGCTTCGCCGCCGAGCGAGACAAAGTCGTCGTAAGAAATGACTTGGG CGCGGATGAAGCCGCGTTCAAAATCCGTATGAATCACGCCGGCGGCTTGCGGCGCGCGTGT CGCCTTTGTGTATCGTCCACGCGCGGACTTCTTTCACACCGGCGGTGAAATAGGTTTGCA GCCCCAAGAGGTCGTAACCGGCACGAATCAGGCGGTTCAGGCCCGGTTCTTCCAAGCCCA TTTCGGCGAGGAACTCGGCTTTTTCGTCGTCTTCCAATTCGGCAATTTCGCTCTCCATCG

CGGCGCAAACGGCGACGACGGGGGGGTTTTCTTTTGCCGCCAATTCTTTCAGGCGGTCGA CGGTCAGCAGGAACAGCGGTTTGAGCATCGCGCGTTCTTCCGCGTCCAAACCGAAGGAAC GCACGGGTTTGCCTTCGTCCAGATGCGGCAGCAGTTTTTTGCACAAATCGACCAGCTTTT GCGCGTCTTTGTCGCCTGAGCGGGCGCGTTTTTCTTCGCGGACGATGGCTTTTTCGACAC TTGCCAGGTCGGCAAGTGCCAACTCTGTGCCGATGGTTTCAATGTCGGCAATCGGATCGA CGCGGCCTGCAACGTGGACGATGTTGTCGTCGTCAAAGCAGCGCACGACATTCACAATCG CATCGGTTTCGCGGATGTTGGCAAGGAACTGGTTGCCCAAGCCCTCGCCTTTGCTCGCGC CTGCAACCAAACCGGCAATATCGACAAATTCGACGATGGCAGGCTGCATTTTTTGCGGAT TGACGATTTTTGCCAATTCGGCCATACGCGGATCGGGGACTTCGACGATGCCGACGTTGG GTTCGATGGTACAGAAAGGATAGTTTGCCGCTTCGATACCCGATTGGGTCAGCGCGTTAA **AAAGGGTGGATTTGCCGACGTTGGGCAAACCGACGATGCCGCATTTCAAACTCATGTTTT** TTCCTGAAAATA GAGAAATTTAACGGCGGATTATAGCATACCGCCGCCCCGCGTTCCGAAA AAATGCCGTCTGAAACGGCTTCAGACGGCATCCGGTTTCAGAAAACCGTTCAGAACAAGC CGTGAATCACGCCTTCTGCGTCCACATCGATTTTCTCGGCAGCCGGAACTTTGGGCAGGC CGGGCATTTTCATCATGTTGCCGCACAGGGCGACGATGAAACCTGCGCCTGCGGAAACGG TGATGCCGCGCACGGCGATGCGGAAGTCTTCGGGGCAGCCCAACAGTTTGGCGTTGTCGC TCAAAGAGTATTGGGTTTTCGCCATGCAGATCGGCATTTTGTCCAAGCCCAGTTTTTCCA GTGAAGCGATTTCGGCAGACGCTTCCGCGCTGAAATCAACATCTTCCGCGCCGTACACTT TTTGGGCAATCGCACGGATTTTGTCTTTGATGCCCAACTCGACATCGTAGGCGAAACCGA AGTTATTGGTTTGACTTTCAATGGCGTTGACGACTTTGCGCGCCCAAATCCGCGCCCCCG CACCACCTTTGCCCCACACTTCGGTCAGGGAAACTTCAACGCCGTGTTCGGCACAGGCTT TTTCAATCATCGCCAACTCGGCATCGGCGTCGGACACGAAGCGGTTGAGCGCAACGACGA CGGGCAGTCCGAATACGTTTTTCAGGTTGGAAATGTGTTTCAGCAGGTTGGGCAAACCTT TTTCCAAAGCGTCTAAATTTTCTTCGCCGAGGTTGGCGCGTTCCACGCCGCCGTTATATT TCAACGCGCGGACAGTCGCCACGACAACAGCCGCATCAGGTTTCAAACCGGCAAGGCGGC ATTTGATGTCGCAGAATTTTTCCGCGCCCAAGTCCGCGCCGAAGCCTGCTTCGGTTACGG CGTAATCGGCAAGGTGTTTCGCCAGACGGGTTGCGGTTACGGAGTTGCAGCCGTGGGCGA TGTTGGCGAACGGGCCGCCGTGTACGAAGGCGGGCGTGCCTTCGATGGTTTGCACCAAGT TGGGCTTAATCGCATCTTTAAGCAATGCCGCCATCGCGCCATTCGCTTTCAAATCTTTGG CGTAAACGGGGCTGCCGTCTTTGGCGTAGGCGACAAGGATGTTGCCCAAACGCTCTTTCA AATCGCTGATGTCTTTGGCAAGACAGAATACCGCCATCACTTCGGAAGCAACGGTAATAT CGAAACCGTCAGGACGCATCACGCCGTCAACGGGTTTACCCATGCCGTCGATGATGTTGC GCAACTGGCGGTCGTTCATATCGACCACGCGCCGCCACAGCACGCGTTTGGGGTCGATGT TCAACTCGTTGCCTTGGTAGATATGGTTGTCGAGCATCGCGGCAAGCAGATTATTTGCCG CACCGATGGCGTGAAAATCTCCGGTGAAGTGCAGGTTGATGTCTTCCATCGGCAAAACTT GGGCATAGCCGCCGCCTGCCGCCCGCCTTTCACGCCGAACACCGGCCCCAGAGAAGGTT CGCGCAGGGCAATCACGGCATCTTTGCCGATGTGGCGCAACGCGTCCGCCAAACCGATGG TTACGGTGGTTTTGCCTTCGCCCGCCGGAGTCGGGTTGATGGCGGTAACCAAAATCAGCC TGCCCTGTTTTTGCGGCAGTŢTGAACGCTTCGGCAGGATTGATTTTCGCCTTGTAATGAC CGTAAGGCTCAATGTTGTCGGCATTCAGACCAAGCTTGGCGGCAATTTCGCCAATCGGGC GCATGGTGGAGGATTGGGCGATTTCGGCATCGGTTTTGAAGCTCATGATTTTCCTTTAGA **AATGAGGAGGACATGCCGTCTGAAAGCATCAGGCGACAAACAGGTGGATTGAAAATAAT** ATCAGGCATATTATAACGTTATCCGCACCAAACCCGCAGTGAAATTTTTGACGCAGCAAC AAAAATACCGTTCATATTGTTCACAATCCAAGGAGAAAACATGGGCAGCAACGCATGGCT GTTTTGGGCATTGGCATCGGCAGGCTTCGCCTCATTGACCGCTATTTTCGCCAAAATGGG TTTACAGGGTATAGATTCCGATTTCGCCACCTTTATCCGCACCTTGGTCATCCTTGCCGC TTTGTTATTGTTTTTAACCTACACCGGCAAATGGCAGGGTGTGAACGGCTTTACGGGGCG CAACTGGACATTCCTCATCCTATCCGGTCTTGCTACCGGCGCATCTTGGCTCGCCTATTT TARAGCCCTGCAACTGGGCAACGCCTCGCAAGTCGCCCCCATCGACAAATTCAGCCTGGT CTTGGTCGCGCTGATGGCGGTGGTTTTCTTGGACGAACGCCCGAACACGCAGGAATGGAT AGGCTTGGGGCTGGTAACGGCGGGCGTGTTGGTGCTGGCGTTGAAACGTTAAACCGAATC CGCCATACCGTCTGAAACCGGGTTTTTACTTCCAAGCCCCTGCAAGGGCTTGAGCCTCTT TCAGACGGCATACCGTGCCGACATCCAGCCACAAGCCCGTATGCTTCTGACCGCTCACGC GGTTTTGCCGCATTTCGCCACGCAATACGGGCGCGAGTTTCGCCACACTGCCCGCTTCGA TTCCGTCAAACATTTCAGGACGGTAAATACCCACGCCGCTGAATGTCAATCCGTTGCCGC CATTTACTTCCGGCCGCACGCTGCTGTCGGGCAGCAGGGAAAAATCGCCGTCGGGGTTGT GCGGCGGATTTTCCACCAGCCACAGATGGGCGGAAATATGTTCCGGCAGGGACGATGCCG TCTGAAACGCGGCGGTAAAATCGATGTCGGTCAGCACGTCGCCGTTGACCACCAAAAACG GCTGCCCACCCAACAGCGGCAATGCCTGCGCGATGCCGCCTGCCGTTTCCAAACCGCCTG CGGGTTCGGGCGAATAGGCGATGTTCACGCCATAAGCCGAGCCGTCGCCCAAAGCATCTT CTATCTGCCGACCCAGCCAAGCGTGGTTGATGACGATTTCGGTAAACCCCGCCTGCTTCA GACGGCATAGGTGCCAACCGATTAGAGGCTTACCCGCCACATCGAGCAGCGGCTTCGGAG TGGTATCGGTCAAAGGGCGCATACGCTCGCCGCGTCCTGCCGCCAGTATCATCGCTTTCA TATATCTGTCCGAATATCAGTCTAAAAATCTAAACTGCCGTCTGAAATACAGCAGCGCGG GGCGTTTGCACCCGCAGTTTTTGATTTCGTCGAGCCTGACGTAAAACACAAAATGCGTGC CGATTTCATGTTTGCCGACAATATGCCCGTGCAGGTGCGCCCAACGCGCCCCTCTATTTCAA GTTGTCCCGTTTTGCCGCGATGCCAGATGTGGTAGGCAAACCGCTCTTCGGGCGACAGGC CGGTCAGCCCGGCAAAATGTTCGGCAACATCCTGATGTTCGTCCGCCAGCGTATTGATGC AGAGGCTGCCGTTTTCCGACAGGATCGGAATGATTCGCGCACTCCGGTTGATGCACAGCA TCACGGTCGGCGGCTCGTCGGTAACCGGCGGCGCCGTCATTGTAATGCCGTAACGCC CTGCCGCACCGTCTGTCGTGATGACATGAACGCCTGCCGCGCAAGATGCCATCGCATCAC GGAACGAAGTTTGAAAATTTTTCTGCAAATCCGCCATTTTTCCCCTTTAAACTGTCCCCT - atataagaatgetgeacacaaggeateeeccatgtgeageagtttgatteaaaaageeg TCGGTCGGACGTTTCCGCGCGTTACGGCGTATTACGAGTTCAACGCATCCTCGATTTTGG CAAGTTCTGCCAACAGGTCTTTAAGCAGCAGCATTTTCTCGCGGCCCAGCACTTCCTCGA TAGCGTCGTAGCGTTCGTCCACTTCTTCGCCGATTTCCTCATACAGCTTCTCGCCCTCGG CAGTCAGCTTCAGAAAAACACGTCGTTGGTCGTTGGAAGGTTTCAGGCGGACAACCAAAC CCGCTTTTTCAAGGCGGGTCAGGATACCGGTCAGGCTGGGGCGCAAAATGCACGCCTGAT TCGCCAAATCTTGAAAGTCCAGCGTGCCGTTTTCCGCCAAAAGACGGATAATCCGCCATT GCTGATCGGTAATATTCGCCTGATTCAGAATAGGCCTGAATTGGGTCATCAGGGCTTCCC TTGCCTGTATCAGACCGATATTGATAGACGCATGTTTTGATTGGGTAGGCATTGTTTAAG TCTCCAAGTTATCGAAAATCAAACTTTCAAACCGTCGGGAAAGCCTGTGGGCGTAAATTT TGATGCAACCGTTATATAACAAAACGAACATATAGCAACAATACGCTATAAACCGCATCG GACGACTGGGTATAAAAGACTTTAATTCCGATAATCCTATCTAAAAAATATTTTAATAGTT ATATCTTAATCTATTTTCCCACAATCACAACAAGGGATTACATCGGCAGGCGCGTCGGC TCTTTCCCAAAAAACAAAAGCCGCCGCATCCGCCGCGCAAGGCATATGCCGCTTGATTCT CTACATAGCGGAAAATTTAATAAAAACAAAAGTTAACCGAAAACATCCGCCTGAAAAATT CGTGCGCGCAAGCCCCAATAACTGCTGATTCCCGTCGTATAGTGAACCATTTTCCCATTT TTGACCAAAACGACGGCAGGCGTTGCGACAATCCGCCAAGACCTTGCCAAACCCCCGTCC TCATCGTTGACAGTCGGAAAGCCCAAGCCGCGTTTTGCCATATACGCCGCCACTTCCGCC GAACTGCCGGAACGTACCGCCACGCCGACGACGGCACGCCGTCCGCCGAAATCATCG ATTATCGGCGACTGATAACGGCACACGCCGCACCAGCTCCCCCAAAAATACACCAAAACC GCCTTATCTCGGCTAAACTGTCCCAAAGTCAGCCGCTGCCCCGACAGCAGGGTCAAAGGC AATAAAAACACCAATGCCGTCTGAACGGCAAATTTGATGCCCGAAAGCAGTTTCTTTTTC AAACTTGGCTTCCGGTTATCTGGTGGGTCGTGAGCGATTCGAACGCTCGACCAACGGATT AAAAGTCCGCTGCTCTACCGACTGAGCTAACGACCCGATAAGCCGTGCATTATACAGCAC CATCCTACCTCGTCAAGCAAATTTTACAGGCTTAATTGCAGACCACTGTTTGCACGGGAT ATTTTGACAACGGATTTTCACAATCCGCCGCATACCGTGTAAAAGTTCGCACAAGGAAAA GCAAACCGCCCGAAATCAATGTACACTTTCCGCCCGTTTCCCTTCCCAACCTGCACACAG AAACACACATTATGAACATACAAAACATCCGCACCCTCCTCGACACCGTCGCCGTTCCGA ATACGGCACGCTCGGCGGCGAAAAGGCCGTCCGTTCGGTCGAACAGCGTTCAGACG GCATCCATATCGCCCTGCATTTCGGCTTCCCCGTCGCGCACATTGCCTCAGAAACAGCCG ACACTGAAATCGGCACACACAAAGTCCAGCCCGGCGTTACCACCATCAAAGGCGTGAAAA ACATCATCGCCGTCGCATCGGGAAAAGGCGGCGTGGGCAAATCGACAACCACCGCCAACC TTGCCGCCGCAATGGCGCGCATGGGCGCGCGCGTCGCTCGATGCCGACCTTTACG GCCCGAGCCAACCGACCATGTTGGGTGTGGACGACCGCAAACCCGATCAGAAAAACCAAA AACTCATTCCCGTCGAATCTTCAGACGGCATACAGGTCATGTCTATCGGCTTTCTCGTCG. ATACCGACCAAGCCGTCGTCTGGCGCGGGCCGATGGTCAGCCAAGCCTTGCAGCAGCTGA TGTTCCAAAGCGAGTGGGACGAAGTGGACTACCTGTTTATCGACCTGCCCCCGGCACGG GCGACATCCAGCTCACGCTGTCCCAGCGCATCCCCGTAACCGGTTCCGTCATCGTAACCA CGCCGCAGGACATCGCCCTGATAGACGCGCGCAAAGCCGTGGATATGTTCCGCAAAGTCA ACATTCCCATTTTGGGCGTATTGGAAAATATGTCCGTCCACATCTGCACCAACTGCGGAC ACAGCGAAGCACTGTTCGGCACGGACGGCGCAAAGATTTCGCCGCACGCCTCAACGTCC CCCTGCTCGGACAGCTTCCCCTAAGCCTGCCCGTGCGCGAAGCCATGGACGGCGGCACAC CGGCGCAACTGTTCGACGAACACCCCGCCATCGCCCGAATCTACACCGATGCCGCATTCC AAATCGCCCTGAGCATTGCCGACAAAGGCAAAGACTTCAGCAGCCGCTTCCCCAAAATCG TCGTCGAATAAAGCCGCGTCCGAAACCGCAACAGCAATGCCGTCCCAAGCCCCGCGCCTG CCGGCGGCAAACTTGCCGGATAAAACGGTTTTTTTGAGATTTTACGTTCCGGATTCCCG CCTGCGCGGGAATGACGAATTTTAGGTTTCTGATTTTGGTTTTCTGTTTTGTAGGAATGA TGAAATTTTGAGTTTTAGGAATTTATTGGAAAAAACAGAAACCGCTCCGCCGTCATTCCC GCGCAGGCGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAGGTTAGCTGAAGCTTT AGAGATTCTAGATTCCCACTTTCGTGGGAATGACGGGATGTAGGTTCGTGGGAATGACGC GGTGCAGGTTTCCGTGCGGATGGATTCGTCATTCCCGCGTAGGCGGGAATCTAGACCATT GGACAGCGGCAATATTCAAAGATTATCTGAAAGTCCGAGATTCTAGATTCCCACTTTCGT TCGTCATTCCCGCGCGGGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAGGTTA GCTGAAGCTTTAGAGATTCTGGATTCCCACTTTCGTGGGAATGACGGGATTTGAGATTGC GGCATTTATCGGAAAAAACAGCAACCGCTCCGCCGTCATTCCCGCGCAGGCGGGAATCCA GACCTTGGGATAACAGTAATATTCAAAGATTATAAAAGACCCGTCATTCCCGCGCAGGCG GGAATCCAGACCTTAGAACAACAGTAATATTCAAAGATTATAAAAGACTCGTCATTCCCG CGCAGGCGGGAATCCAGACTGTCGGGCATCTGCAGCGGTTTGCTAAAAAACGCTTTACCG CGGGATCGGGCGGTTTACCGAACCCCGGTGTTCGCGGCGCGCCCTGCCGCCGACGGTATCC CGCGAAGCAAGATTTAAGGGATAAAATATGTTCCAACACGCAGGGCGGCACATAAGGCGC CGCCCTGATTCGGAAGGGCTTGCACCCCTCCCGGACAAAGCCTGATCCTGCCGCCCCGAA GGACGGATGCCCGAAGGGCGGGGGTTTGACCGAAAAGGAAATACGATGAATAAAACTTT AAAAAGGCGGGTTTTCCGCCATACCGCGCTTTATGCCGCCATCTTGATGTTTTCCCATAC CGGCGGGGGGGGGGGGGGCGATGGCGCAAACCCATAAATACGCTATTATCATGAACGAGC AAAACCAGCCCAAGGTAAAGGGGAATGGGCAATATTCAACAATAAAGGACAAAGACAGGG AACGCAAATTTATCTATAATAAAAGCGGCCGGGGTGGAGGCTCTGTCTTTTTCGACAATA CGCCCTACGGCAAGGTTTCCGGTTTTGATGCCGACGGGCTGAAAGAGCGCGGCAATGCCG TTAATTGGATTCATACGACCCACCCAGGGTTGATAGGCTACAGCTACACCAGTGTCGTAT GCAGAGACAGCACAGGCTGTCCCAAACTTGTCTATAAAACCCGATTTTCCTTCGACAACA CCGCTTTGGCAAAAATGCGGGCAGCCTGGATAGGCACCCGGACCCAAGCCGCGAAAATT CGCCCATTTACAAATTGAAGGATCATCCATGGTTGGGCGTGTCTTTCAATTTGGGCAGCG

AGAATACCGTCAAAAATGGCAACTCATTCAACAAATTGATATCTTCTTTTAGTGAAGACA ATAATAATCAAACCATCGTCTCTACGACAGAAGGCTCCCCTATTTCCCTTGGCGACCAGC AGCGCGAACATACCGCCGTGGTCTATTATCTGAACGCCAAACTGCACCTGCTGGACAAAA AAGGGATTAAAGATATCACCGGCAAAACAGTGCGGTTGGGTGTCTTGAAGCCGAGCATCG **ATGTGAAGACACAAAATACGGGGCTTGGCGGCATTCTAGCTTATTGGGCTAGGTGGGACA** TTAAAGATACCGGGCAGATTCCAGTCAAGCTCGGCCTGCAGCAAGTCAAAGCAGGCCGCT GCATCAATAAACCGAACCCCAATCCCAACAAAAAAGACCTTTCGCCGGCCCTGACTGCCC CCGCGCTGTGGTTCGGACCTGTGAAAGATGGTAAGGCGGAGATGTATTCCGCTTCGGTTT CTACCTACCCGACAGTTCGAGCAGCCAAATTTTCCTGCAAAACCTTTCCCGCAAGGATG ACACAAGCAAACCGGGCCGCTATTCCCTCAAACCCTTGAGTACGTCGGAGATTAAAAGTA AAGAGCCGAGTTTCACGGGGCGCAAACCGTCATCCGATTGGATGGCGGCGTACGGCATA TCCAACTGGATAGAAACAATGAGGCCACCGGTTTAAATGGAAATGACGGCAAAAACGACA CTTTCGGCATTATTAGAGAAGGGAGCTTCATGCCTGATGCCAGCGAGTGGAAAAAAGTAT TGCTGCCTTGGACGGTTCGGGGTTTTGCTGATGACAGTAAATTTAAAGCATTCAACAAAG AAGAAAACAACGACAACAAGCCAAAATACAGCCAAAGATACCGCATCCGCGAAAACGGCA AGCGCGATTTGGGCGACATCGTCAACAGCCCGATTGTCGCGGTCGGCGAGTATTTGGCTA ATAGTCTGAAGCTCAGTTATATCCCGGGCACGATGCCGCGCAAGGATATTCAAAACACCG AATCCACCCTTGCCAAAGAGCTGCGCACCTTTGCCGAAAAAGGCTATGTGGGCGACCGCT ATGGCGTGGACGGCGCTTTGTCTTGCGCCGCATTACAGATGACCAAGACAAGCAAAAAC ACTTCTTTATGTTCGGCGCAATGGGCTTTGGCGGCAGAGGCGCATACGCCTTGGATTTAA GCAAAATCGACAACAGCAACCCGGCCGGCGTTTCCATGTTTGATGTCAAAAACGACAATG GCGTGAAATTAGGCTACACCGTCGGTACGCCGCAAATCGGCAAAACCCACAACGGCAAAT ACGCCGCCTTCCTCGCCTCCGGTTATGCGACTAAAGACATTAACAACGGCGAGAATAAAA CCGCGCTGTATGTGTATGATTTGGAAAACAACAACGGTACGCCGATTGCAACAATCAACG TACCCGACGGCAAGGGCGGGCTTTCGTCCCCCACGTTGGTGGATAAAGATTTGGACGGCA CGGTCGATATCGCCTATGCCGGCGACCGCGGGGGGAATATGTACCGCTTTGATTTGAGCA ACAACGATCCGACCAAATGGTCTGTACGTACTATTTTTAAAGGCACGCTGGATAAGCCGA TTACCTCCGCGCCCGTTTCCAAACTGAAAGACAAACGCGTGGTTATCTTCGGTACGG GCAGTGATTTGAGTGAGGATGATGTTGATAAAAAGGATATACAATCTATTTACGGTATTT TTGACAATGACACAGGCACGGATGTGGCAGAAGAAGGACAGGGCAAAGGGTTGCTCGAGC **AACACCTTACTCAGGAAGATAAAACCTTATTCCTGACCGATTACAAGCGATCCGACGGCT** CGGGCGACAAGGGCTGGGTAGTGAAATTGGAAGCCGGACAGCGCGTTACCGTCAAACCGA CCGTGGTATTGCGTACCGCCTTTGTAACCATCCGCAAATATAACGACGGCGGCTGCGGCG CGGAAACCGCCATTTTGGGCATCAATACTGCCGACGGCGGCAAGCTGACCAAGAAAAGCG CGCGCCCGATTGTGCCGGAAGCCAATACGGCTGTCGCGCAATATTCCGGTCATAAGCAAA CCGCCAAAGGCAAATCCATCCCTATAGGTTGTATGTGGAAAAACAATGAAACCGTCTGCC CGAACGGATATGTTTACGACAAACCGGTTAATGTGCGTTATCTGGATGAAAAGAAAACAG ACGGATTTTCAACAACGGCAGACGGCGATGCGGGCGGCAGCGGAACATTCAAAGAGGGTA **AAAAACCCGCCCGCAATAACCGGTGCTTCTCCGGAAAAGGTGTGCGCACCCTGCTGATGA** ACGATTTGGACAGCTTGGATATTACCGGCCCGATGTGCGGTATGAAACGAATCAGCTGGC GTGAAGTCTTCTGATTTGCACGCGAAAATGCCGTCCGAAAGGTTTTCGGACGGCATT TTTTGCGTTTTTCGGGAGGGGGGGGTTCGTAAAAGGCGGGCTATAGGGTAGGCTTCATCT CGCCAATCTCACTGAATCCATCAATTTCCACAATTCAATTAAATACCGTCAAACCGATGC CGTCATTCCCGCGCAGGCGGGAATCTAGACATTCAATGCTAAGGCAATTTATCGGGAATG ACTGAAACTCAAGAAACTGGATTCCCACTTTCGTGGGAATGACGGGATGCAGGTTCGTGG GTCATTCCCGCGCAGGCGGAATCCAGACATTCAATGCTAAGGCAATTTATCGGGAATGA CTGAAACTCAAAAAACTGGATTCCCACTTTCGTGGGAATGACGGGATTAGAGTTTCAAAA TTTATTCTAAATAGCTGAAACTCAACGCACTGGATTCCCGCCTGCGCGGGAATGACGAAG GGAATGATGGGATTAGAGTTTCAAAATTTATTCTAAATAGCTGAAACCCAACGCACTGGA TTCCCGCCTGCGCGGGAATGACGAATTTTAGGTTTCTGATTTTGGTTTTCTGTTTTTGTA GGAATGATGAAATTTTGAGTTTTAGGAATTTATCGGAAAAAACAGAAACCGCTCCGCCGT CATTCCCGCGCAGGCGGAATCTAGGACGTAAAATCTCAAGAAACCGTTGTACCCGATAA GTTTCTGCGCCGACAAACCTAGATTCCCGCCTGCGCGGGAATGACGGTTCAGTTGCGTAG GACTGGATTGTGAAAAGGGGCGGATTCGGTGAAAACGGCGGAAATGTGGGATTGATGGAA TCGGTGGGCTGAAGCCCTCCCTACAGAGCTTTCAGACGGTATTGTTTGCGTTTTCGGGAT GGGGGCAAATGAAACACCGACAAACCGATACCGTCATTCCCGCGCAGGCGGGAATCTAGA CATTCAATGCTAAGGCAATTTATCGGAAATGACTGAAACTCAAAAAACTGGATTCCCACT TTCGTGGGAATGACGATTCGGACATTCCTTAAACTACCCGTGTATCGCTGTAAATCTTAG AGATGGAGGAATAAAGACCGTTGGGCATCTGCAGCCGTCATTCCCGCGCAGGCGGGAATC TAGGATGCGGAATCTCAAGAAACCGTTATACCCGATAAGTTTCTGCACCGACAGGTCTGG ATTCCCGCCTGCGCGGAATGACGATTCGGGTATTTCTGACGGTTCGGGCATTCCCGACA AGGTGGATTTTCAAGGTGTTGTATAGGGTGTAGGAGGATTCGTAAAAGGTGAGTTATAGG GTGGGCTTCAGCCCACCGATTCCAACGATTCCACCAATCCTACACCGTTCCCATAGACTC **AAATCAACAGAAACTTATGCGCCGTCATTCCCGCGCAGGCGGGAATCTAGGATGCGGA ATCTCAAGAAACCGTTATACCCGATAAGTTTCTGCACCGACAGGTCTGGATTCCCGCCTG** CGCGGGAATGATGGTTCGGGTATTCCTGACGATTCGGGTATTCCTGACGATTCGGGTATT CCTGACGATTCGGGTATTCCTGACGATTCAGGTATTCCTGACGATTCAGGTATTCCTGAC **GATTCAGGTATTCCTGACGATTCAGGTATTCCTGACGATTCAGGTATTCCTGACGATTCA GGTATTCCTGACGATTCAGGTATTCCTGACGATTCAGGTATTCCTGACGATTCAGGTATT** CCTGACGATTCAGGTATTCCTGACGATTCAGGTATTCCTGACGATTCGGGTATTCCCATA TTTATGCCCCGGATTTCCGTTTTCGCGCGAACATATCAGCCCGCCTGCCGCGTTTGCGCT

TGAAATCGGGTATGTTTCGTCTTAAAATATGCTGCTTTCAGGGTATAGGCACTTGCCCGA GGATGCCCCCTGCCGAAGTCCCTTCAGACGGCATTGTCAAGAATTTTATTAAAAACAGGA TTCCCATCATGAGCACCCCCGCCCTCCTCGTCCTCGCTGACGGCAGCGTATTTCACGGCA CATCAATCGGTTACGAAGGTTCGACTTCCGGCGAAGTCGTGTTCAATACTTCGATGACCG CACACATCGGCAACACCGGCACCAACGCCGAAGATGAAGAAAGCCGCAGCGTTTATGCCG CCGGCCTGATTATCCGCGACCTGCCGCTCTTGCACAGCAACTTCCGCGCCTCCGAAAGCC TGCACGACTATCTGGTACGCAACAAAACCGTCGCCATCGCCGACATCGACACCCGCCGCC TGACCACGCTGTTGCGCGAAAAAGGCGCGCAAGGCGGTGCGATTCTGACCGGTGCGGATG CCACAATCGAAAAAGCGCAAGAACTCATCGCCGCGTTCGGCAGCATGGTCGGAAAAGATT TGGCAAAAGAAGTTTCCTGCACGGAAACTTACGAATGGACGGAAGGCGAATGGGCATTGG GCAAGGGTTTCGTTACCCCTGACGAACAGCCTTACCACGTCGTCGCCTACGATTTCGGCG TGAAAACCAACATCCTGCGTATGCTCGCCTCGCGCGGCTGCCGCCTGACCGTCGTCCCCG CCCAAACGAGCGCGGAAGACGTGTTGGCACTCAACCCTGACGGCGTATTCCTATCCAACG GCCCCGGCGACCCCGAGCCTTGCACCTACGCCATCAAAGCCGTACAAAAACTGATAGAAA GCGGCAAACCGATTTTTGGCATTTGCTTGGGACACCAGCTCATCAGCCTCGCCATCGGCG CGAAAACCCTGAAAATGCGCTTCAGCCACCACGGTGCGAACCACCCTGTGCAAGATTTGG ACAGCGGCAAAGTCGTCATCACCAGCCAAAACCACGGTTTTGCCGTTGATGCCGACACCC TGCCCGCTAACGCACGCATTACCCACAAATCCTTGTTTGACAACACTTTGCAAGGCATCG AAGATGTCGGCTATTTGTTTGACAAATTCATTGGCAATATGAAAGCGGCAAAACGGGCAT **AATGGTTTTCAGACGGCAACAGTATGCTGCTGCCGTCTGAAAAACAAAGCTGGAAATGAA** GATTAGCGCACTCGACCATCTAGTACTAACTGTTGCCGACATTGACCGAACCATCGCGTT TTATAGTGAATTAAATTTAAACCGGTACAGCGTTGGCTCGCCTTGCCGTACTATTTGTAC TGTCTGCGGCTCGCCGTTGTCCTGATTTTTGTTAATTCACTATACACACAAGTTTTGG TCAACCTACACGGGCGCGGTGCGGAAATTCAGCCTAACGCGCAACACGCCGCCTGCGGCA CAGCGGATTTATGCCTGCTGACCGATACGCCACTGGAAACGGTTTTACAGGAATTATCCG CACACGGCATCAAACCTTTAAGCGGCATCGTAGCGCGCACAGGCGCAATGGGCAAAATCC AATCGGTTTACCTGCGCGATCCCGATGGCAACCTGCTGGAAATCAGCAGTTATTGATTTT CAGACGGCTTATGCAAAATAAAAAACAGCCTGCACAAGCTGTTTTCCTTGCAGCCTCTTT GCCGCAAGGCTTGTGTTTGGGCGGTTAGGGTGTTGGGGAAGGTTGCCGAAATTCGGGGAA TGCCCTCTCCCCGGCCCTCCCCCACGGGGGGGGGGGAGAAGGTTGCAGCAGATTTTGCGGTT GCAGGCGGTTTGAAAGGCAACTTAGATTTGCAGCTGTTGTTTCAGGTCATCTGAAAAATA AAAAGCAGCCTGCACAACCTGTTTTCCTTGCAAAACCCTTAATCCCAACCGCCACCACGT CCTCTCTCCCATGGGAGAGAGTCAGAGAGAGGGCAACAAACTGTAAGGCTTACACAAACA GTAACCCGACAACAGAATGAGCACGCACGAGAAACTTTTAACCGCCGACAACCCCGTCCT GCATCAACGCGCCAAAGCCATGCGCCAAGAAATGAGCGAGGCGGAAGCAAAATTGTGGCA GCACCTGCGGGCAGGCCGTCTGAACGGCTATAAATTCCGCCGCCAGCAGCCGATGGGGAA TTATATTGTTGATTTTATGTGCGTAACGCCCAAGCTGATTGTCGAAGCAGACGGCGGCCA GCACGCGGAACAAGCCGTATACGACCACGCGCGGACGGCATATCTCAACAGCCTGGGCTT TACCGTGCTGCGTTTTTGGAATCACGAAATTTTGCAGCAGACAAACGATGTACTGGCGGA AATCCTGCGCGTATTGCAGGAATTGGAAAAGCAGTATGCGCAATAACAAACGGTTAATTT TGATTAGAGTTTTGAAAATTATAGGATACAGGTAGGGTACAGGCTGCTTGAATTGAGCGT TTAGAAGACCGTCTGAAAAACAAAAAACAGCCCGCACAACCTGTTTTTCCTGCAGAACCC AAGCCGCAAGGCTTGTATTTAGGCGGTGAAGGCATTGGGGAAGGTTGCCGAAATTCGGAG TTGCAGGCGGTTTGAGAAAGAATGCCCGAAATATCAACAGCGGGAATTTTTCAGGCAGCC TTTATCGCAAGGCAGGTGGAACAAACGCCGCGAACGTTTTTTCAGACGACCTTTGAACTC ATCGGCAGAGAGTGTGCCGCAAGGCACGCACGCGGTGGGTTGGGGTTGCAGGGAAAATGG AGAACGCGTGCATACGTACCGCACATACCCTACATACGGGCTACGGCTTGCTACGATACG GGGGTTTCGATATACAAGTTAGGTTTTAGCAAACCCAACATTTTAGACAATTAAGCGGTT TGTGTTGGGTTTTCAACCCAACCTACGCTTGCTACGTTTATTGCAACATATTCGCAGGAG TTTAAATATGTCAATACCTATTAATTTCAATAATTTAAAGTATTTGCTTAATGATATGAG AAACAAAATAGAATAATTGAAGCATTTCCTTTTAATTATAATCAAAGGCAATACGCCGT TATTTTGACTAGGTATAAACCTGATGAACCTAGACCAGATGATTATGCACAAGCAAAATT AGAGTTTTTTAATTTGAATAGTGAAAATTCAATATTTGCGTATGCTGATTTTTATGAAGT TCATTTTAAAAGTGCTACTGATTTTATTAATTTTTTTAAAATTAATGTTCAGGCTGGTGC TGCGAAAATCAGAGAAATTTTTCAGAGTTTTAGTAATCTTTTTGCAGATTTCATTCCAAC ACAAACTAAAAAAGATTTAGACATAATTTATAAAAAGATTGTAGCTACTCGTTTAGAACC TAATTCTCCTAACACTATTTATTGCTATGATGTCCGTAGAAATGGGAAAGATAAGGCTGG CAAGCCTAATCGCAGGAGCGTGGAAAATAGTGAAAAAGCAAAAATTTTGCGCCCAGAGCT ATACGAAAAATTTAAAGCCGATAGTAATTACAGTTTTTTCTTTTCAGATAATCCAAGCGA TGAAAAAACAGATGCAGAAATAATTAGAGAAGTTACCAATCGTCAATAATCCAAATTCTT CCGGCCCTATCGTTATCGGTCAGGCCTGCGAATTTGACTATTCGGGCGCACAGGCCTGCA **AAGCCTTGCGTGAAGAAGGCTATAAAGTCATTTTGGTGAATTCCAACCCCGCCACGATTA** TGACCGACCCGAAATGGCGGATGTTACCTACATCGAGCCGATTATGTGGCAGACGGTGG AAAAATTATTGCCAAAGAGCGTCCTGACGCGATTCTGCCTACCATGGGTGGTCAGACTG CGCTGAACTGTGCGCTGGATTTGGCGCGCAACGGCGTGCTGGCGAAATACAATGTCGAGC TGATCGGCGCGACCGAAGACGCCATCGACAAAGCAGAAGACCGTGGCCGCTTTAAGGAGG CGATGGAGAAAATCGGCCTCTCCTGCCCGAAATCTTTTGTCTGCCACACGATGAACGAAG

CTTTGGCGGCGCAAGAACAGGTCGGCTTCCCTACCCTGATTCGTCCTTCTTTCACCATGG GCGGTTCGGGCGGCGCATTGCCTACAATAAAGACGAGTTTTTGGCGATTTGCGAACGCG GTTTCGATGCGT CGCCCACGCACGAGCTGTTGATTGAGCAGTCCGTTCTCGGCTGGAAAG AGTACGAGATGG AAGTGGTGCGCGATAAGAACGACAACTGCATCATCATCTGCTCGATTG AAAACTTCGACCCGATGGGCGTGCATACAGGCGACTCGATTACGGTTGCGCCGGCGCAAA CGCTGACGGACA.AGGAATATCAAATTATGCGTAATGCTTCGCTGGCGGTATTGCGCGAAA TCGGCGTGGACA CGGGCGCTCGAACGTGCAGTTTGCGGTGAACCCTGCAAACGGCGAGA TGATTGTGATTG AGATGAACCCGCGCGTGAGCCGTTCTTCCGCGTTGGCTTCCAAAGCAA CGGGTTTCCCGA TTGCGAAGGTGGCGGCGAAGCTGGCGGTCGGCTTTACGCTGGACGAGT TGCGCAACGACATCACCGGCGGCAAAACCCCCGCGTCGTTCGAGCCTTCCATCGACTATG TGGTTACCAAAA TCCCGCGTTTCGCGTTTGAAAAATTCCCTGCCGCAGACGACCGCCTGA CCACGCAGATGA.AATCGGTGGGCGAAGTGATGGCGATGGGCCGCACGATTCAAGAAAGTT TCCAAAAAGCCCTGCGCGGCTTGGAAACAGGCTTGTGCGGCTTCAATCCGCGCAGTGAAG ACAAAGCGGAAATCCGCCGCGAACTGGCGAACCCCGGCCCCGAACGTATGCTGTTTGTGG CAGACGCGTTCC GCGCGGGCTTCACGCTGGAAGAAATCCACGAAATCTGCGCCATCGACC CTTGGTTCTTGGCGCAAATCGAAGACTTGATGAAGGAAGAAAAAGCGGTTTCAGACGGCA TTTTGAGTGATT TGGATTTCGCCGCCCTACGTCGTCTGAAACGCAAAGGCTTCTCCGACA AACGTTTGGCACAATTGTTGAACGTAAGCGAAAAAGAAGTTCGCGAACACCGCTACGCGC TGAAGCTGCATC CGGTTTACAAACGCGTCGATACCTGCGCCGCCGAGTTCGCCACCGAAA CCGCCTATCTTT ACTCCACTTACGAAGAAGAATGCGAATCTCGTCCTTCCGACCGCAAAA AAGTGATGATTCTCGGTGGCGGCCCGAACCGCATCGGTCAGGGCATCGAGTTTGACTACT GCTGCGTTCACGCCGCGCTCGCCCTGCGCGAATCGGGCTTTGAAACCATCATGGTCAACT GCAACCCCGAAA CTGTGTCCACCGACTTCGACACCAGCGACCGCCTGTATTTCGAGCCGC TGACGCTGGAAGACGTGTTGGAAATCGTCCGCACCGAAAACCCGTGGGGCGTGATTGTGC ATTACGGCGGCCAAACCCCGCTCAAACTCGCCAACGCGCTGGTTGAAAACGGCGTGAACA TCATCGGCACGT CCGCCGACAGCATCGACGCCGCCGAAGACCGCGAACGCTTCCAAAAAG TGTTGAACGACT TAGGCCTGCGCCAACCGCCCAACCGCATCGCCCACAACGAAGAAGAAG CGCTCGTCAAAGCCGAAGAAATCGGCTATCCGCTGGTCGTGCGCCCGTCTTACGTCCTCG GCGGCCGCCATGCAGGTCGTCCATTCCGCCGAAGAGCTGCAAAAATACATGCGCGAAG CCGTGCAGGTTTCCGAAGACAGCCCCGTGTTGCTCGACTTCTTCCTGAACAACGCGATTG AAGTGGATGTGGACTGCGTTTCAGACGGCAAAGACGTGGTTATCGGCGGCATCATGCAGC ACGTCGAACAGGCGGCATCCACTCCGGCGACTCCGGCTGCTGCCGCCCTACTCCT TAAGCGAAGAAATCCAAGACGAAATCCGCCGCCAAACCAAAGCGATGGCGTACGCGCTGG GCGTGGTCGGACTGATGAACGTGCAGTTTGCCGTACAAGACGGCGTAGTGTTCGTATTGG AAGTGAACCCGCGCGCCAGCCGCACCGTGCCCTTCGTCTCCAAAGCCACCGGCGTGCCGC TCGCCAAAGTCGGCGCGCGCTGCATGGCAGGCATTTCCCTGAAAGAACAAGGCGTGGAAA AAGAAGTTGTCCCCGATTTCTATGCCGTTAAAGAAGCCGTGTTCCCATTCATCAAATTCC CGGGCGTGGATACGATTTTGGGACCGGAAATGCGCTCCACCGGCGAAGTCATGGGCGTGG GCGCAAGCTTTGGCGAAGCCTACTACAAAGCCCAACTCGGCGCGGGCGAACGCCTCAACC CGACCGGCAAAATCTTCCTCCGTGCGCGAAGAAGACAAAGAACGCGTCATTAAAACCG TCGGCGACGCGCTGAAAAACGGCGAAATCGCACTGGTCGTGAACACCGTTTCCAGCGATC CGCAATCCGTGTCCGACAGCCACATCATCCGCCAAAGCGCATTGCAGCAACGTGTGCCGC AATACACCACCACCGCCGGCGCAAGCGAAGCGAAGGCGCAAAAGCCGAGACCATC TGGGCGTGTACAGCGTTCAAGAACTGCACGGGCGTTTGAAAAACCGCAACTGATGCCTGA ATCAGGTTGAAAATGCCGTCTGAAGCCGTTTTGCGGTTTCAGACGGCATTTTGTCATTTG GAAAGCCGATGTTGCCACACACACACGCCGTACATAAGGAACAGCCCTATCACGCTCCCCAT GTGAGTAAAAACAGTTTTATGACAGGTTTTTATAGAATTATCCACAGAGATTGTTTCCCA GTTCCTCCACTAAAAAATCCAAAAATACGCGTAAGCGGAGATTGACGGCTTTATCGCTGT AATAAACAGCATTAAAGGGGTGTGTTTTATCGGAGGTTTGTTCGGCGAGCAGGGGAATTA ACTTTCCTTCAGCGATGTCGTTGTCAACCAAAAAATCTGATAAGCAAACAATACCGCAAC CTGAAAGGCACAACGAGCGTAAGATTTCACCGCTGCTGGCGGTAAAGTGCGGTGAAATCT TATAGGGATTTCCCTGCGCATCTAAAACCGCCCATGTATTTAGAGAACCGGGTTCGGTGA AGCCTAAACATTGGTGGCCGGCAAGCTCTTCTGTAGATTGCGGCGTGCCGTGTTTTGCCA GGTATTCAGGACTGGCGATTACGCGGAAGCGGCTGTCAAACAGATGGCGTGCACGCAGCC CGGAATCGTCCAATTCTCCGGCCCGTAAGGCAATATCGACTTTGCGTTCAATCAGATTGA CTGCCAGCGGCCCAGCAGATGCAGCACCATCGGCATCGCGGAATCCACGCTCAACACGC CTTGCGGTATTTCGTGCACTGCCAGCATTTCGGTTTCCGCCGCTGCCATTTCTTGCAGGA TTCTCTGCGCGCGGGAAATATTGCGCGCCTTCTTCCGTCAGACTGAGTTGCCGCGTGG TGCGGTTGAGCAGGTTCACACCCAACTTTTCCTCCAGCCGTTTGACGATGCGGCTTACGG CAGAATTTGCCATCGCCAACTGCTCCGCCGCACGGCTGAAGCTGCCGCTTTCCACCACTT GAACAAATACGGTCAGTTCTTCTGAATTGGTTTTCATCGTGTTTCCTTTTTCGGTTGGAAC CCCGCCCTTTAGGGCGGCAGGATCAGACTTTATTTGGGAGGGGTGTAACCCCTTCCGAAT CAGGACGCACACAGGGCGGTGCTTTATGTGCCATCCCGTGTGTTGGAACATCTGATTAT TTCATTTGACGCAAAAGTGTTTTCTTATTTTTGCACTTTTAAATTATAAAGTAAAACGGC ACAATACATCATCAATTCACAAACGAGGTAACAAATGAATATTTTATTATTAGACGGCG GCAAGGCGTTCGGACATTCTCACGGCGGGTTAAACCGTACGCTTCACAAAAAAGCGAAAG TTGAGGCAGAAATCGAAAAGTTCGTTTGGATGGATGCTGTGATTTGGCAGATGCCGGGCT GGTGGATGCACGAGCCTTGGACAGTGAAAAAATACATAGACGAAGTATTAACCGCTGGAC AGGGCAAACTCTACCAAAGGGACGGCAGACACAGCGTCAATCCGACTGAGGGCTACGGCA CAGGCGGCTTGTTGCAAGGCAAAAAACATATGATTTCACTGACTTGGAATGCGCCGATTG

AAGCCTTTACCCGCGAAGGCGATTTCTTTGAAGGCAAAGGCGTTGATGTTTTTGTATATGC ACTTCCACAAAGCCAACGAGTTTTTGGGTATGACCCGCCTGCCGACATTCTTATGTAACG ATGTGGTTAAAAATCCGCAAGTGGAAAAATACTTGGCAGATTATCAGGCACACTTGGAAA AAGTGTTCGGCTAAAAATTTATCTTATAAACAAACAAAGGCAGCCTGAAAGATTGAATGG TTTCAGCTTTTCGTTGGGTTAGATATTCTTGCCCACTGTTTTCAGGCAGCCTTGAATACA GCGTCATCAACAATGACTGAGTTTCTCGCCTCTCGCGCCTGAATCTATAGTGGATTAACA **AAAACCAGTACAGCGTTGCCTCGCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTTG** CAAAAGAATGCCGTCCGAACGTCCGTTCAGACGGCACTTGTCTTCCCACAATAGACTTGA GGCTGTTCTAACGTACCACCCCTTCGTTCCGCCCCAAAACCATCGCATCGCCGTAGCTGA AGAAACGGTATTCGCGTTCGACCGCATGACGATACGCGGCGCGCGATATGACCCATACCCG AAAACGCGCTGACCAACATCAGCAGCGTCGATTTCGGCAAATGAAAATTGGTAACCAGTC TGTCGACAACATTAAAACGGTAGCCCGGCGTGATGAAAATATCGGTGTCGCCCTGCCCCG CTTTCAGACGACCCGTCGCACGCGCGGCAGATTCGAGGGCGCGCATGGAAGTCGTGCCGA CCGCCCAGACTTTGTTCCCCCGGGCTTTTGCCGCCTCAACGGCGGCGGCGGTTTCAGACG GGAACGTTCCGGCACCGACGTGCAGGGTTACTTCTGCGGTTACCGCGCCTTTGTCTTTCA TATAAGGCGGCAGGGGCAGGTGTCCGTTCTGTTCCAAAAGTTCGTAAACGGTCTCTCCGC $\verb|CTTCAAAACGCAGGCAGAACAGTTCGCCCTCACGCCCGACCGTCACGGCGGGGATGCCGC|\\$ CTTCAAACACCAGCCCCATACCGGGCTTGGGCGATTTGGACGAACGGATGTGCGCCAGTG CGGTATGGTTGTCCAACACGCGCTCAATCAGGGCTTCGATCCTGCCGCCGCTGTCTTTCT CGACATAATCCGGCAAATCGCCGAACACCCGGTCTTGCAGCGGCATATCGGGCAACGCAA CCAAAAGGCGGCTGCTGCCGCGCACTTCGGGCGGATGCTGGGCAATCAGCTTTTCGGGCA **GGGTAAAATCAAAATCTGAAATATCCATTTTTACACTCTCGTTCGGGCAAGCCGCCATTA** TACGCACTTTAGCCCTTTTTCAGACGGCATCTTTGTCCGAAAAACCAACAGATTAGAATA **AACACTCTTAACCTGGAACATCTTGTGCGCAAAATCAAACTTCCTGCACATTTCCCCCAA** AAACCGCCGTTTTTTGATATTTTACTGGACATTTACCGACAACTTCGGGAAAATAAACAC ATTCTCACGGTCGTTTTCCACCACAGGAAAACCGTATCCGAACACCATTCCGCCCGGTTT GCGCCGTTGCCGCAAGCCGGCTGTTTTCTGAAAAACCAACGCAACAACCCGCCGGAACAC TTGAAGAATCGGGTATCGCCGAAATCGAAGTAACCGAAGGCGAGGAAAAAGTCCGCATCA CCCGAACCATCGCCGCCGCACCCGTTTACGCCGCGCCCGTACCTGCCGCCGCCGCCGCCG ATTTGTCCGACGCGCAAAAATCGCCTATGGTCGGCACGTTCTACCGCGCACCCGGCCCGA ATGCCGCGCCTTTTGTCGAAGTCGGCCAACAAGTTAAAGCCGGCGACACGCTGTGCATCA TCGAAGCGATGAAGCTGATGAACGAAATCGAAGCCGAAAAATCCGGCACGGTCAAAGAAA TTTTGGTCGAAAACGGTACGCCCGTCGAATTCGGCGAACCGCTCTTCATTATCGGATAAT CCTGTTTTCAGACGGCATAAACTTCCGATGCCGTCTGAAATGCTTTCCCCCTTCAGCGTT CCCGCACCCTTTTTTACGGACGGGTTGCCGGAACCGCAGGAAAGGTCATCATGCTGAAAA TGGGCATTGCCACCGTCGCCGTGCATTCCGAGGCCGACAAAGACAGCCTGCACGTCAAAC TCGCCGACGAATCCGTGTGCATCGGCCCTGCCGCTTCCGCGCAAAGCTACCTTAACGTCC CCGCCATTATCGCCGCCGCAAGTAAGCTGCGCGGACGCTGTCCATCCGGGTTACGGTT TCCTTGCCGAAAACGCCGATTTCGCCGAACAGGTCGAGCAGTCCGGCTTTACCTTTATCG GCCCGAAACCCGACACCATCCGCCTGATGGGCGACAAAGTCTCCGCCAAACACGCGATGA TAGCGGCAGGCGTACCCTGCGTCCCCGGTTCTGACGGCGCATTGCCCGACGACGCGAAG AAATCCTCAAAATCGCCGATAAAGTCGGTTATCCCGTCATTATCAAAGCCTCTGGCGGCG GCGGCGGCCGCGTATGCGCGTGGTCGAGAAAAAAGAAGACCTCCTCCAATCTGTCGAAA TGACCAAAGCCGAAGCAGGCGCGCATTCGGCAACCCGATGGTTTACATGGAACGCTATT TGCAACGTCCGCGCCACGTCGAAATCCAAGTGATTGCCGACGAACACGGCAACGCCATCT ACCTTGCCGAGCGCGACTGTTCGCTGCAACGCCGCCACCAAAAAGTCATCGAGGAAGCAC CGGCTCCGTTCATCACTGAAAAAGAACGCGCCAAAATCGGCAACGCCTGTGCCGATGCCT GCAAACGCATCGGCTACCGGGGCGCGGGTACGTTTGAGTTTTTATACGAAGACGGCGAAT TTTTCTTTATCGAGATGAACACGCGCGTTCAGGTCGAGCATCCGGTTACCGAGCTCATCA AACAAAAGGATATTCAAGTCGAAGGCCACGCGTTTGAGTGCCGTATCAACGCCGAAGACC CGTACAACTTCATTCCAAGCCCGGGCCTGATTGAAAGCTGCCACCTGCCCGGCGGCTTCG GTATCCGCGTGGACAGCCACATTTACCAAGGCTACCGCATCCCACCGTACTACGACAGCC TGATCGGCAAAATCTGCGTACACGGCAAAACGCGTGAACAGGCAATGGCGAAAATGCGCG TCGCACTCGCCGAGCTGGCGGTAACCGGCATCAAAACCAATACGCCGCTTCACCGCGACC TGTTCGCCGATGCGGGTTTCCAAAAAGGCGGCGTCAGCATCCACTATTTGGAACACTGGC TGGAAGATCGCAAAGCCAAACAGGACAAGTAAACCGCCGCCGATATGCCGTCTGAAGCCG CCCGTCCGCGTTCAGACGGCATTTCCCTTGCCCCGCGCCGTCTGAAACCGATTTCGATAT AGTGGATTAACTTTAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAAAGATTCT CTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCG TCGCCTTGTCCTGATTTAAATTCAATCCACTATATTTCCAAGAAAGCCCGTTATGCCCTA CCAACAAATCACCGTCAACGTCAACGATGCCGTCGCCGAACGCCTCGCCGACGCGCTGAT GGAACACGGCGCACTCTCCGCCGCCATCGAAGATGCCTACGCCGGCACGCAAAACGAACA GGCGATTTTCGGCGAACCCGGTATGCCCGCCGAACAAATCTGGCAGCAGAGCAAAGTCAT CGCCTGTTCGGCGAACACGACGAAGCCGCCGCCATCATCCAAACCGCCACACAAGAATG CGGGTTAAAAGACTTGGCATACACCGGCGAAACCATCGAAGACCAAGACTGGGTGCGTCT CACGCAATCGCAATTCGACCCCATCCGGATTTCCGACCGCCTGTGGATTACCCCCTCTTG GCACGAAGTCCCCGAAGGCAGTGCCGTCAACCTCCGCCTCGACCCCGGACTCGCCTTCGG CACCGGCAGCCACCCGACCACGCGCCTCTGCCTCAAATGGTTGGATACGCAACTCAAAAA CGGCGAAAGCGTCCTCGACTACGGCTGCGGTTCGGGCATCCTGACCATCGCCGCCCTCAA ACTCGGTGCAGGTTTCGCCGTCGGCGTGGATATTGACGAACAGGCCGTCCGCGCCGGCAA GGACAACGCCGCGCAAAACAACGTCGATGCACAATTCTTCCTGCCCGACGGTCTGCCTCA AGGGCAATTCGACGTAGTTGTCGCCAACATCCTCGCCAACCCTTTGCGTATGCTTGGCGA AATGCTCGCCGCCCCAAACAGGGCGGACGCATCGTGTTGTCCGGTTTGTTGGACGA ACAGGCCGAAGAACTCGGCGGCATTTACAGCCAATGGTTCGACCTCGACCCGGCGGAAAC CGAGGAAGGATGGGCGCGATTGAGCGGCGTAAAACGCTGAAACGGAAAGGAAACACCGTG CAGGATAAAAACAACCTCTGCTGGCTCGATATGGAAATGACGGGGCTGAATCCCGAAACC GACCGCATTATCGAAGTCGCGATGATTATTACCGACTCGGATTTGAATGTGTTGGCGCAA TCCGAAGTTTACGCCGTCCACCAAAGCGACGACGTGCTGAACAAAATGGACGAATGGAAC **ACCGCCACACGGGAGGGGGGGGGGGGACACGGGGAATCGTCGCATACCGAA** GCCGAAGTCGAACAGAAACTGCTGGACTTTATGTCGGAATGGGTACCCGGACGCCCACG CCGATGTGCGGCAACTCCATCCACCAAGACCGGCGTTTTATGGTCAAATATATGCCGAAA CTGGAAAACTACTTCCACTACCGCAACCTCGACGTTTCCACGCTGAAAGAACTCGCCAAA CGCTGGAATCCGCCCGTTGCCAAAAGCGTCGTCAAACGCGGTTCGCACAAGGCATTGGAC GACATTTTGGAGAGCATCGAAGAAATGCGCCACTACCGCGAACACTTTCTGATTTCCGCC CCGAGAGCCGAA GCGCAATAAGAAACAAACAATGCCGTCTGAAACGCAGTTTGCATTTCA GACGGCATTTTTACAGCAGATTGAAATCAAAAATATACACGCCCGTCATTCCCGCACAGG CGGGAATCCGGAAGGTCGGGCCTGCCGTTATTTTCAATCATTACAGAAACTGAAAGGTCT GGATTCCCGCCTGCGCGGAATGACGGGCGTGTGCATTCTTATAGTGGATTAACAAAAAT CAGGACAAGGCGACGAAGCCGCAAACAGTACAAATAGTACGAAACCGATTCACTTGGTGC TTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTT TGTTAATCCACTATACTTCAATCTGCCAAACAGATCGAACAGAGAAACCCTGTCCGTCAA AACATCATTCAGCCATCGCCTTGAACACTTCAACCGCAACCGCAACCGTTTCGTCAATCA GCTCGGGCGTATGCGCGGGGGAAACGAAACCTGCTTCATAAGCGGACGGGCCGAAGGCGA CATTGCGGTCGAGCATCCCGTGGAAAAACTGTTTGAAGCCTTCAATATTGGAACGCGCCA TATCGGCATAGTTTCGCGGCGCGTGTGCGGCGAAATACAGACCGAACATACCGCCCACGC TGTCGGCGGTGAACTCGATGCCCGCCGCATCCGCTGCCGTCCGAAAACCTTGAACCAACT GTTCGGTACGCGCCGTCAGGTTTTCATAGAAGCCTTCGCGCTGGATGATTTCCAGCGTTT CGCCGCCGATGACTTTGCCCATCGTGGTCAGGTCGGGCGTGATGCCGTGCAAAGATTGCG CGCCGCCGAGCGCGACGCGGAAGCCGGTCATCACTTCGTCGTAAATCAACACCGCGCCGT TATTGCCGACGAAGGGTTCGACAATCACGCAGGCGATTTCATTGCCGCTTTGAGCAAAGG CTTCTTCGAGTTGGGCGATATTGTTGTACTCGAGTACCAAAGTGTGTTTGGTAAAGTCGG CAGGCACACCGGCGGAAGACGGCTTGCCAAACGTCAGCAGACCGCTGCCGGCTTTCACCA GCAGGCTGTCGGAATGCCCGTGGTAGCAGCCTTCAAACTTGATGATTTTTGTCACGCCCGG TAAAACCGCGTGCCAGACGGATGGCGGTCATGGTCGCTTCGGTACCGGAGCTGACGAGGC GCAGCCGTTCGACGGACGCATGATTTTTGGCGATTTCTTCGGCAATGACGATTTCGCCTT CGGTAGGCGCCCGAACGACAAACCGCCCAATGCGGCTTCGCATACGGTTTCGACGACTT CGGGGTGCGCGTGTCCGACATCGCAGGTCCCCACGAGCCGACGTAATCGGTATAGCGCG TGCCGTTTTCGTCCCAAACATACGCGCCTTCGGCTTTTTTGATAAAGCGCGGTACGCCGC CGACGCTGCCGAATGCGCGGACGGGGAATTCACGCCGCCGGGGATGATGGCTTTGGCGC GGTCGAATAAAATTTCGTTACGGTTCATATATATCCTCAAATGCCGTCTGAACGGCAGGT TTCGGGCTTGGAAGCAGAAAGCCCCATTTTATCATTTTTCAGGTTGCGACAAGGATTTGC CCGCTTCTTTGCGGATCACGCCAACCGCATCCCGGATGACGGAACGCTCGTCTTTTTCCA CTTTATGTGTAAAGCGGTAGTCTCGGACGACTCCCTCCCCGTCGTAATCCACACCACT CCCAATGTCGGCGTTCTGATTTCATATAAATGAAATTGGTCGGCAAAAAATTATAAATCG GCAGGCTGACTTCATGATAGGCATAACAACCGAAAGGGTTGCGCTTCCCGAAACGTGCCT CTACACCTCCGCCCGGGTCGTTTTGCCTTTAACAACCGTTTGTGCGATTCCCTCTTCCGT CTGATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAGATA GTACGGCAAGGCGAGGCAACGCTGTACTGGTTTTTGTTAATCCACTATAACGCAGGAACT GATGTTCCCTGTCGCCGAAATTGCTGGTACACGCACACAGCAGCAATGCCGCCCATACAG ATTCATATTTTAAAACAATATCCTGCCTCCAAAACCCACATCGTGCTATAATCCGCACCG ATTTTCAGACGCCATCGTGCCGTCTGAAATTTTTTCATTCCAACAACAATCAGCCCC GCGATTACGGCTGCCTGAGAAAGACACAAACCATGAAAAAAGTATTTATCCGCACCTTCG GCTGCCAGATGAACGAATACGACAGCGACAAAATGCTCGCCGTCCTCGCCGAAGAACACG GCGGCATCGAACAGGTTACCCAAGCCGACGAAGCCGACATCATCTTGTTCAACACCTGCT AAGAAAAAACCCCGGCCTCATCATCGGCGTTGCCGGCTGCGTCGCCAAGAAGGCG AAAACATCATCAAACGCGCGCCTTATGTGGACGTGGTTTTCGGCCCGCAAACGCTGCACC GCCTGCCAAAAATGATTGTGGACAAAGAAACCAGCGGGCTGTCGCAAGTCGATATTTCCT TCCCCGAAATCGAAAAATTCGACCACCTGCCGCCCGCGTCGAAGGCGGCGCGCAT TTGTATCGATTATGGAAGGCTGTTCCAAATACTGCTCCTTCTGCGTCGTCCCCTACACGC GCGGCGAAGAATTCTCCCGCCCGCTCAACGACGTATTGACCGAAATCGCCAACCTTGCCC AGCAAGGCGTGAAAGAAATCAACCTCTTGGGACAAAACGTCAACGCCTATCGCGGCGAAA TGGACGACGGCGAAATCTGCGACTTCGCCACCCTGCTGCGCATCGTCCACGAAATCCCCG GCATCGAACGTATGCGCTTCACCACCACCACCGCGCGAGTTTACCGACTCGATTATCG AGTGCTACCGCGACCTGCCCAAACTGGTTTCCCACCTGCACCTGCCGATTCAAAGCGGTT CCGACCGCGTATTGAGCGCAATGAAACGCGGCTACACCGCTTTGGAATACAAATCCATCA TCCGCAAACTGCGCGCCATCCGTCCTGATTTGTGCCTGAGCAGCGATTTCATCGTCGGCT TCCCCGGCGAGA CCGAACGCGAGTTCGAGCAAACCTTGAAACTGGTGAAAGACATCGCCT TCGACTTGAGCTTCGTGTTTATTTACAGTCCGCGCCCCGGCACGCCTGCCGCCAACCTGC CGGACGACACGCCGCACGAAGAAAAAGTGCGCCGCCTCGAAGCCTTGAACGAAGTCATCG AAGCCGAAACCGCGCGCATCAACCAAACCATGGTCGGCACGGTACAACGCTGCCTGGTCG AAGGCATCTCCA.AAAAAGACCCCGACCAACTGCAAGCCCGTACCGCCAACAACCGCGTCG TCAACTTCACCGGCACGCCCGACATGATTAACCAAATGATCGATTTGGAAATCACCGAGG CCTACACCTTCTCCCTGCGCGCAAAGTTGTCGAAGCCTAAACCCTCACGCCGAAAAAAT GCGGCTTAATTTGCCGCATCCGATCCGACAGCCACGCGCGCACACGCCGTTCCACCGCT TCGGCACTCAAGCCCAAATCGTCTAAAAGTTTTTTCGGATCGCCGTGTCCGGTTACGGTA TCGGCAACGCCCAAAAGCAAAACGGGTTTGCAGATGCCGTGTTTCGCCAATACTTCCAGC ACCGCGCCGCCTGCCCCCTGTTCGGCGTTTTCTTCAAGGGTAACGATGCGGTCGTGG CTTCGGGCAAGGCGGACAATCAACTCTTCGTCTATCGGTTTGACGAAGCGCATATCGGCG ACGGTGGCGTTCAGTTTTTCGGCAACCGCCAATGCGGGGGGGACCATACTGCCGAAGGCA ATGAATGCGGTTTTCTCACCTTCGCGGCGGATAATGCCCTTGCCGATTTCCACGGTTTCC ATGCCGTCTGAAACCGGCGCCCCGTACCCGTGCCGCGGATAGCGGACGGCGGCGGC GCGTCTGCCTGATAGCAGGTCGAAAGCAACAGGCGGCATTCGTTTTCATCGCTCGGCGCG GCGACAATCATGTTCGGCACGCAGCGCAAAAAGCTCAAATCGTACAGACCGGCATGGGTC AGGGCGATGTCGTGCACCAGTTGGTCGTAGGCGCGTTGTAAAAAGGTGGAATAAATCGCC ACGACGGGCTTCATCCCTTCGCAAGCCAAACCGCCGGCAAAGGTAACGGCGTGCTGCTCG GCGATGCCGACATCGAAATAGCGGTCGGGGAATCGTTGTTCAAACTCAACCAAGCCGCTG CCCTCGCGCATGGCGGGGTAATCGCAACCAGTCGGGAATCTGCCGCCGCCCGGTCGCAC AGCCATTTGCCGAACACTTGGGTATAGGTCGGTTTGGCGGCGGGCTTGGGTTCTTTTTCA GACGGCATTTGCGCCGCGCTTTCTTTAGGCAGGTTGGCGACGGCGTGGTATTTGACGGGG TCGTTTTCGGCGAGTTTGTAGCCGTTGCCCTTTTTGGTGATGACGTGCAGCAACTGAGGG ACGGGGCCGGTGTAGCGGAAGCCGAAGTTTTCAAACAAAGACAGCGACTGTTTGGCGTGT TCGGCTTCTTCGGCAAGGGTTTTGATTTTGTGTTCGACTTTTTGGGCAAACTCCATCGCG CCGGGTATTTTGTCTAATACCTTGCCCGTTTGCGCTTTGACGGTACTCAACAGGCCGTGC ATATCGCGCACGACGTTGCTGGCAAGGTATTTCGGCAGCGCGCCGACGTTGGGGGAAATC GACATTTCGTTGTCGTTGAGGACGACCAGCAAATCCACATCCATATCGCCTGCGCAATTC AAGGCTTCAAACGCCTGCCCGCCGTCATCGCGCCGTCGCCGATGATGGCGACGCTGCGG CGGTCGCTGCCCAAGAGTTTGTCTGCCGCCGCCATGCCCAACGCCGCCGCCGATGGAGGTG GAGGAATGCCCCACGCCGAACGCGTCGTACTCGGACTCGCAACGTTTCGGAAAACCCGCC GGATAGCTTTGGTGTCCGACATCCCACACCAGCTTGTCTTCGGGCGTGTCGTACACATAG TGCAGGGCGATGGTCAGTTCGACCGCCCCAAATTGCTGGCGAAATGCCCGCCGGTCTGC CCGACAGATTCCAGCAGAAAGGTGCGCAACTCGCCGGCAAGGCGCGGCAGCTGTTTTTTG TCCAGACGGCGCAAATCTTGCGGGCTGTCAATCAGGTCGAGTAGGGGGCTTGGGTTCATG GTGTGTCTTTTTTATGTGTCGTCCGGGTGCAACGGTCAATTATATATCAAGAGCGTGCGG CTGACGGCTGATTTTGCCGTATGTCATTCGTCCTGCCGCTTGGCGCGCGGGTGGGCTTCG TCATACAGGCGGGCGATGTGGTCGAAATCGAGCTTGGTATAAATCTGCGTGGTCGAAAGG CTGCTGTGCCCGAGCAGCTCCTGCACCGCCCTGATGTCGCGCGAAGCCTGCAATAGGTGT GCCCATTGCGCCAAACGTTTTTGGATTTGGCGTTGGCTCAGGCGCGTGCCGTTCCTGCCG GTAAACAGGGCTTTGCCGTCCGATGCCGTCTGACGCAGCGGCAGATAGTTTTTCAGGGCT TCCACGCTTTTGCCGACCAGCGGCACCTGCCGCTGCTTGCGCCCTTTGCCGATAACGTGT ACCCACGCCTCGTCCAAATAGACATCATCTGCATTCAAGCCGTGTATCTCGCTCACGCGC AAACCGCTGCCGTACATCAGTTCGAACAGGGCGTGGTCGCGCACCGCCAGCGGGTCGCCG CCGTCCACGGGCAAATCCAGCATCCGGTTCAGCCATTCCTGCGGCAGGGCTTTGGGTACG TTTACCAGCCAAACGCAATACTGCCGCCAAGACGAAAGCTTGCGAGCCAGCGTCCGTTCC CCCAAACCGCGGCCGGACAGCCGGCGTAATGCCTGTACGAAGTCGCCGCGAGTGCAATTT GAAGGGTTTGCAGACGGCATTTCTTCCAGAAGGGCAAGCAGTTCCTGCAAGTCGCGCCGG TATGCGGCAACCGTGTGCTCCGATTTACCCTCGCGCACGATATTTTCCAAATAAGCGTCC AAGTATGCCGCAAGTCCGTCCAAACCCATTCCCACACCTAAAATAACATTAGAAACATTA TCATAAATCGGAATATCCGAATCCCGAAACGTCAAAACCCGACAAACCTGCATACTGGCA TCGTTAATATAAAATCAATGAGCTGTTTATGGTTTTTTGCTGTAAAAAACATTATAATCC GCCTTATTTACCTATTGCCCAAGGAGACACAAATGGCACTCGTATCCATGCGCCAACTGC TTGATCATGCTGCCGAAAACAGCTACGGCCTGCCGGCGTTCAACGTCAACAACCTCGAAC AGATGCGCGCCATCATGGAGGCTGCAGACCAAGTCGACGCCCCCGTCATCGTACAGGCGA GTGCCGGTGCGCGAAATATGCGGGTGCGCCGTTTTTACGCCACCTGATTTTGGCGGCTG TCGAAGAATTTCCACACATCCCCGTCGTCATGCACCAAGACCACGGCGCATCACCCGACG TGTGCCAACGCTCCATCCAACTGGGCTTCTCCTCTGTAATGATGGACGGCTCGCTGATGG AAGACGGCAAAACCCCTTCTTCTTACGAATACAACGTCAACGCCACACGTACCGTGGTTA ACTTCTCCCACGCTTGCGGCGTATCCGTTGAAGGCGAAATCGGCGTATTGGGCAACCTCG AAACCGGCGAAGCAGGCGAAGAAGACGGTGTAGGCGCAGTGGGCAAACTTTCCCACGACC **AAATGCTGACCAGCGTCGAAGATGCCGTATGTTTCGTTAAAGATACCGGCGTTGACGCAT** TGGCTATTGCCGTCGGCACCAGCCACGGCGCATACAAATTCACCCGTCCGCCCACAGGCG ATGTATTACGTATCGACCGCATCAAAGAAATCCACCAAGCCCTGCCCAATACACACATCG TGATGCACGGCTCCAGCTCCGCTCCGCAAGAATGGCTGAAAGTCATCAACGAATACGGCG GCAATATCGGCGAAACCTACGGCGTGCCGGTTGAAGAATCGTCGAAGGCATCAAACACG

GCGTGCGCAAAG TCAACATCGATACCGACTTGCGCCTTGCTTCTACCGGCGCGCGTACGCC GCTACCTTGCCG AAAATCCGTCCGACTTTGACCCGCGCAAATACCTGAGCAAAACCATTG AGGCCATGAAGC AAATCTGCCTCGACCGTTATCTTGCGTTTGGCTGCGAAGGTCAGGCAG GCAAAATCAAAC CTGTTTCGTTGGAAAAAATGGCAAGCCGTTATGCCAAGGGCGAATTGA ACCAAATCGTCA.AATAACAGGTTGCCTGTAAACAAAATGCCGTCTGAACCGCCGTTCGGA CGACATTTGATT TTTGCTTCTTTGACCTGCCTCATTGATGCGGTATGCAAAAAAAGATAC CATAACCAAAAT GTTTATATATTATCTATTCTGCGTATGACTAGGAGTAAACCTGTGAAT CGAACTGCCTTC TGCTGCCTTTCTCTGACCACTGCCCTGATTCTGACCGCCTGCAGCAGC GGAGGGGGTGGT GTCGCCGCCGACATCGGTGCGGGGCTTGCCGATGCACTAACCGCACCG CTCGACCATAAA GACAAAGGTTTGCAGTCTTTGACGCTGGATCAGTCCGTCAGGAAAAAC GAGAAACTGAAG CTGGCGGCACAAGGTGCGGAAAAAACTTATGGAAACGGTGACAGCCTC ANTACGGGCAAA TTGAAGAACGACAAGGTCAGCCGTTTCGACTTTATCCGCCAAATCGAA TCCGCCTTAACCGCCTTTCAGACCGAGCAAATACAAGATTCGGAGCATTCCGGGAAGATG GTTGCGAAACGC CAGTTCAGAATCGGCGACATAGCGGGCGAACATACATCTTTTGACAAG CTTCCCGAAGGC GGCAGGCGACATATCGCGGGACGGCGTTCGGTTCAGACGATGCCGGC GGAAAACTGACCTACACCATAGATTTCGCCGCCAAGCAGGGAAACGGCAAAATCGAACAT TTGAAATCGCCAGAACTCAATGTCGACCTGGCCGCCGATATCAAGCCGGATGGAAAA CGCCATGCCGTC ATCAGCGGTTCCGTCCTTTACAACCAAGCCGAGAAAGGCAGTTACTCC CTCGGTATCTTT GGCGGAAAAGCCCAGGAAGTTGCCGGCAGCGCGGAAGTGAAAACCGTA AACGGCATACGC CATATCGGCCTTGCCGCCAAGCAATAACCATTGTGAAAATGCCGTCCG AACACGATAATTTACCGTTCGGACGGCATTTTGTATTGCACCGTCCGACGGCATGCCCAA GGGGGGAAATCCCTATTTCAGGCCAACCGCTATATAATGCCGTCTGAACCAACGAGAGA ATGCCATGCAAGCTGATTTTAACCGTCCCGTCCTGGCCGTCGATACCGGTACTTCCCGTT TGTCGCTCGCGCTGCGTGCCGACGGCGAAACCCGTCTGTTCCATCAGGAAGTCGGCAGCC GCCAGTCCGAACTGATTCTGCCGGAAATCCGCACCCTATTCCGCGATGCAGGCATTACCG CCGCCGATTTGGGTGCGGTCGTGTACGCACAGGGTCCCGGCGCGTTTACCGGACTGCGTA TCGGCATCGGTGTAGCTCAGGGTTTGGCAACGCCGTTTGATACCCCCTTAATCGGCGTAC CCTCGCTCGATGCCGCCGCCTCGCTGCCGCCGCAAAGCTGCATCCTTGCCGCTACGG ACGCTCGTATGGGCGAAGTGTTTTATGCATGGTTCGATACGCTGAACTGCCACCGTTTGA GCGATTATCAGGTCGGGCGGGCGGCAGACATCCGGCTGCCGGAGGGATGCGCCTTTTCAG ACGCCATAGGCA GCGCGTTCGCGCTGGAAGAAGCTCCGCCGTTCTCAGGCAGACCGGATA TGCCGACTGCCGCCGACTTTCTCGCATTGGCAGCCAAGGGCGGTTATCCTGCCGTCCATG CCGCACACGCCGGTTTGCTCTACGTCCGCAACAAAATCGCCCTGACTGCCAAAGAACAGG CCGAACGGAGAGCGCCCCGTGAACATCCGCCGTGCCGTTTGTGCCGATTGTGAGGAGCT GGCCGCACTCGATGCCGTCTGCAACCCGTCCGCATGGACGCCAACGCCAATTTGAGTCCGC ACTGGTTTCGCCGTCCGAACAGGTTTTCCTTGCGGAAAAAGACGGCGGGATTGCCGCCTT TATCGTTTGGCAGAACCTGCCCGACGAATCCGAACTGCACCTGATTGCCACCGCGCCCGA ATGCCGCCGCCAAGGAATTGCGTCCGCCCTGCTCGAATATTGGTTCACACATCTGCCCGA AGACACGCAACGCCTGCTGCAAGTCCGTGCAGGCAACACCGCCGCACAGGCACTGTA CACGGCGCACGGCTTCAGCATTACGGGCAGGCGGAAAAACTATTACCGTACAGCCGACGG CACGAAGCTTTGGGTTTGGGTCCGATGTGGCTGAAACAGGCCGCCGCCGTCCTGCCGCCC AAAAACACACCCGCACCCTCGGCACAGGCACGTCCCCAAACCGTCCGCGCCCCCGATC CGCCCTTCCCAACCCCATAACGGTCAGGCGCGCCTCGAAACGATGAAAGCGTTGGAAACC GCCGCCGTACCTACGCGCAAACCCGCGCCTGAAACCGAAACGCCTCTGCCCGGCCTTTCA GACGGCATCGCCCCCGTTCCCGCCGCTTCGGGCATCACCAAGCTTGCCGTCGTCAGCCTT TGCCCACCGATC GAGGATGCGGTTTACGGGCAACTGTTCCACGGCAAAGCAGGCATCCTG CTCGACAACATACTCAAAGCCGTAGGACTGGATGCCGCCTATGTCCACAAAACCTGTTGG GTGAAAACCGCCGCCGTCGGCAACCCGATGCCGTCTGAACAGGCCGTCGCGAATGCGCTG GGTCAAATCGCCCGCGAACTCGACGGCTGCCGCGCCCCGGCTGTCCTTTTCCTCGGGCAG GCTTTTGTCCAGCCTGAACGCCAAACGATGATTGAAACTTTGTGCGGCAGCCGTCCCTTC TTCATCATCGAC CATCCCGCCCGGCTTTTACGCCAACCCGAACTCAAAGCCCGCGCCTGG CAGGTGTTGAAACAGTTGAAACGCGCCTTGCGGCAAGGCGGCGGCAGTTGAAGCGCGCCG CACGGGGCGGTAGAATCGCAACTGCGTCCCAATATCTGACAGAAAGCACAAAATGACCGA TTTCCGCCAAGATTTCCTCAAATTCTCCCTCGCCCAAAATGTTTTGAAATTCGGCGAATT TACCACCAAGGCAGGACGGCGGTCGCCCTATTTCTTCAATGCCGGCCTCTTTAACGACGG CTTGTCCACGCTGCAACTGGCAAAATTTTACGCACAATCCATCATTGAAAGCGGCATCCG ATTCGATATGCTGTTCGGTCCCGCCTACAAAGGCATTATTTTGGCGGCGGCAACCGCGAT GATGCTGGCGGAAAAAGGCGTGAACGTCCCGTTTGCCTACAACCGCAAAGAAGCCAAAGA CCACGGCGAAGGCGGCGTGTTGGTCGGCGCGCGCGCTTAAAGGGCGCGTGCTGATTATCGA CGACGTGATTTCCGCCGGCACATCCGTACGCGAATCGATCAAACTGATTGAAGCGGAGGG TGCAACCCCGCCGGTGTCGCCATCGCGCTCGATCGCATGGAAAAAGGCACGGGTGAATT GAGCGCGGTTCAGGAAGTGGAAAAACAATACGGTCTGCCCGTCGCCCCCATCGCCAGCCT GAACGATTTGTTTATTCTGTTGCAAAACAACCCCGAATTCGGACAGTTCCTCGAACCCGT CCGAGCCTACCGTCGGCAGTACGGCGTAGAATAAAAACAAAGCATATGCCGTCCGAACCG CCTTACGCCTCAGACGGCATCAAACCTGACACACGAGGAAATACCATGCCCGCCTGTT TCTGCCCCCACTGCAAAACCCGTCTCTGGGTCAAAGAAACCCAACTCAATGTCGCCCAAG GCTTCGTCGTCTGCCAAAAATGCGAAGGACTGTTTAAAGCCAAAGACCATCTGGCAAGCA CGAAAGAACCCATATTCAACGATTTGCCCGAGGCTGTTTCGGATGTCAAACTCGTTCACC GTATCGGCACGCGCCATCGGCAAGAAACAGATTTCCCGTGACGAAATCGCCGGCATCC TCAACGGCGGTACAACCCAGCCCGATATTCCGCCCGCAACCGCCGCCACCCCTGCTGCCG CACCGCAGGTTACCGTACCGCCCGCCGCCCCGCCCGTCAGGATGGGTTCAACTGGACGA TTGCAACCCTGTTTGCCCTTATCGTCCTCATTATGCAGCTTTCCTACCTCGTCATCCTAT GAGCGCCCGACCTCTTTGTCGCCCACTTCCGCGAAGCCGTCCCCTACATCCGCCAAAT

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GGTTTGGTACTGGCGGTAGATGGCGGCGGTGTTCATGATTGGATAGGAACGAGTTGTCTA ACAAATGAATTA.AATAGGAATTATTACCAATAATCAAGCGCAGGGATTGGTTGAAACGGA AAAGGTCGTCTGAAAGGGTGTTTCAGACGACCTTTTCCGTATCGGGAATTTGTTTTGCCG TATCGGGAATTTTGCGTTTTTGCGGCGTGGTTTCTGCAGGTTGTTTGCTTAATAATAAACA TTCTTATTCGTATGCAAAGGAACCGCACACCGTGAAACCGCGTTTTTATTGGGCAGCCTG CGCCGTCCTGCTGACCGCCTGTTCGCCCGAACCTGCCGCCGAAAAAACTGTATCCGCCGC ATCCGCATCTGC CGCCACGCTGACCGTGCCGACCGCGCGGGGGGGATGCCGTTGTGCCGAA GAATCCCGAACGCGTCGCCGTGTACGACTGGGCGGCGTTGGATACGCTGACCGAATTGGG CGTGAATGTGGGCGCAACCACCGCGCGCGGTGCGCGTGGATTATTTGCAGCCTGCATTTGA CAAGGCGGCAAC GGTGGGGACGCTGTTCGAGCCCGATTACGAAGCCCTGCACCGCTACAA TCCTCAGCTTGT CATTACCGGCGGGCCGGGCGCGGAAGCGTATGAACAGTTAGCGAAAAA CGCGACCACCATAGATCTGACGGTGGACAACGGCAATATCCGCACCAGCGGCGAAAAGCA GATGGAGACCTT GGCGCGGATTTTCGGCAAGGAAGCGCGCGCGCGCGGAATTGAAGGCGCA GATTGACGCGCTGTTCGCCCAAACGCGCGAAGCCGCCAAAGGCAAAGGACGCGGGCTGGT GCTGTCGGTTACGGGCAACAAGGTGTCCGCCTTCGGCACGCAGTCGCGGTTGGCAAGTTG GATACACGGCGA CATCGGCCTACCGCCTGTAGACGAATCTTTACGCAACGAGGGGCACGG GCAGCCTGTTTCCTTCGAATACATCAAAGAGAAAAACCCCGATTGGATTTTCATCATCGA CCGTACCGCCGCCATCGGGCAGGAAGGGCCGGCGGCTGTCGAAGTATTGGATAACGCGCT CATTGTCGCGGGCGCGCGCGCGCGTTGATTCAGGCGGCGGAGCAGTTGAAGGCGGCGTT TAAAAAGGCAGAACCCGTTGCGGCGGGGAAAAAGTAGGGAGTCGTCTGAAAACGGAGCTT CCGAAGGAAGCGGGGGTTTCTGCGAAGCTAAAGTGCGGTTTCAACGAATTGAAAAGCAG CCTGTATGTTGAAAATACCGCTCAAGCAAACCTACGGTTTGCCGCCCTCTCCCTAGCCCT CTCCCACAGGGA GAGGGGATTGGGTTGCAGGCTGCCTTTAAGGTTTAGGCAAATTTTTAA CTTCGTTGAAGCTGCGATTTCAGAAGCTCCGTTTTAGCTTCGCAGAAACTCCGCTTCCTT CGAAAGCTCCGTTTTCAGACGACCTTTTGGAGTACCGCAGGCACACGCATCGAACGGCTG AATCAAAGATTCAGACCGATGGCAGTCCGCACCCGAGTTTATGCGGCAAACAGCGAGGCT ACGGCAACCCGCCCCTCTCCCTGTGGGAGAGGGTTAGGGAGAGGGCGGTAAGCCGCAGG CTTACATCAAAGCCGATAACGCTTCCGTTACAACTCCGCCCACTGAAAGCAGCCTGCAAC GAAGCCAAAACGACAAACCGCATCGTAAACCACCCAACCCATAGGAGAACCCCATGCAAA ACGAAACCATCAACCTGAAACAGCACCTTGCCGCCATCAAAGAATACTGGCAGCCCGAAA TCATCAACCGCCACGGGTTCCAATTCCACTTGGTCAAACTTTTGGGCGATTACGGCTGGC ATACGCACGGATACAGCGACAAAGTGCTGTTTGCCGTGGAGGGCGACATGGCGGTGGACT TCGCCGACGGCGCAGCATGACGATACGCGAGGGCGAGATGGCGGTCGTGCCGAAGTCGG TGTCGCACCGCCCGCGTTCGGAAAACGGCTGCTCGTTGGTGCTGATTGAGTTGTCCGACC CGTCCGAGGCCGTCTGAAAACGAAGTTTCCGAAGGAAGCTGAGTTTCTGCGAAGCTAAAA GCAGCCTGCACCTTCAATCAATATGCCGAAAATACAACCCCACCGCACACCAACACACAA AGGAAATCCCATGACACGCTTCAAATATTCCCTGCTGTTTGCCGCCCTGTTGCCCGTGTA CGCGCAGGCCGATGTTTCTGTTTCAGACGACCCCAAACCGCAGGAAAGCACTGAATTGCC GACCATCACCGTTACCGCCGACCGCACCGCGAGTTCCAACGACGGCTACACTGTTTCCGG CACGCACACCCGCTCGGGCTGCCCATGACCCTGCGCGAAATCCCGCAGAGCGTCAGCGT CATCACATCGCAACAAATGCGCGACCAAAACATCAAAACGCTCGACCGCGCCCTGTTGCA GGCGACCGGCACCAGCCGCCAGATTTACGGCTCCGACCGCGCGGGCTACAACTACCTGTT CGCGCGCGCAGCCGCATCGCCAACTACCAAATCAACGGCATCCCCGTTGCCGACGCGCT GGCCGATACGGGCAATGCCAACACCGCCGCCTATGAGCGCGTAGAAGTCGTGCGCGGGGT GGCGGGGCTGCTGGACGGCACGGGCGAGCCTTCCGCCACCGTCAATCTGGTGCGCAAACG CCTGACCCGCAAGCCATTGTTTGAAGTCCGCGCCGAAGCGGGCAACCGCAAACATTTCGG TTCCACCTTCGGACGCGGCGACTCGTGGCGGCGCGCGAACGCAGCCGCGATGCCGAACT CTACGGCATTTTGGAATACGACATCGCACCGCAAACCCGCGTCCACGCAGGCATGGACTA CCAGCAGGCGAAAGAAACCGCCGACGCCGCCCGCTCAGCTACGCCGTGTACGACAGCCAAGG TTATGCCACCGCCTTCGGCCCGAAAGACAACCCCGCCACAAATTGGGCGAACAGCCGCCA CCGTGCGCTCAACCTGTTCGCCGGCATCGAACACCGCTTCAACCAAGACTGGAAACTCAA AGCCGAATACGACTACACCCGCAGCCGCTTCCGCCAGCCCTACGGCGTAGCAGGCGTGCT TTCCATCGACCACAACACCGCCGCCACCGACCTGATTCCCGGTTATTGGCACGCCGACCC GCGCACCCACAGCGCCAGCGTGTCATTGATCGGCAAATACCGCCTGTTCGGCCGCGAACA CGATTTAATCGCGGGTATCAACGGTTACAAATACGCCAGCAACAAATACGGCGAACGCAG CATCATCCCCAACGCCATCCCCAACGCCTACGAATTTTCCCGCACGGGTGCCTACCCGCA GCCTGCATCGTTTGCCCAAACCATCCCGCAATACGGCACCAGGCGGCAAATCGGCGGCTA TCTCGCCACCCGTTTCCGCGCCGCCGACAACCTTTCGCTGATTTTGGGCGGACGATACAC CCGTTACCGCACCGGCAGCTACGACAGCCGCACACAAGGCATGACCTATGTGTCCGCCAA CCGTTTCACCCCCTACACAGGCATCGTGTTCGACCTGACCGGCAACCTGTCTCTTTACGG CTCGTACAGCAGCCTGTTCGTCCCGCAATCGCAAAAAGACGAACACGGCAGCTACCTGAA ACCCGTAACCGGCAACAATCTGGAAGCCGGCATCAAAGGCGAATGGCTTGAAGGCCGTCT GAACGCATCCGCCGCGTGTACCGCGCCCGTAAAAACAACCTCGCCACCGCAGCAGGACG CGACCCGAGCGCAACACCTACTACCGCGCCGCCAACCAAGCCAAAACCCACGGCTGGGA CAAAACCCGCGACCAAGACGGCAGCCGCCTGAACCCCGACAGCGTACCCGAACGCAGCTT CAAACTCTTCACTGCCTACCACTTTGCCCCCGAAGCCCCCAGCGGCTGGACCATCGGCGC AGGCGTGCGCTGGCAGAGCGAAACCCACACCGACCCTGCCACGCTCCGCATCCCCAACCC CGCCGCCAAAGCCCGCCGCCGACAACAGCCGCCAAAAAGCCTACGCCGTCGCCGACAT CATGGCGCGTTACCGCTTCAATCCGCGCGCGCAACTGTCGCTGAACGTGGACAATCTGTT CAACAAACACTACCGCACCCAGCCGGACCGCCACAGCTACGGCGCACTGCGGACAGTGAA CGCGGCGTTTACCTATCGGTTTAAATAAGGTCGTCTGAAAACGGAGTTTCTGCGAAGCTA

TAGTGGATTAACAAAAACCAGTACGGTGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCT

CTAAGGTGCTCAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCG TCGCCTTGTCCTGATTTTTGTTAATCCACTATAAAAGCAGCCTGCACATTGAAAATGCCG CCCAAGCAAACTTTCAGTTTGCCCGCCTCGTCCTAGCCCTCTCCCACGGGAGAGGGGGATT GGGGTGCAGGCT GCCTTTAAGGTTCAGGCAAATTTTAACTTCGTTGATACCGCGCTTTAG CTTCGCAGAAGCTGCACTTTCAGACGACCTTTTGGAACACCACAGGTACACGCATTTAAG GAATGCCGTCTGAAATGCCTGCCTCAATAACGCATCATGTTGCCGTCAATCTCGGCCGCC CATGCATCGATGCCGCCCTGAAGGTTGTACAGGTTTTCAAAACCCGCGTCCGCCAAATAC ATCGCCGTATGC AGGCTGCGGATACCGTGGTGGCAATACACCACAAGCGGCACATCATCC GGCAGCTCGTTCTGCCGCAGCGGAATCAGATTCATCGGGATATGCAGCGCATTTGGCAGC TCCATCCACGCTTTCAATTCCGCGGGCCCAAGTTGCACAATATCCATCGCACCCCCCAAA AAAAACCAAGCAAAATGCCGTCTGAAGCCCCAAACCCGCTTTCAGACGGCATGACCTGTC AACATCTTAAAAATCGAAACCGCCAAACGGATCGCCATCCTTATCATCCAAATGCGCCAC CAAGGTATCGAACAGCACCTTCTCTCAAACACATCGCCCCTGCGCGTAATCAAAAGCGC GCGTTGAACAGGCTTGCGACCTACGATAACCACCATGCGTCCGCCATCTTTCAACTGTTC TTTCAACACTTCAGGCACAAGGTTTACCGCACCGCCGACATAAACCGCATCAAACGGCGC ACCTGCGGAAAGTTCGGTCAACCCGTTGTTTTGCACATAATCGATATTGTCCAAACCCAA 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CCACTAAACTTCACGTTGCACCGCGCCACACGCGGCAGACAAAAAAACACGACACGGAGC AAAAAAGATGTATCGCCAAATCGGAATGTGGGATCAAAAATGGGTCATCGGCAACTGGAA AATGAACGGCCGGCTCCAAAACAACAACGCACTGATGCACCGCTTCCGCATCCACCCCAC CGCCGAACGCGTCCTCATCGGACTCGCCGCCCCGACCGTTTACCTGCTGCAACTGCACAA CGCCATGCAAATCGTTTTAAACAACCGCATCCTCACCTGCGCCCAAGACGTGAGCCGCTT CCCCAATAACGGCGCGTACACCGGCGAAGTGTCCGCCGAAATGCTCGCCGACACCGGCAC CCAACGCCGCAAAATGGAAAACGTCCTCAACGTCGGACTCATCCCGTTATTGTGCGTCGG CGAAAGCCTCGAAGAGCGGGAAGCCGGCAAAGAACACGAAGTCATCGCCCCATCAGCTTTC CATCCTGCAAGGGCTGGATACCAAAAACATCGCCGTCGCCTACGAACCCGTCTGGGCGAT CGGCACCGGCAAAGTCGCCACCGTCGAACAGATTGCCGATATGCACGCATTCATCTACAA AGAAATCTTGTCTTTGTGCGGAAGCGATGTTAAAATCCGCGTCCTTTACGGCGGAAGTGT GAAAGCGGACAACGCGGCCGACATCTTCGCAGTACCTTATGTGGACGGCGCACTCGTCGG CGGCGCGTCATTGTCGTACGACTCCTTTACCGCCATCATCAGTGCCGCACAAAATGCGTA CGTCATCGTGTTAGTATTGCTCCAACACGGCAAAGGCGCGGATGCCGGCGCGACTTTCGG ATCGGGAAGCGGCAGCGCCAAGGCGTATTCGGCTCTGCCGGCAACGCTAACTTCCTCAG CCGCTCGACCGCCGTTGCAGCAACATTTTTCTTTGCAACCTGCATGGCTATGGTGTATAT TCACACCCACACGACAAAACACGGTTTGGACTTCAGCAACGTACAACAAACTCAGCAAGC ACCCAAACCCGTAAGCAATACCGAACCTTCTGCCCCTGTTCCTCAGCAGCAGAAATAACA GTTTTCAAATGCCGACATGGTGAAATTGGTAGACACGCTATCTTGAGGGGGTAGTGGCC GTAGGCTGTGCGAGTTCAAATCTCGCTGTCGGCACCAACACACAAAAAACGCCTGAAAAATT TTTCAGGCTGATTGTTATCCTGCCGTCCCCCTTCCTGACAGTGCAATCCCGTCCAATCCG CCCTAATTGAAGTAACCTAAAATTTACGGTATCTTTTGCGGTATCTGAAAAATACCTCGA AAAAATACCGCAAAAATAAAGCTGAACGACCGCCAAATCAGGAATGCCAAGCGGAAAAGA GCTTGCGGGGAATACTGCCAAGACGTAGGGAACAAGGGGGAAACCGTCCAAGATGCAGGG CGGTTTTTTTTGGGTTTTTGGAAAAACCTATACTAGGAAGCGATACCCTTAGTTGTTAC CTTGTTACCGGGGAAAAGTTAGATAAATAAGCATATGAAATATAGTGAATTAAATTTAAA TCAGGACAAGGCGGCGAGCCGCAGACAGTACAAATAGTACGGCAAGGCGAGCCAACGCTG TACCGGTTTAAATTTAATTCACTATAAAATAAGAAAAAGATAAAAAATTGGTAACAAATG CGGTAACAAATGGTAACGAATCGGTAACAACTTTTGGGGTTTTCCGGTTTTTCACCGTCT TGGCAGTGGGAGCGTAGCGGAATGAAAAGCCAAAACGCACGGAACCGCGCCTATTTTGAG CAGGAATGGCGGTTAAACCGCTTGGTTATATACGGGGAATAGGAAGACAGCGAAACGCGC AGTGTTTCAGGCGGCATAAACGGAGAAATTGCGGGGCATAAAAAAGGCAGCTTGCCGTGT TGTCTGTCTCTGGTATAATTCCAAGTATCACTAATCAACGGCTACACAATGCGGATATTC AAAAACCAATGGATAGTGAAATTTGCCAAGAAGCACAAAATCAACGATTCCGAGCTGCTG GAAGCGGTAGAGCGGGCGGATAACGGGCTGATAGACGCAGATTTAGGCGGCGGTGTGATT AAGCAGCGCATAGCAAGGCAAGGACAAGGCAGAAGCGGCGGTTATCGCAGTCTGATACTG TTCAAACAGGCAGACAAGGCATTTTTTGTTTACGCCTTTGCCAAGAACGACAGGGAAAAC ATTTCGGATAAAGAACTTGACGTTTACCGAAAAGCCGCCGCATATTATCTGAAATACACG CGGGCAGAGCTGGCGGCTTTGAAAGAAGACGGCATTATCACGGAGATAGAATCATGAAAT ACAAAAACGAGGCATTAGCCGCCATTCATGAAATGATGGAAGGGGCTTACAACATCGGCG TGAGCGGCGGAGACATCAAGGCAATCAGGGAGAAGGAGGCACTATCGCAAGCCGCTTTCG CCATCTAT CTC A A CGTGGGAAAAAATCA CGTTTCGGCTTGGGAGCGGGGCGTTAAAAAGC CGAGCGGCGCGCGTTGAAGCTGCTGACCATCGTCAAAAACAAGGGCATCGAAGCCATTG CGTAGCCGACTTGGCAAACGGCAAAATCAGCAAGTTCACAATAGACGCGCTGCTGAATAT GCCTGCCAAGACAGGCAAGACCGCCGAACTGAATATCAGGGCGTAGCCGCATAAATGCCC GACCGCATCAAACCAAGCCGAAACGGCGGCGGCGGTGCAGACGACATAGCCCGACAGCAAGGC ACGGCGCAGACGGGGGGAAACCCGAAACATCACCGACCGCGAGGTACGGGGATTTTTTG CGCCCGTTGCAGGGGGGATTGGATTTAAGCGGCGGGGCTTGAAGGCAAAACGGGTGGG GCACAGAACTGTTTAAATGCAGTCTGAATCTCAAACGATTTCAGACGGCATTTTGAAACA ATGGCTCAAATT CTCGATCCCCTTCCCTTAACGCCGACGTTTTTTATTAACGCGCCCCTT ATTTCTGACACTTTGCTCATAAACCGGCATAACGGTCGGCAACAACCGTTTTAGATTTTC CGCCATCAACAT CATTCCCCCCTCATCGGCTTCTTCTTCCAAGCTGCGGCTATAAGGCAA GGTAAGACCGTACGTCCCCAAAATATCCATACCCAATCCGACCAATTCCGGATTAGTATC CGGTTTTTTGTCTAATATAATCTGCGTGCCTATCTGCGCCGCCGTATTGGTCAAGATTTG GGCGGCAATTTCGTCATCGGTCAGCTTGAGTTTGTCGACTATCCCCGTATAAAACGCCAT TTTTCCACCGGGCATTGCCCACGCGTTCAGCTCATCGTTTTTGAAAACCGTCATTTTCCA GTCAAACTTATGGCTGGTATTATTTGCCGCATCGGCATAAGGCAGCATACGTCGAAATAC TGCCTGCACCCTGCGGGCTGTTCTGGATGTGGTATCGACATTGCCGGCAGACTTGTTTAA CTCAACCGTTTTCATATATCTTTGGCAGCCGCAGCGTTCATTGTGGCGGAATCATGACC GTAAACATCAGCAACGACCGCACAAGCCCCCAATACCGAGATTACTGCCGACAGGCAGAG TATCCGTTTAAAGGAAGGAAGGAAGTTTCATATTTAGGTTTACTCCTTAAAAAATT **AAATTTCAAAAAAATGCCGTCTGAATCCAAAACGGATTTCGGACGGCATCTTAACATTGT** TTAATGTTTTTAAAAAGATTTACACCACGATGTTCTCCAGTCTGCCCGGTACGGCGATGA TTTTCTTGGCAGGCTTGCCTTCTATGAATTTCACCGCGCCTTCAGCGGCGTATTCGGCAG CTTCTTCAGCCGGTTTGTCGAAATCACGCATAAATTGCCAATAATTCTCCAACTTTTTTA CGGCTGCTGCCTTTTGCGGCAATATTGCGCTGAACTTCAACTGTTTTCAAAATGGCA GAAGAATAAATA TCCCTTGTGAATTCAGTATCATGATTTGAAATCAAAATACCTTGGGAG TTGGGCGCAATTTATTGATTTTTTGTAAAGTCCGCGACCAATGAATTCGATCGTATTTTG GTCGCGCAGAATTTGCAACTGTTGGCGGATTTTGTCTCTGATATGGTTGTTTTGGGGAAA TTGGATGGATAGTTTGTTTTCAAATTCATACATTTGCGACAATGTGAATTCTTCGGGGAG TTGGTCGATACATTTCATAACAGCCAGAAGCCAGCCTTTGCGCTCCGCATTTTGGTTGCG TAAAAACAAATTGGATTGCCATTTTTTCAGAACGGTTTCGGGTTCGATAATGCGGGAATT GTCTATTAAGAATATTTTGCCGCTTTCAGGCAAAGGGGCGAGATTGATAGAACACATAAT GTGGTTCGGCCGGTTTTTAATGCCTTTATTTCTGGGAATAATCATATCCGGCGTGATGAA **ATGTTTGGGTACAAGCACCAATTGCCGTATGGAGTAATCCGCTTTTTTATATGCAAGAAA** GAAAAAGTTGGGGTTGGTATCTGACCGGATGCGCTCCAACATGGTGTGATATGCACCGTC **AGGCACGCTGTTGCCTATGGTTTTTTGATTTTACTCTTTAATTCATATTGCTCGTGGCA** ATTTGGGCAAAAGAGGTCTGCAACAGGTTTGTTATTGGCAAATCTCTGCATCGGCTTGCT TCCGCAACAGGGGCAGTAGCCGTTTTTTTCCAACCAAGCCTCGCTCATTACACGGATTTT GATTTTGAGATTTCAGTTATTCGGGGTTCGTCATGCAGACAACACAATCCACCTTAAAAA GGCCGTCTGAAACCCTGTTTCCAAGTTTCAGACGGCCTTTATCCGTGTGGCTAAACCTTA AAAGCGGTTAGACGACGATGTTCACCAGTCTGCCCGGTACGACGATGATTTTCTTCGCCG GTTTGCCTTCCATGAATTTCACCGCGCCTTCGGTGGCGAGTGCGGCGGCTTCGAGGTCGG CTTTGGATGCGTCGGCGCAACAGTGATTTTGCCGCGCAGTTTGCCGTTGACTTGAACCA TCACTTCGATTTCGGATTTGACCAAGGCGGCTTCGTCGACTGTCGGCCAGCCTGCTTCCC ACAGTTTCGCGCCGTTCAATTCGCTCCACAGGGTTTCGCAGATGTGCGGCACGATGGGCC ACAACAGGCGTACGGCGGTTTCCAATACTTCTTGGGCGACGGCGCGTCCTTGTTCGCCGC CGGTGTCGGTTTTGTCGTATTGGTTGAGCAATTCCATCACGGCGCGATGGCGGTGTTGA ACTGCTGGCGGCGGCCGTAGTCGTCGCTGACTTTGGCAGTGGTCGCGTGCAGTTTGTGGC CGCCTTGCTTCAAGTATTCGTAAACGGTACGCCACAGGCGGCGCAGGAAGCGGTGTGCGC CTTCGACGCCGCTGTCGCTCCATTCGAGGGACTGTTCGGGCGGTGCGGCGAACATCATAA ACAGGCGGGGGTGTCCGCGCCGTAGGCGTTAATCAGTTCTTGCGGATCGACGCCGTTGT TTTTGGACTTGGACATTTTTTCCGTGCCGCTGATGACGACGGGCAGCCCGTCGGCTTTGA GGACGGCGAAATGGGGCGGCCTTTGTCGTCGAACGTCAGCTCGACATCGGCGGGGTTGA TCCAATCTTTGCCGCCTTTGTCGTTTTCGCGGTAGTAGGTTTCGCAAACGACCATGCCTT GCGTCAGCAGGCGTTCAAACGGTTCGTCAACATTGACTAGACCTTCGTCGCGCATCAGTT TGGTGAAGAACGCGCGTACAAGAGGTGCAAAATCGCGTGTTCGATGCCGCCGATGTATT GGTCGACCGCGCCCCAGTATTTCGCGGCGGCAGGATCGACCATGCCGTCTGAAAATTTTG GCGACATGTAGCGGAAGAAATACCAGCTCGATTCCATGAAGGTGTCCATGGTGTCGGTTT CGCGTTTCGCCGCGCCGCAGCATGGGCAGCAGTTTCGTAAAACTCGGGCATTTTTG CCAGCGGCGAACCCATGCCGTCGGGTACGACGTTTTCAGGCAAAACGACCGGCAATTGGT CGGCAGGGACGGTACGTCGCCGCATTGTTCGCAATGGACGATGGGAATCGGGCAGCCCC AGTAGCGTTGGCGCGAAATGCCCCAGTCGCGCAGGCGGTATTGGGTTTTCGGTTCGCCCG CGCCTTGGCTTTGCAGCTTGGCGGCGACGGCGTCGAATGCCGTCTGAAAATCGAAGCCGT CCAAGTCGCCGCTGTTGACCAATACGCCGTTTTCTTTGTCGCCGTACCATTCTTGCCATT

GGTTTTCGTCAAATGCGTTGTCGCCGACGGCAATGACTTGTTTTTTCGGCAGATTGTATT TGGTGGCGAACTCAAAATCGCGTTCGTCGTGCGCCGGAACCGCCATCACCGCGCCGTCGC CGTAGCCCCACAATACATAGTTGGCAATCCACACTTCCAGCTTGTCGCCGTTGAGCGGGT TGACGACGTAGCGGCCGGTCGGCACGCCTTTTTTCTCCATCGTCGCCATATCGGCTTCGG CAACCGAACCGGCTTTGCATTCGGCAATAAATGCCTGCAATTCGGGTTTGTCGGCGGCTG CGGCGGCTGCCAGCGGATGCTCGGCGGCAACGGCAACATAAGTCGCACCCATCAGCGTGT CGGGGCGGGTGGTATAAACTTGCAGGAATTTCGCGTAATCGCCTTCCAAGCCTTGTTTGC TGTCGTCTGAAACGGCGAAGCGCACGGTCATACCGCGCGATTTGCCGATCCAGTTGCGCT GCATGGTTTTGACTTGTTCCGGCCAGTGTTCCAGCTTGTCCAAGTCGTTGAGCAGCTCTT CGGCGTAATCCGTGATTTTGAAGTAATACATCGGGATTTCGCGTTTTTCGATCAATGCGC CGGAACGCCAGCCGCGTCCGTCGATGACTTGCTCGTTGGCAAGGACGGTTTGGTCGACAG GGTCCCAGTTTACCGTGCCGTTTTTGCGATAAACGATGCCTTTTTCAAACAGCTTGGTAA ACAGCCATTGTTCCCAGCGGTAGTATTCGGGTTTGCAGGTTGCGGTTTCGCGCGCCCAGT CAATCGCAAAACCTAGGCTTTTGAGCTGGGTTTTCATGTATTCGATGTTATCGTACGTCC AAGCGGCAGGGGCGACGTTGTTTTCATCGCCGCGTTTTCCGCCGGCATGCCGAACGCGT CCCAACCCATAGGCTGCATGACGTTGAAGCCGTTTAAAAGTTTGAAGCGGCTCAATACAT CGCCGATGGTGTAGTTGCGCACATGCCCCATGTGCAGCTTGCCGCTGGGATAGGGGAACA TGGAGAGGCAATAATATTTGGGTTTGGAAGCGTCTTCGGAGACGTTGAAAATACGGGCGT CGTCCCATTTTTTCTGCGCCGCAGGCTCAATGGCGGCGGGCCGGTATTGTTCTTGCATAG TCATTCTGTTTTCGCTTAAAAACGTTGGAAAAATAAAGTCGGCATCAATTATAACAGGTT GCCGGAAGCGGCGAATCGGCAGATTGCCGGCAGGATGCGTAAATTCGCACGCGCATTATT CCGTATGCCGTACAAATACACCGCGTTTATTGATACGCACGTTTTTTATGCTAATATTAC **AAACCAAAATCAAATGTTTAAAACTCTCCTGATGCGGCTCTTCCGAACAAAAGGCAGACG** GCAGTATTGGCGGCGGGCGTTCTGTCTGCCTGCGCAACCAAAAGCAACGTCAAAGCCGAC GGCACGACCGACAATCCGGTTTTCCCGAAACCCTATTCCGTAACGCTCGACAACAAGCGC GGCACATTCCCGACTTATGACGAACTGGATCAGATGCGCCCCGGCCTGACCAAAGACGAC ATCTACAAAATCCTGGGCCGCCCGCATTACGACGAAAGTATGTACGGCGTGCGCGAATGG GATTACCTGTTCCACTTCCATACCCCGGGCGTAGGTATCGACCCTGAAAACACTTCCGGC GTAGAAGATGTTACTACCTGCCAATACAAAGTGATTTTCGATAAAGACAAATTTGCCCGC GCCGAGCCGCAAGTCATCATCCGCGAAATCGTGCCGGCAAAACCGAAACGTATCCGCCAA TAATCCGACATGCCGTTCCGCCTGTTTTTAGGGATATTATGCGGCCTGTCAATGGTTGCC CCCGTATATGCACAGGGGCAGCCGGATACGGTCGGCGACTTTATCCAAAAGAAAAAAGTC ATCGTCGATACATCCAAAGCGGAACTCTGTTTCGCTGACGACCGTCAGTGCCACCCCGTC CTCATCGGTGTTGCCACGCCCAAGGGGACGTTCGGGCTGACGCTGAACAGTACCGACAAG CCCGGATACGGCGGCGAAGTCATCGGTTTCAAGCAGGAGGGTGATTTTCTTTTCGCCCTG GTGTCCGACAGGATTATGACCAACGGCTGCATCAACGTCAGCGATGCGGTGTACGAAAAA CTGCGTCATTATTTTGTGTTGGAAGTGATTTGAAACAGACGGATACCGCACGCGCCGGTA TCTGTTTTCACATTGCCCCGATGCCTGAAACAGACTGTCCGCCACGTCATGCCGTCTGAA AACCATCTTTGGGAGAACCTTATGCCCGAACAAAACCGCATCCTCTGCCGCGAACTGAGC TTGCTGGCATTCAACCGCCGCGTGTTGGCGCAGGCGGAAGACCAAAACGTCCCCCTTTTG GAACGCCTGCGCTTCCTGTGCATCGTTTCATCCAACCTCGACGAGTTTTTCGAAGTCCGT ATGGCGTGGCTGAAGCGCGAACACAAACGCTGCCCGCAGCGCAGGCTGGACAACGGCAAA ATGCCGTCTGAAACCATCGCCGACGTTACCGAAGCGGCGCGCTCCCTGATACGGCACCAG TACGACCTGTTCAACAACGTCCTTCAGCCCGAGCTGGCACAAGAAGGCATCCATTTTTAC CGCCGCCGAAATTGGACAGACACACAGAAAAAATGGATTGAAGACTATTTCGACCGCGAA TTGCTGCCGATCCTGACCCCCATCGGACTCGACCCTTCCCACCCCTTCCCGCGCCCCGCTG AACAAATCGCTCAACTTCGCCGTCGAACTCGACGGCACAGACGCGTTCGGCAGGCCTTCG GGGATGGCGATTGTGCAGGCACCACGCATCCTGCCGCGCGTTGTTCCCCTGCCGTCCGAA CTGTGTGGCGGCGGACACGGCTTCGTCTTCCTCCTCCATCCTGCACGCCCACGTCGGA AAACTCTTCCCGGGCATGAACGTCAAAGGCTGCCACCAGTTCCGCCTGACGCGCGACAGC GACTTGACCGTTGACGAAGAAGACCTGCAAAACCTCCGCGCCGCCATTCAAAACGAGTTG CACGACCGCGAATACGGCGACGGCGTGCGGCTCGAAGTCGCCGACACCTGTCCCGCCTAC ATCCGCGACTTTCTGCTCGCGCAATTCAAACTGACCGCCGCCGAACTCTATCAGGTCAAA GGCCCGGTCAACCTCGTGCGCCTCAACGCCGTCCCCGACCTAGTCAACCGCCCCGATTTG AAATTTCCCACACACCCCGGGCAGACTGAAAGCCTTGGGCAAAACCGCGTCCATATTC GATTTGGTGCGCCAATCGCCCATCCTGCTGCACCACCCCTACCAATCGTTCGACCCCGTT GTCGAAATGATGCGCGAAGCCGCCGCCGACCCCGCCGTGCTTGCCGTCAAAATGACGATT TACCGCACCGGCACGCGTTCCGAACTCGTCCGCGCCCTGATGAAGGCGGCACTCGCCGGC AAACAAGTAACCGTCGTCGAACTGATGGCGCGTTTTGACGAAGCCAACAACGTCAAC TGGGCGAAGCAGCTCGAAGAGGCGGGCGCGCGCGTCGTCTACGGCGTGTTCGGCTACAAA GTCCACGCCAAAATGGCACTGGTCATCCGCCGCGAAGACGGCGTGCTCAAACGTTACGCC CATCTCGGCACGGGCAACTACCACCAAGGCACATCGCGCATCTACACCGACTTCGGCCTC ATTACCGCCGACGAACAATCACCGCCGATGTGAACATATTGTTTATGGAAATCACAGGT TTGGGCAAACCCGGGCGGCTGAACAAACTCTACCAAAGTCCGTTTACCCTGCACAAAATG GTTATCGACCGCATCGCACGCGAAACCGGACACGCAAAAGCCGGCAAACCGGCGCGGATT ACCGCCAAGATGAATTCGCTCATCGAACCGACCGTCATCGAAGCCCTGTATCGGGCAAGC GCGGCAGGCGTACAAATCGATTTGATTGTGCGCGGTATGTGCACCTTGCGCCCGGGTGTA CGCGTGTATTACTTCCATAACAACGGCACGGACGATACCTTTATCTCCAGCGCGGATTGG ATGGGGCGCAACTTCTTCCGCCGCATCGAAACCGCCACGCCGATTACCGCGCCCGAACTC AAAAAGCGCGTTATACATGAAGGACTGACCATGGCACTGGACGACAACACCCCACGCGTGG CTGATGCAGCCCGACGGCGGCTATATCCGCGCCGCACCTGCCGAGGCGAATCCGAAGCC GACCTGCAAAACGATTTGTGGACACTGCTCGGAGGCTGACCCGCACCGCCCCAATCAAAA ACCATGCCGTCTGAAACCTTTCCGTTTCAGACGGCATGGTTTTACAGCAATCTAAACAGG GCGGACCGGAGTCAAAAACACCTTCGCCATTCCTGCACAAGCACTTCCCCTATACGCT CCCAACCCCAAGCCGCCGCATTCCAGACGGCATTATAGTGGATTAAATTTTAGGGGCTGT ACTAGATTAGCAGATATGTTACCCTCGAAATATGAAGATAACGCACTGCAAATTAAAGAA AAAAGTACAGAAAGAACTGCTCCGTTTTTTGTGCTGGAAGTTACCGCCCGTTCTGCCGCC GATATTTTGGGTATCCATCCCAATTCGGCAGCACTGTTCTACCGTAAAATCCGCACGGTT ATCAACCATCATTTAGCCTTGGCTGCCGATGAGGTTTTTGAGGGCCCTGTCGAGCCGGAC GAAAGCGATTTCGGCGGACGGCGTAAAGGCAGACGTGGTCGCGGTGCGGCAGGAAAAGTG GTTGTCTTCGGCATTCTGAAACGCAACGGACGGGGCTATACCGTTGTCGTAGATAATGCC AAGTCTGAAACGTTACTCCCTGTCATCAAGAAGAAAATCATGCCGGACAGCATTGTTTAT ACCGATAGTCTGAGCAGCTGCGACAAGTTGGACGTGAGCGGTTTTATCCATTACCGCATC AACCATTCCAAGGAGTTTGCAGACCGTCAGAACCACATTAACGGCATTGAGAATTTTTGG **AATCAGGCAAAACGCGTCTTGCGAAAATTATAGTGGATTAACAAAAATCAGGACAAGGCG** ACGAAGCCGCAGACAGTACAAATAGTACGAAACCGATTCACTTGGTGCTTCAGCACCTTA GAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTCATCCACT ATACCTTTCCGACAGCCGAACAAAACCCCGAATCCGTCTGCACGGTTCGGGGTATATCTC CAATACGGGCATCGTGTTCCGGAAAACCGTCAAATCCGCATCGCCATCACAATATATTTG AAATTCGGATTGTTCGGCACGGTAAACAGCGTCGAGCGGTTGGCATCGCCGAAGGCAAGC TGCATATCGTCGGAATGGATGTTGCGCAACACGTCCATCAGATAGCCGATATTGAAACCG TTGTTGCTGCACACACGCTCAACAGGCCGGGTTGCAAAAACAATCGCGCACCGCGGAAT TTTTCATTGGCAAGAATCGATGCACGTTCCAACGCGCCCAACAATTCTGCCCTCGACAAC ACGAAAATCTTGTCGTTGTCCAAAGGAATCACGCGGTTGAAATCGGGGAATTTGCCGTCG ATGACCTTGCTGACGATGGTCGTGCCGTTGCATTGGAAACGCACCTGTTTGTCCAGCAGC TCGATTTGAATCGGATCGTCGGGGTTGTTCAACAGTTTGAACAGTTCCAGCACCGTTTTG CGCGGCAAAATCACTTCGGCGCGCGGCAAATCCGCATCAATCGCGCAGGCTGCATAGGCA AGGCGGTGTCCGTCGCTCGCCACAGGCGCAACTGGCTGCCCTCAACCTGCATCAGCAGA CCGTTGAGATAATAGCGGATGTCCTGCACCGCCATGCTGTACTGCACTTGCGACAGCATG GTTTTGAAACGCTCCTGCTCCAGCGAGAAAGTCGCGCTGATGTCCTCGCCGACATTCATC ATCGGAAAATCGGCGGCAGGCAGGGTCTGCAGGGCAAAACGCGATTTGCCCGCCTTCAGC ATATCCTGAAATTTCTTGGCATTGGTGGTGATGCGGAAGTCGCCCGCGCCCCCCCGGGA CCCGCAGTGTCGATTTGGATTTCCAAATCGGTTGCCAAGAGTTTGGTCTGACCGCCTTTT CCCTCAATCAGGACGTTGGACAGGATGGGCAGGGTGTGGCGGCGTTCGACGATGCCGGTA ACGGCTTGCAACGGCTTGAGCAGGCTGTCGCGCTCGGCTTGTAAAATCAACATGTTCGCT CCTTTAAATCGGTTTGTATAGTGGATTAAATTTAAATCAGGACAAGGCGACGAAGCCGCA GACGGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTC TCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTAAAGTTAATCCGCTATATCTTTAC CCTTCGGACGCATGGGCAATATCATGTCGTCTGAAAACGTTTTCCATCAGTTTTGAATC AGAATCAGCAGCTTTTCATAATCCTGAGCCAATTCCGGATCTTCTTCGCGCAGTTTCGCC ACTGCCCTGATGCCGTGCATAACGGTCGTATGGTCGCGCCCACCAAACGAATCGCCGATA GACGGCAGGCTCAAAGTAGTCAGTTCTTTGGTCAGGCTCATCGCCACCTGGCGCGGACGG GCAATGTTTCGTGTCCGTTTCTTACCGAGCACATCGCTGATTTTGATGCGGTAATATTTC GCCACCGCATCGATGATGTCGGCGGTGATGACTTTGTGCTTCTCGGCAATAATGTCC TGCAAAGCGGTACGCGCCAAATCGATGTCGATGACGGGACGGTTCATAAAGCGGCTGCTC GCTCCGACACGATTAAACGCGCCTTCAAGCTCGCGCACGTTGGAACGGATCAGATTGGCA ATGAACAGCGCGGCTTCGTCTTCGATACTGATGCCCGCCGCTTCCGCCTTTTTCTGCAAA CGGGATTTGAGGCGGTCGTCCATGCCTTCGATTTTCGCAGGCAACACATCGCAAGTGAGG ATGAGCTGTTTTTCTCGTTGTGGAAATGGTTGTACAGATAGAAAAACTCTTCCATCGTA CGGTCTTTGCCTTTGATGAACTGGATGTCGTCGATAATCAGCAGGTCGTATTGCTTGTAT TGCTGCTTGAACACGTCGTAAGTGTTGTTGCGAACCGCCTTCATAAAGCTGCGGATATAG TCATCCGAATGCATATAGCGCACTTTGGCATCGGGACGGTTTTTCAGCAGCTCGTTGCCG ACCGCCTGCACAAGGTGGGTTTTGCCCAAACCCGTGCTGCCATAGAGGAAGAACGGGTTG TAACTCTGCCCCGGGCTTTCCGCAATCGCCTGCGCCGCAGCCGCCGCAAGGCGGTTGCCC TTACCTTCTACCAACGTATCAAACGTGTAATCCGGAGACAGGTTGGTCTGCTCGTAACGC GCCTCTTCCGCATCGCGCTGCACGTCCGTCCGTGCTTTGGCAACTGCCACCGATTCCGGC CGGGAAGCAGACCCGGCAGCCTGACGCGGCTCGTGCGGCAGGTTTTTCATACGTTCCGCC AAAATATCCGCCGCCGTTTTCGACGCAGCGGGTTTGACAGGCTCTTCAGACGGCAGCTCG TCCAACAGAACCTCCTGCACGGGCATTCCCTCCGACACCGCATGCAAGGACGGCTCGGCA ACGAAGGCGGAACGCCGGCAGCCAACTCTTCCCTCACCGCTTCTATTTTTCCGGCAAAC TGGCTCTTGAGCATATTGCAGGCAAACTGGTTCTTGCCGTACACCACCCATACGCCACCC TCCTCACCAACGGTAAGGGGCGCAATCCATTGCGCAAACTGCCCTTGAGGCAACATATCG TGAAGACGGCGGAGGCACAGCGGCCAAAACTCTGCTAATGTCATGGATAGGCTCGAATCG GTAAAAATGAAATCGAAAACAAAGAAAATATATTTTCAAAAAGAAAACAAATCTGTT GAACGCACATCGGTTCAAAACGCGACTGCCCGATTATACCGACTCACGAATATTTTATCC ACAACCCGTGCAAAAATTTATCCACAGAAAGGCGGCGGAAATCCGCAGGCAATCGGGCAA TCTTCCTGCAAAGTTTCTATATTGATTGACAAAAGCGGCAAATTGGAGTGTAATTCACGG TTTAATTATCTACCCATTCTATTTTAGGAAACATCATGAAACGCACTTATCAACCTTCCG TTACCAAACGCAAACGCACCCACGGCTTCCTGGTGCGCTCCAAAACGCGCGGCGGCCGCG CAGTATTGGCCGCACGCCGTGCCAAAGGCCGCAAACGCCTGGCGGTATAATTTTGGACTA CCGCTTCGGAAGGCAGTACCGCTTGTTGAAAACGGATGATTTTTCATCCGTTTTTGCATT

CAGAAACCGCCGCAGCCGCGACCTGCTGCAAGTTTCGCGCTCAAACGGCAACGGGCTGGG TTATATGAAGCGCGTTATCCGCGACTGGTTTAGATTGAACAAAAACCGGCTGCCGCCGCA GGATTTCGTCGTGCGCGTCCACCGTAAATTCGACAGGGCTACCGCAAAACAGGCAAGGGC GGAACTGGCACAACTCATGTTCGGCAACCCCGCAACCGGATGCAGGAAACAGGCATGATC AGAACGGTACTCTGCAGGCAAGGTTCAGACGGCAACGGGTTTCCCATACAAGGAACATCC CGATGAACTTCCTATTGTCCAAACTCCTGCTGGGACTGATACGGTTCTACCAATATTGCA TCAGCCCGCTGATTCCGCCGCCCCCCTTATACGCCGACCTGTTCGCAATACGCGGTCG GCTGCCACCCTTTCGGCGGACACGGACACGACCCCGTTCCCTGACCCGACGCAATATTCA AATTGCACGCTTTCCTTTTATTTCCCATCGGTTTCTATATAATGCCGTCTGAAGCTTCGG GCAGGCGGCACGACCGCCGGGTATGAAGCCCGCCCTTATTCCCCGTCTATCGGAACACGC AACCTGCGGCATTTCCGACCATTCAGGAAACTCTTATGGATTTTAAAAGACTCACGGCGT TTTTCGCCATCGCGCTGGTGATTATGATCGGCTGGGAAAAGATGTTCCCCACTCCGAAGC CCGTCCCCGCGCCCCAACAGGCAGCACAACAACAGGCCGTAACCGCTTCCGCCGAAGCCG CGCTCGCGCCCCAACGCCGATTACCGTAACGACCGACACGGTTCAAGCCGTCATTGATG AAAAAAGCGGCGACCTGCCCCGGCTGACCCTGCTCAAATACAAAGCAACCGGCGACGAAA ATAAACCGTTCATCCTGTTTGGCGACGGCAAAGAATACACCTACGTCGCCCAATCCGAAC TTTTGGACGCCAGGGCAACAACATTCTAAAAGGCATCGGCTTTAGCGCACCGAAAAAAC AGTACAGCTTGGAAGGCGACAAAGTTGAAGTCCGCCTGAGCGCGCCTGAAACACGCGGTC TGAAAATCGACAAAGTTTATACTTTCACCAAAGGCAGCTATCTGGTCAACGTCCGCTTCG ACATCGCCAACGGCAGCGGTCAAACCGCCAACCTGAGCGCGGACTACCGCATCGTCCGCG ACCACAGCGAACCCGAGGGTCAAGGTTACTTTACCCACTCTTACGTCGGCCCTGTTGTTT ATACCCCTGAAGGCAACTTCCAAAAAGTCAGCTTTTCCGACTTGGACGACGATGCCAAAT AACACCACTTCATGTCCACCTGGATTCTCCAACCTAAAGGCAGACAAAGCGTTTGCGCCG CAGGCGAGTGCAACATCGACATCAAACGCCGCAACGACAAGCTGTACAGCACCAGCGTCA GCGTGCCTTTAGCCGCCATCCAAAACGGCGCGAAAGCCGAAGCCTCCATCAACCTCTACG CCGGCCGCAGACCACATCCGTCATCGCAAACATCGCCGACAACCTGCAACTGGCCAAAG ACTACGGCAAAGTACACTGGTTCGCCTCCCCGCTCTTCTGGCTCCTGAACCAACTGCACA ACATCATCGGCAACTGGGGCTGGGCGATTATCGTTTTAACCATCATCGTCAAAGCCGTAC TGTATCCATTGACCAACGCCTCTTACCGCTCTATGGCGAAAATGCGTGCCGCCGCACCCA AACTGCAAGCCA TCAAAGAGAAATACGGCGACGACCGTATGGCGCAACAACAGGCGATGA TGCAGCTTTACACAGACGAGAAAATCAACCCGCTGGGCGGCTGCCTATGCTGTTGC **AAATCCCCGTCTTCATCGGATTGTATTGGGCATTGTTCGCCTCCGTAGAATTGCGCCAGG** CACCTTGGCTGGGTTGGATTACCGACCTCAGCCGCCGACCCCTACTACATCCTGCCCA TGCAGGCGAAAATGATGAAAATCATGCCGTTGGTTTTCTCCGTCATGTTCTTCTTCTTCC ${\tt CTGCCGGTCTGGTATTGTACTGGGTAGTCAACAACCTCCTGACCATCGCCCAGCAATGGC}$ ACATCAACCGCA GCATCGAAAAACAACGCGCCCAAGGCGAAGTCGTTTCCTAAATGCCGC AGCATGAAAAATGCCGTCTGAAACCTGTTCAGACGGCATTTTTATTGCCCACCCCCTATC GGGGCGGAAATCTTCAACCCGCATACATCACAAAAATCGTCGGGCGTTTTTTCAGATTGG GCATTTCTTTTCTTTTTCGCCACTGCACGATTGTTTGACTGATGATTTCCTGTGTCGGCA AGGTCAAATCCGTAGCCGTGCATAAACGCGTTTCAGGATGCAGGTTTTCCACCGCATCGG CAAGCAGCGCATCATTGCGGTAAGGCGTTTCAATAAAAATCTGCGTCTCGCCGCACTGGC GCGAACGCTGTTCCAAAGCCCGAAAAGCCTGAATCCGCTCGTTTTTTTCAGACGGCAGAT AGCCTTTAAACGCAAAACTCTGCCCGTTCGCACCCGAAGCCATCAAAGCCAGCAGCAGCA TGGAAGGCCCGACCAGCGGACGCACTTCAAAACCGTGTTTATGCGCCAATGCCACCAAAT TCGCACCCGGATCGGCCACAGCCGGGCAACCCGCCTCACTGACAATGCCCATACTGCGCC TTTGCAGATTCAGCTCGCGGATAGGCGTAGTCACGCCCAAATGTTTCAAATGCGCACGCG CCGTTTTTTCCGCCTCCACGACAAATCCGTCAGCCCGACAATCGCCTGTTGTTCATGCG GCAACAGGCACGGCGTGTCAGGCGTACCCAAAGGCGTAGGAATCAAATACAAAACAGGAG ACATCATTCCCTCACCATCGGTTAAAAATGCCGTCTGAGCCTTTCAGACGGCATAAACG GGCAGTTACAGAACCTCCACGCCCTCATTTTTCAAGAAATCGACCAGACGGAAAAACCGGC AAACCGATTAAAGCATTCGGATCGGTACTCTCAATCCTTTCAATCAGCAATGCACCCAAA TCCTCACTCTTCAGCGCACACGAACAATAAACCGCATCAGGCTCGCGCTCCAAATAGCGG AGGATATGCAACTCGTCCAACTGCCTCATCACGACCACCGTCTTATCGATATGCCGCCGC ATCCTGCCCGTAACCGTATTCAACAGCACGATCGCGCTGTAAAACTCAATCTCCCTGCCG CTCAAGTGCATCAGCATCTTTTGCGCATTGGCAAGGTTCATCGGCTTGCCCCACTGCCTG CCGTCGCACCACGCCACCTGGTCCGCACCGACAATCAACGCCTCTGGGAAACGCCCGGTC AACGACCGCCCTTACCCTCGGCAAGGCGCAATGCCGTCTGAGGGGCGGATTCCCCCAAC ATCGGCGTTTCGTCAAAATCGGGGGACGCCGCCTGAAAGGCAATGCCGAGCCTTTCCATC TGTTCGCGGCGAAAACCGAACTCGTACCCAAAATCAAAGGCAGTTCCAAACCCATCCCA TCCTCCTTACCGTTGAAAACACGCCCGAAGGGGCAGTAAAATCCAGCCATGCGCCGAAAC ACGGATACCCGCCTTCGGCGTACCGCAACATTTTTCTTAAAAATATTGACGTTAGAACAT CCGCCGAAGGGCAGAACCTGCAAGGCAGTTTTCTGCTGGAAGAATTGGATGAACGCGTCA GTTCGCACGATTATCCCGCCGACAGGCAGACCAAAATATCGTTTACACTGACCGGCGGTC GCGACCGGCTGCAACGCCTGTTCCTCGACCTGAACGTCAAAGCCGATATGCCCCTGATTT GCCAGAGATGTATCAAACCCATGCCGTTCATGCTTGATGAAAGCAGCCGTATCGTCCTGT TTTCCAACGAAGAGTCCTTGGACGAATCCATGCTTGCCGACGAAGAACTCGAAGGCATAC TGATTGAAAAAGAACTCGACGTGCGCACATTGGTAGAAGACCAAATCCTGATGTCCCTGC CCTTTTCGCCGGGACACGAAGACTGCGGCGACAATGGGACACTGGAAGAAGTCAATCGGG ACAAACCCAACCCCTTTGCTGTTTTGGCAGGTTTGAAAAGCAATTGATTAGGACACAGTT

GTATGCACCGTT CGCACGACGCGCTGACCGCGCCTGCACTGTCTGTCGACAGCACAACCG GCGAAGTACACCGCCCGCACCACATCTCCCCCAACGGTATGTACCGCGGCCGCAAAGTGG TCAAAGCCAAAGGCGAATAATCCCTATTCGACTGACAAAAAAGCCAGAACATTGCCATG CAATTACTGGCTTTTTTTGCATTGGACGCACCATCCGTCCAAACTTTCGCCATACGTCAA CACACAGGGGCAAAGCGTTCCGTATAATACCCCGTGAAAATATTCCAAAAGCCCCAACCA CCAAGGAAATTCCGATGAAACAGAAAATCTGGTACACCTACGATGACATCCACCGCGTCA TCAAAGCATTGGCAGAAAAAATCCGGAACGCCGACATCAAATACGATGCCATGATTGCCA TCGGCGGCGGCGCTTTATTCCGGCACGTATGCTGCGCTGTTTTCTGGAAATTCCGATTT ATGCCGTAACCACCGCCTATTACGACAGCGACAACGAAGGACAGGTTACCGAAGAAGTCA AAAAAGTCCAATGGCTCGACCCCGTTCCCGAAGCCCTGCGGGGCAAAAACGTACTCGTCG TCGATGAAGTGGACGACAGCCGCGTAACCATGGAGTTCTGCCTGAAAGAACTGCTCAAGG AAGACTTCGGTACGATCGGAGTCGCCGTACTGCACGAAAAAATCAAAGCCAAAGCAGGCA AAATCCCCGAAGGCATTCCCTATTTCAGCGGCATCACCGTAGAAGACTGGTGGATCAACT GACCCTTTCAGACGGCATATTTTCCGAACCGATGCCGTCTGAAGCCCGCACGACCCCTGC CGCAGACCGAAAACCTACCGGAGAAACCCTATGATTACATTGGCCGTAGATGCCATGGGC GGCGACCAAGGACTTGCCGTTACCGTACCCGGCGCAACCGCATTCCTCCAAGCACACCCC GATGTCCGCCTGATTATGACCGGCGACGAAACGCAACTGCGCCAAGCCCTGACCGCGGCA GGCGCACCGATGGAACGCATCGACATCTGCCATACCACCCAAGTCGTCGGCATGGACGAA GCCCCGCAATCCGCCCTGAAAAACAAAAAAGACTCCTCCATGCGCGTCGCCATCAACCAG GTTAAAGAAGGCAAAGCCCAAGCCGCCGTATCCGCAGGCAACACGGGTGCGCTCATGGCA ACCGCACGTTTCGTCCTCAAAACCATTCCCGGCATCGAACGCCCCGCCATCGCCAAATTC CTTCCTTCCGACACCGACCACGTTACCCTTGCACTCGACCTTGGCGCGAACGTCGACTGC ACGTCCGAACAGCTCGCCCAATTTGCCGTTATCGGCAGCGAACTCGTCCACGCACTCCAT CCTCAAAAAGGACAGCCGCGCGTCGGGCTGGTCAACGTCGGCACGGAAGACATCAAAGGT ACGGACACCGTCAAACAAACCTACAAACTGCTGCAAAACAGCAAACTCAACTTTATCGGC AACATCGAAAGCAACGGCATCCTCTACGGCGAAGCAGATGTCGTCGTCGCCGACGGCTTT GTCGGCAACGTCATGCTCAAAACCATCGAAGGCGCGGTCAAATTCATGAGCGGAGCCATC CGCCGCGAATTCCAAAGCAACCTGTTCAACAAACTTGCCGCCGTTGCCGCCCTACCCGCC CTCAAAGGGCTGAAAAACAAACTCGACCCGCGCAAATTCAACGGGGCCATCCTGCTCGGG CTGCGCGGCATCGTGATTAAAAGCCACGGCGCACAGACGAAACCGGTTTCCGCTATGCC CTCGAAGAAGCCTACCACGAAGCCAAGTCCGCCGGCCTTTCCAAAATCGAACAGGGCGTA GCCGAACAACTCGCCGCACTCGAAACTGCCAAAAGCCGTCCAAAACGAAAATGTCGGCGGT CCAAACCTGCGGGCGCGGACGGCGATGCGCCTGTCCGGCACTTCCCAAATATCGCCTTGT AAAATAAGGAGTATTTGAAAAATGAAGACATTAGAAAAACGGATGAAAGCTCTAGACAAA CGGATTATGAAGTTCGGAAAATCCCTTGAAGGCAGGCTTGATGCCCCGTCTGATTGAATCC GCATTGGATTATATTCATTATTCGGAACGTTTTTTGGCTTTTTGAAATCCTGTGTACTTAT ATCGAAGATTTCGATGTCCGGCTGACGGAACAAGAATCCCGGGAAATTTCTTTTATCAAC AAGGAATTTGAGATAGAAAGCACGTCCGATTAACCAATAAAGCCAATGGGTTGATAAACA TGAAAACATCGACGGTCGTTTTTGGCGGATTTTTTATGGCAGACAACGGAGAGCGAATCC ATTTTGAGAAAAAACCGGCGTCCTTGTTTTCAGAATCATCCCCGAGCCGGAATTTGGCA ATACCGAATTAACTGTCTATTTTAAAAAAGGATATTATAGTGGATTAACAAAAACCAGTA CGGCGTTGCCTCGCCTTGCCGTACTGGTTTTTGTTAATCCACTATATCAGACGAAAAACAA ACACCCGCGCCAATAGCCTGACGGCAACCCGGCAATCAAAATGCCGTCTGAAGCAGCTTG CCACGGCAATCTGCATCTGAAAACCATCTGTATCCCAAACCACACCCCCATCCCTGTTTC CATCATGTGCACCCTGTCCGTATTGGGCAATCATCTGTTTTTCGCTTACAATAGCCGAAT CTGAACCAACTCTCTAAAAAGGCCGTTCCCATGCAGTATGCAAAAATTTCCGGCACAGGC AGCTATCTTCCCGCCAACCGCGTCAGCAATGACGACCTTGCCCAAAAGGTAGATACCTCT GACGAGTGGATTACCGCGCGCACGGGCATCAAATTCCGCCATATTGCAGCCGAAAACGAA AAAACCAGCGATCTTGCCGCCGAAGCGGCGCACCGCGCGCTGGATGCAGCCGGATTAGAC AGCGGCGAAATCGATTTGATTATCGTGGCAACGGCAACGCCGGATATGCAGTTTCCGTCT ACTGCGACCATCGTGCAACAAAAATTGGGCATCACCAACGGCTGCCCCGCGTTTGACGTA CAGGCGGTGTGCGCCGGCTTTATGTACGCGCTGACCACGGCAAACGCCTACATTAAAAGC GGTATGGCGAAAAACGCGCTGGTCATCGGCGCGGAAACCTTCAGCCGCATTGTAGACTGG TCGGACACGCCGGCATCATCCACAGCAAACTCAAGGCCGACGGCAATTATCTGAAACTC TTAAACGTCCCCGGGCAAATCGCCTGCGGCAAAGTTTCCGGTTCGCCGTACATTTCGATG GACGGTCCCGGCGTGTTCAAGTTTGCCGTCAAAATGCTGTCCAAAATCGCCGATGACGTT ATCGAAGAAGCAGGTTACACCGCCGCTCAAATCGACTGGATTGTTCCCCCATCAGGCAAAC CGCCGCATTATCGAATCGACCGCGAAACATTTAGGTTTGAGTATGGACAAAGTCGTCCTG ACCGTCCAAGACCACGGCAACACTCCGCCGCATCGATTCCGCTGGCTTTGGATACGGGC ATCCGCAGCGGACAAATCAAACGCGGTCAAAACCTGCTGCTCGAAGGCATCGGCGGCGGT TTCGCGTGGGGCGCGGTGCTGTTGCAATATTGAACCCGATGCCGTCTGAAACAGGCTTTC **AGACGGCATTTCCCATATCATGAAGCGGCAGGCTTTCTTCAAACTGATGGCGTGTGCGGC** ATTTCTGTCTGCCGTTTCGCTGCGCCTCCCCGTATTGGGCGCGTGTTACGCAATATTGTC CCTCTATGCGTTTGCACTTTACGGCATCGACAAACGGTGCGCCATACGGGGGCAACGCCG CGGCAGCATGACATTCAAACATAAGACAGCGAAAAAGCGTTTTGTTGTGCTGTTCCGTCT GACTGTTTCAGGTAATGTCTTGGCGACCCTCATCCTGATTTATAGTGGATTAAATTTAAA CCAGTACGGCGTTGCCTTGCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTT GTCCTGATTTTTGTTAATCCACTATATTATTTTGTCCCGCCTGAATTTTTCGTAAAACTC

GGGCAGAATACCTGATTATCCAACCAAACAAAGGAATACTATGTCTTTTGCCTTCTTTTT TCCCGGACAAGGTTCCCAAAGCCTCGGTATGATGAACGGCTTTGCCGAACACGCCATCGT CAAAAACACCTTTGCCGAAGCCTCCGCCATATTGGGGCAGGACTTGTGGGCGATGATAAA CGGCAGCGATGCCGAAATCATCGGTCAAACCGTCAACACCCAGCCCATTATGCTCGCCGC CGGCGTTGCCGTTTACCGCGCCTATTTAGAAGCGGGCGCAAAACGCCTGCCGCCGTTGC CGGACACAGCCTCGGCGAATACACCGCACTCGTTGCCGCCGGCGCATTGAATTTTGCCGA CGCGGTCAAACTCGTGCGCCTGCGCGCCGAACTGATGCAGTCCGCCGTACCGCAAGGCGT GGGCGCAATGGCGGCGATTCTCGGCTTGGAAGATGAGCAGGTTAAAGCCATTTGTGCCGA AGCCGCCCAAAGCGAAGTGGTCGAAGCCGTCAACTTCAACTCACCCGGACAAATCGTGAT TGCAGGCAACGCCGCCGCCGTCGGACGCGCCATGGCTGCCGCCAAAGAAGCCGGTGCCAA ACGCGCCCTGCCGCTGCCCGTGTCCGTACCTTCCCATTGCAGCCTGATGAAACCCGCCGC CGACAAACTTGCCGAAGCCCTGAAAACCGTTGAAATCAAGCAGCCGCAAATCCGCGTTAT CCACAACGCCGACGTTGCCGCCTACGATGATGCCGACAAAATCAAAGACGCGCTCGTCCG CCAGCTTTACAGCCCCGTACGCTGGACGGAAACCGTCAACGCCCTCGTTTCAGACGCCAT TGCCGAATCCGCCGAATGCGGCCCGGGCAAAGTGTTGGCGGGCTTGGCAAAACGCATCAA CAAAGCCGCCGCGTGCAGCGCACTGACCGATGCCGGACAGGTTGCCGCCTTTATCGAAGC GCACTGACTTCGTTCTGCAAAAAGCAGCCTGCCCTCTTCAGGCTGCTTTTCATGTCCGAA CGACGGCAGCCCCATATTTACGCTATAATCCATCCCGACCAAACCACCGACAGCGGCTGC CGTTGCAGTTCCCGCCCTACCGATATGATAGAAAAACTGACTTTCGGACTGTTTAAAAAA GAAGACGCGCGCAGCTTTATGCGCCTGATGGCGTACGTCCGCCCCTACAAAATCCGCATC GTTGCCGCCCTGATTGCCATTTTCGGCGTTGCCGCCACCGAAAGCTACCTTGCCGCCTTC ATCGCCCCCTGATTAACCACGGCTTTTCCGCACCTGCCGCGCCCCGAGCTGTCTGCC GCCGCCGGCATCATTTCCACCCTGCAAAACTGGCGCGAACAGTTTACCTATATGGTTTGG GGGACGGAAAACAAAATCTGGACCGTCCCGCTCTTCCTCATCATCCTCGTCGTCATCCGT GGCATCTGCCGCTTTACCAGCACCTATCTGATGACTTGGGTCTCCGTGATGACCATCAGC AAAATCCGCAAAGATATGTTTGCCAAAATGCTGACCCTTTCCTCCCGCTACCATCAGGAA ACGCCGTCCGGCACCGTACTGATGAATATGCTCAACCTGACCGAACAGTCGGTCAGCAAC GCCAGCGACATCTTCACCGTCCTCACGCGCGACACGATGATCGTTACCGGCCTGACCATC GTCCTGCTTTACCTCAACTGGCAGCTCAGCCTCATCGTCGTCCTGATGTTCCCCCTGCTC TCCCTGCTCTCGCGCTACTACCGCGACCGTCTGAAACACGTCATTTCCGACTCGCAAAAA AGCATAGGCACGATGAACAACGTGATTGCCGAAACCCATCAGGGACACCGCGTCGTCAAG CTGTTCAACGGGCAGGCGCAGGCGGCAAACCGGTTCGACGCGGTCAACCGCACCATCGTC CGCCTCAGCAAAAAATCACGCAGGCAACGGCGCACATTCCCCGTTCAGCGAACTGATC GCCTCGATCGCCCTCGCCGTCGTCATCTTCATCGCCCTGTGGCAAAGCCAAAACGGCTAC ACCACCATCGGCGAATTTATGGCATTCATCGTCGCGATGCTGCAAATGTACGCCCCCATC AAAAGCCTTGCCAACATCAGCATCCCTATGCAGACGATGTTCCTCGCCGCCGACGGTGTA TGTGCATTTCTCGACACCCCGCCCGAACAGGACAAGGGCACGCTCGCACCGCAGCGTGTC GAAGGGCGCATCAGCTTCCGCAACGTCGATGTCGAATACCGTTCAGACGGCATCAAAGCC CTCGACAACTTCAACCTCGACATCAGACAAGGCGAACGCGTCGCCCTGGTCGGACGTTCC GGCAGCGGCAAATCCACCGTCGTCAACCTGCTGCCCCGCTTTGTCGAACCGTCTGCCGGC TTCGCCCTCGTCTCCCAAGACGTATTCCTGTTTGACGACACCCTGTTTGAAAACGTCCGA TACAGCCGTCCCGACGCGGGCGAAGCCGAAGTCCTGTTCGCCCTCCAAACCGCCAACCTG CAAAGCCTGATTGACAGCTCCCCGCTCGGACTGCACCAGCCCATCGGATCGAACGGCAGC AACTTATCCGGCGGACAGCGGCAACGCGTCGCCATTGCCCGCGCCATTTTGAAAGACGCG CCGATATTATTATTGGACGAAGCCACCAGCGCATTAGACAACGAATCCGAACGCCTCGTC CAACAGGCGCTCGAACGCCTGATGGAAAACCGCACCGGCATCATCGTCGCCCACCGCCTG ACCACCATCGAAGGGGCCGACCGCATCATCGTGATGGACGACGGCAAAATCATCGAACAA GGCACACACGAACAACTGATGTCCCAAAACGGTTACTACACGATGTTACGCAATATCTCA AACAAAGATGCCGCCGTCCGGACGGCATAAACAAAATGCCGTCCGAAATGGTACAATCGC CCCGACCCTTTCAGACGGCATCATATCCGCCGACCCATCCGATTATCTTCAATCACTGTA AAACCCATTATGACCCAAGACAAAATCCTCATCCTTGACTTCGGTTCGCAAGTTACCCAG CTCATCGCCCGCCGCGCGCAAGCCCACGTTTACTGCGAGCTGCATTCTTTCGATATG CCTTTGGACGAAATCAAAGCCTTCAACCCCAAAGGCATCATCCTCTCCGGCGGCCCCAAT TCCGTTTACGAATCCGACTATCAAGCCGATACCGGTATTTTTGATTTGGGCATTCCGGTT TTGGGCATCTGTTACGGCATGCAGTTTATGGCGCACCACTTGGGCGGCGAAGTGCAGCCC GGCAACCAGCGCGAATTCGGTTATGCGCAAGTTAAAACCATAGACAGCGAGCTGACACGC GGCATTCAAGATGGTGAGCCAAACACACTCGACGTATGGATGAGCCACGGCGACAAAGTG TCCAAACTGCCCGACGGTTTCGCCGTCATCGGCAACACCCCGTCCTGCCCGATTGCCATG ATGGAAAACGCCGAAAAACAATTCTACGGCATCCAGTTCCACCCCGAAGTTACCCACACC AAACAAGGCCGCGCCCTGTTGAACCGCTTTGTCTTGGATATTTGCGGCGCACAACCGGGC TGGACGATGCCGAACTACATCGAAGAAGCCGTTGCCAAAATCCGCGAACAGGTCGGCAGC GACGAAGTGATTTTAGGTCTGTCCGGCGGCGTGGACTCTTCCGTAGCCGCCGCGCTGATT CACCGCGCCATCGGCGACCAACTGACCTGCGTGTTCGTCGATCACGGTTTGTTGCGCCTG AACGAAAGCAAAATGGTGATGGATATGTTCGCCCGCAACTTGGGTGTGAAAGTGATACAC GTCGATGCCGAAGGGCAGTTTATGGCGAAACTCGCCGGCGTAACCGACCCCGAGAAAAAA AACGCCAAATGGTTGGCACAAGGCACGATTTACCCTGACGTAATCGAATCCGCAGGTGCA ATGAAGCTCAAATTGCTTGAGCCTTTGCGCGATTTGTTCAAAGACGAAGTACGCGAATTG GGTGTGGCTTTGGGCCTGCCGCGAAATGGTGTACCGTCATCCGTTCCCGGGTCCGGGT TTGGGCGTGCGTATTTTGGGCGAAGTGAAAAAAGAATATGCCGACCTGCTTCGTCAGGCA GACGATATTTCATTCAAGAATTGCGCAATACTACCGATGAAAACGGTACATCTTGGTAC - GACCTGACCAGCCAGGCATTCGCCGTGTTCCTGCCCGTCAAATCTGTCGGCGTAATGGGC GACGGCCGCACATACGATTACGTCATTGCCTTGCGTGCCGTGATTACCAGCGACTTTATG ACCGCGCATTGGGCGGAACTGCCGTATTCCTTGTTGGGCAAAGTGTCCAACCGCATCATC AACGAAGTCAAA GGCATCAACCGCGTGGTTTATGATGTGAGCGGCAAACCGCCTGCCACC ATCGAGTGGGAATAAACAGCAAACATGGCTGCCCCGTCCGGCGCAGTCCTTCGATTATCG GAAAAAAGGAAAAAATATGAGCACACAAGATTTAAACGGCAAAATCGCTTTGGTAACAGG CGCATCGCGCGGTATCGGTGCAGCAATTGCCGACACGCTGGCGGCAGCCGGTGCCAAAGT GGGCGGCGAAGGCCGCGTATTAAATTCCGCCGAACCTGAAACCATCGAAAGCCTGATTGC CGACATCGAAAAAGCGTTCGGCAAACTCGATATTCTGGTCAACAACGCCGGCATCACCCG CGACAACCTCCTGATGCGCATGAAAGAAGAAGAGGGGGGCGACATCATGCAGGTCAACCT CAAATCCGTGTTCCGCGCTTCTAAAGCCGTTTTGCGCGGTATGATGAAACAACGTTCCGG CCGCATCATCAACATCACATCCGTCGTCGGCGTGATGGCCAATGCCGGTCAAACCAACTA TGCCGCGGCAAAAGCAGGCTTAATCGGTTTCTCCAAATCCATGGCGCGCGAAGTCGGCAG CCGGGGCATTACCGTCAACTGCGTCGCCCCTGGCTTTATCGATACCGACATGACACGCGC CCTGCCGGAAGAAACCCGCCAAACCTTTACCGCCCAAACCGCCTTGGGCAGATTCGGCGA CGCGCAAGACATCGCCGATGCGGTTCTGTTCCTCGCTTCCGACCAAGCAAAATACATCAC CGGCCAAACGCTGCACGTCAACGGCGGTATGCTGATGCCTTAACAGACAACTTTTTCAAC ACACCCGCCCTGCCCATGCGGCTCAGGCACAAGCTGAGACCTTTGCAAAATTCCTTTCC CTCCCGACAGCCGAAACCCCAACACAGGTTTTCAGCTGTTTTCAGCTGTTTTCGCCCCAA ATACCGCCTAATTCTACCCAAATACCCCCTTAATCCTCCCCGGACACCTGATAATCAGGC ATCCGGGTCACCTTTTAGGCGGCAGCGGGCGCACTTAGCCTGTTGGCGGCTTTCAAAAGG TTCAAACACATCGCCTTCAGATGGCTTTGCGCACTCACTTTAATCAGTCCGAAATAGGCT GCCCGGGCGTAGCGGAATTTATGGTGCAGCGTACCGAAGCTCTGTTCGACCACATATAGT GGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAA GGTGCTGAAGCACCGAGTGAATCGGTTCCGTACTATTTGTACTGTCTTCGGCTTCGTCGC CTTGTCCTGATTTTTGTTAATCCACTATACATCATCGCTACTACCGTTCCGGCGCAACAG GCATTCCTCGATGCCGCCGAACTGATGCAATGGAGTATAGAAACCGAAGGGCTGGGCTTG AACGTCATCTCGCACAAGATACTCGGCAAAGACCACGCCCAAGTCGAATTTGAAGCCTAC TTCCGAGACGGACAACACCGATCCGCGCATCACGAACTGTCCGGCTTCGTCAACATCGGC GGACAATGGTATTTTATCGATCCCACCGTTCCGCATCCTGCGATGAAACAACCCTGCATT TGCGGATCAGGCAAAAAATTCAAAGCCTGCTGCGGCAAATATCTGAAACCTGTCGCATAA GGGTAAGTATGAATGGTCAATACATTGCGGGAAAACGTCTTACTTGCTGCACTGCCGAAA AGGGAGAAACGGCAGCGGTAATCAGCGGAAAGGATTGTACCCGAATTAATATTAAGAAAC GTTAATCGCGAAAATATATTAACAAACCTGTTGAAACCTATTGGTTTTCCCGTATCCACC CGACCCAGCGTTCAAACAGCTTCGGTTCGAGCGCGGCAACGACCGAGCGTTTGAACACGT AAATCAACGCGCCGGCGGCATAATCCCACAGCTTCTGCCCGCCGTGAACATAAACATCAT **AACGCCCGCACGCCAGATAACACCAATCCAACGTACTGCTGCCCATACTCCGTATCGTTC** CAAAAGGCGCGAGCGTACTCATACGGCTGGAAAGTTTGCCCGAACGCAGATATTTGATTT CCACGCCGCAATCGCCTCATTGAGTTTTTTATCCACGAGGCGCAGGGGCAGACGCGTCC CGTTTAAAAACGCCCCCTGCCCGCGTTCGGCATAAAAACATTCGCCGCTGACTGGGTTGT AGATTACGCCCAACTCGGCGCGCCCGTTGCGGACAAACGCCACCGATACCGCAAAATGCG GCAGCCCGTTGACAAAATTGTTCGTCCCGTCTATCGGATCGACAATCCACAGCCCCTTTT CCCCGAATATTGTTCCCACAAAGCCGACTGTTCCTGCCGCGACATTTCCTCACCCAACA TCGGACTGTCGATTAAAAGCGGCAACGCGGCGGCAAAAGCCGTCTGCGCGGCAATGTCCG CCTCGCTCAACATCGAACCGTCTTCCTTGCGGTGAGACGGCGTATTCAAAAAACGCGGCA TAATTTCGGTTTGCGCGATATGGCGCACGACTTTCTGCAAACGGTGTAACACTTCCTACT GTCCTCATATTTTGAACTTGCGGCGCGCGAACGTATAATGTCCGCTTCCATCACGCCGCT GCGACGGATTATAACCGTCCGAACCGCCAAAAACTATGCCCCGATTCCACCTGCCCGAAA **ACCTTTCCGTCGGACAAACCGTCGCCCTGCCCGACAACATCGTCCGCCACCTCAACGTCC** TGCGCGTCCGCCCAACGAAAACATCACCCTCTTCGACGGCAAAGGCAAGGCACACGCCG CACGGCTGACCGTTTTGGAAAAACGCCGCGCCGAAGCCGAAATCCTGCACGAAGACACAA CCGACAACGAGTCCCCGCTCAACATCACACTGATACAATCCATCTCCTCCGGCGATCGCA TGGATTTCACCCTGCAAAAAAGCGTCGAACTCGGCGTAACCGCCATACAGCCCGTCATCA GCGAACGCTGCATCGTCCGCCTCGATGGGGAACGCCCCCAAACGCCTCGCACGCTGGC AGGAAATCGTCATCTCCGCGTGCGAACAAAGCGGCAGGAACACCGTTCCCCCCGTACTGC CCATCATCGGCTACCGTGAAGCACTCGACAAAATGCCGTCTGAAAGCACCAAGCTGATTA TGAGCATCAACCGCGCCGCAAACTCGGCGACATACGCCAACCGTCCGGCGCAATCGTCT TTATGGTCGGGCCGAAGGCGGCTGGACAGAACAGGAAGAACAACAGGCATTTGAAGCTG GCTTTCAGGCGGTTACACTCGGCAAACGGATTTTACGCACAGAAACCGCCCCACTCGCCG CCCTCGCCGCCATGCAGACGCTTTGGGGCGATTTCGCATAAACAGAAATGCCGTCTGAAA CCCGTTCAGACGCCATTTTGCAGCCGATTAAGATAGGTTCAAATAAGATTTCCCGTG TCGTCATTCCCGCGAAAGCGGGAATCTAGAAACGAAAAACTACAGAGATTTATCCGAAAC AACAACCCTCTCCGCCGTCATTCCCGCAAAAGCGGGAATCTAGAAACGAAAAACTACAGG GATTTATCCGAAACAACCCTCTCCGCCGTCATTCCCGCGCAGGCGGGAATCTAGAA ACGAAAAACTACAGGGATTTATCCGAAACAACAAACCCTCTCCGCCGTCATTCCCGCGCA GGCGGGAATCTAGAAATTTAACGTTGCGGTGATTTATCGGAAATGACTGAAACTCAACGG **ACTGGATTCCCGCCTGCGCGGGAATGACGAGATTTTAGGTTTCTGTTTTTTGGTTTTCTGT** TCTCGCGGGAATAACGGAATTTTAAGTTTTAGGAATTTGTCGGAAAAACAGAAATCCCCC CGCCGTCATTCCCGCAAAAGCGGGAATCTAGAAACGAAAAACTACAGGGATTTATCCGAA ACAACAAACCCTCTCCGCCGTCATTCCCGCGAAAGCGGGAATCTAGAAATTTAACGTTGC GGTGATTTATCGGAAATGACTGAAACTCAACGGACTGGATTCCCGCCTGCGCGGGAATGA ${\tt CGAATTTTAGGTTTCTGTTTTTTGGTTTTCTGTTCTCGCGGGAATAACGGAATTTTAAGTT}$ TTAGGAATTTATCGGAAAAACAGAAATCCCCCCGCCGTCATTCCCGCGAAAGCGGGAATC

TAGAAATTTAACGTTGCGGTGATTTATCGGAAATGACTGAAACTCAACGGACTGGATTCC ATGACGAATTTTAGGTTTCTGTTTTTGGTTTTCTGTTCTCGCGGGAATAACGGAATTTTA AGTTTTAGGAATTTGTCGGAAAAACAGAAATCCCCCCACCGTCATTCCCGCAAAAGCGGG AATCTAGAAATTTAACGTTGCGGTGATTTATCGGAAATGACTGAAACTCAACGGACTGGA TTCCCGCCTGCGCGGGAATGACGAAGTGGAAGTTACCCGAAACTTAAAACAAGCGAAACC GAACGGACTAGATTCCCGCCTGCGCGGGAATGACAGTGTATCCATTTCTAATTTTAATCC GCTATATTTTACACAAACTATTTGAACGATATGACCCGCCTGCCGTAAGCTTTCTCAAGC TCCGCCTGCCTTTGACGCTCCATTCTTTTCTTTTTCCCTACCGAATTTACCCAAAGCA TTTTCCAAATCGCTACCCAACATACTGTTTTTACTGAGGAACTTGGCATAATGCAATTCT TGGGTACATAAGGCGGGATTAACCTGATAAACAGGCATCCCCTCCTTATCAAAGAAATAA GTAAACATCATCCAATCTACCGCTTTAATCCACTCTGCCGGCAAAACGGCAAACCTTTCC TCCAGCAAAGGAAATGACCGATTCTCATAATTCAGGACTTTATCCGGTCTGACAATAACT TTCGCAAACATCGTTTCCAAACGAACGATAAAGGCAGAATCCTTATCAAAACGCTCTTCC AACCAAGTATCTTCGGCAAGGAACTTTTCTGCGTCTTTGCCAAGCAGGACATCATCCTCA AATACGGCAACA TAGGGCAGACCTTCATCCAATGCCTGTTTCCACAATACGGCGTGGCTC ATAAAGCAGGCTTTTTCCACTTCGCTCAACAGGTGCTGTTTTGCCAATCCCGGCACCAAT TCCGCCATCATCCGATTCAGTTCTTCAGACGGCATCAGTGCGTCGAAAAACTGAAACGGG ATGCCGCGCACGCCGAAGGTTGCGGCAATGTGCGCCCTGCGTTCTGCGGCGGAAGCTAAG CTGATAACATGGTTTTGCATAATTTATCCTGTTTTTTGTCTGTTGGATAAAGCGGCGTTT TTCAACGGTTTTTCAGCAATCGGCGCAAAATGCCGAAGTATTGCCTCAAGGTAAACAGCC GCCGCATCCTGCCGTCTGCCAAATACGATGTCCATCTCCTCCTTTTATTGGAAAGG GGCGCGGATCAGGCGGTGTTTGAATGTGTTGGCGGGGGAATCGCGCCTTTGCTGTTTGCG GTTCAGGAGGCGGTCGTGTTCGATCAGGCTGCCCAATGCGCTGTTTTGGTCGTGAAACTT GGCATAATGCAGCTCTTGGGCGCACAAGGCGGGATTGAGCTGGCAAACCGGCATTCCTTC CCTGTCGAAAAAATCGCTGAACATCATCAGATCGACGGGGTGCAGCCCTTCGGGCGGCAG GGCGGCAAACCTGTCCAGGAAAAACCGCATCGCTTTTCGGGAAATGATATAGCCCGCCGT CCCCCAGTGTTCGCTTTCCAACAGCGGAAAGGCGCGCCGCAGTAATCCGCCACGCCGGA GGGCGAGGTCAGGACGTGCATAAACATCGTTTCCAAGCGGACGATAAAGGCGGTATCCGG GTCAAAGCGTTCTTGCAGCCAAGCGTCTTCGGCAAGGAATTTTTCCGCACCTTCGCCGAG TAAAACGTCGTCCTCAAATACGGTGATATACGGCAGACCTTCGTCCAATGCCTGCTTCCA CAATACGGCGTGGCTCATAAAGCAGGCTTTTTCCACTCCGCTCAAATAGGGGTGCGCCGA CAAGCCGGGGACGAGTTCCGCCATTGCCTGTTCCAGCCTTTCAGACGGCATCAGTGCGTC GAAAAACTGAAACGGGATGCCGTGCCTGCCGAAGGTATCGGCAATGTGCGCCCTGCGTTC TGCGGCGGAAGCTAAGCTGATAACGTGGTTTTGCATAATTTATCCTGTTTTTTGTCTGTT GGATAAAGCGGCGTTTTTCAACGGTTTTTCAGCAATCGGTGCAAAATGCCGAAGTATTGC CTCAAGGTAAACAGCCGCCGCATCCTGCCGTCTGCCGCAAAATCCAGCCACGCGCCGGCG TCTTCCGGCAAATGTTTCTCCAGCAATTCATACGCTACTGCTTTTATTTGGCGGTATTCA AGGCTGTCGAACCGGGTTTTAAAACCCATAGACTGCAAAAAATCGTTTCTGGCGGTTTTT TGGATGCCTTGCGCGATTTCGTGTTGGCGGATGCTGTATTTGGATGAAACCTGATTGGCG TGAAGGCGGTAT TTGACCAAGGCTTCGGGATAATAAGCCAGCCTGCCCAATTTGCTGACA TCGTACCAAAATTGGTAATCTTCCGCCCAATCCCGCTCGGTGTTGTAACGCAAACCGCCG TCAATGACGCTGCGCCTCATAATCATCGTGTTGTTGTGTATGGGGTTGCCGAAAGGGAAA **AAGTCGGCAATGTCTTCGTGTCGGGTCGGTTTTTTCCÄAATTTTGCCGTGTTCGTGGTGC** CGCGCCAGCCGGTTGCCGTCCTTTTCTTCCGACAAAACTTCCAGCCACGCACCCATCGCG ATGATGCTGCGGTCTTTTTCCATCTCACCCACGATTTTCTCAATCCAGTCGGGGGCGGCA TCCAGCCCGATGTTTAAAGAGGGAATCAGACCGGAATTGCGCGGGCTGCGCGAGGATGCGG TCATCGACAATCAAAATATCCAAGTTGCGCCAAGTTTGATTCACGACGGCGGCTAATGAT TGGGCGAAATATTTTTCTACGTTGTAGGCGCAAATCAATACGCTGACTAAAGGCTGCAAT TTATTCTCCCGATAGGCACGATGCCGTCTGAAGGCTTCAGACGGCATTTGGACTGTACAA CGGTTACTCGCCCAAAAGCGCGATATCCGCTACCGCGTTCATTTGTTCTGCCAAGCGGTT CAGCAGGTTCAGGCGGTTTTGTTTCACGGCGGCATCTTCCGCCATCACCATCACGCCGTC GAAGAAGGCATCGACTTGCGGTTTGACGGAAGCCAGTTCGGACAAGGCGGTCTGGAAATT GCCTTCGGCAACGGCGGCGAATTTTCGGCTGCAAGCCTTGTGCGGCGGCAAAGAGGGC TTTTTCTTCGTCCTGTTGCAGCAAGCTTTCGTTAACCGCGCCCAACTCGGCATCGGCTTT TTTCAGCAGGTTTTGCACGCGTTTGTTGGCAGCGGCGAGCGCGGCGGCTTCGGGCAGTTG TTTGAACGCGGCGACAGCCTGCAGTTTGGCGGTCAAATCGTCCAAACGGCGCGGCTGCTT GGCAAGTACGGCGGCAACGATGTCTTGCGGATAATCGTTTTGCAGCAATACGGCAAGGCG CGCCTGCATGAAGTCGGCGGTTTCAGACGGCGTTTTTTCGTTGAGCAAACCTTGCGGGAA GCTGTTGAAGGCCGTCTGAATCAGTTCGTTTACGTCCAAACCGTACTGCATCAGCATACG CAAAATACCCAATGCGGCGCGCGCGCGCGCGTATGGGTCTTTGTCGCCGGTCGGAATCAG GCCGATACCCCAAATGCCGACCAAGGTTTCCAGTTTGTCGGCAAGCGCAACGGCGGCGGC AATTTTGCCCTCAGGCAGGTTGTCGCCGGCAAAACGCGGTTGGTAGTGTTGCTCGACGGC TTCGGTAATTTCTTCGGTTTCGCCGTCCAAGCGGGCGTAGTATTTGCCCATCGTGCCTTG CAGTTCGGGGAACTCGCCGACCATTTCGGTTACTAAGTCGGCTTTTGCCAAACGCGCGGC GCGTTCGGCTGCGGCGCATCCGCGCCCAAAGCCTTGGCGATATGGGCGGCGATGCTTTG CAGGCGTTCGATGCGTTCGGCTTGCGAACCGATTTTGTTGTGATAAACCACGTTCGTCAG AGACAGGCGCGCGCAAGACACGTTCATTGCCTTGGATGATGTTGACGGATCTTCGGT

TTGCAGATTGGACACCAGCAGGAAGCGGTTCATCAGCTTGCCGTTTTGGTCGAGCAGCGG GAAGTATTTTTGGTTTTGCTGCATCGTCAGAATCAGGCATTCTTGCGGTACGGCGAGGAA GTGTTCTTCAAAACCGGCTTCCAATACCACAGGCCATTCGACCAGCGCGGTTACTTCGTC CGTCTGAATCGCGGCTTTGCGCTCGGCAAACGAAGCGACGACTTTGCCTTGCTCGCGCAT TTGTGCGGCGTAGCTGTCGGCGTTTTCAATGGTAATTTCGCCGTCGGAGAGGAAGCGGTG TCCCAAGGTTTTGTTGCCGCTTTGCAGACCCAAAACGCTGACGTTCACAATGTCGCCGCC GTGCAGTACAACTAGCCCGTGAACGGGGCGCACAAAGGTAAACGTGCTGCCCCCAACG GCCCAACGGTTTGCCGATTTGGACGTATTCGTAGGCGTACACGTCCTGCTTGCCGTCGTG GACGATGGTCAAGTCTTCGATTTTCGCGCCCGCACCGCGTGCGAAACCTTCCAAAGCCTT GGTTGGCGCACCGTCTTTCATGGCATTCGCTACGGCAGGGCCTTTTTTCACAATTTTTTG ATCAGCCTGAACGCCTTTGACGTTTTTGACTTGAACCGCCAAACGGCGCGCGGGGGCATA AGCCGTAAATTCGGCTGCGCCGTCAACCAGTTGCGCTTTTTCCAAGCCTTCGGCAACGGA AGCGGCGAAATGGTTGCCCAGATTATTCAGGGCTTTGGGCGGGAGTTCTTCGGTAAGGAG TTCGATTAAAAGGGTTTGGGTCATCATTCGGCTTTCTTTGAATTTGGTTAATCTGCCTGT TTATAGGTTTCGCTGTAATTTTCCCAGCCGTCATCCCCATAAAAACCGTCAACCAGCGGG TCGGTTTCTCCCAAGCTTCGGGCACCGGATTTTTGAAACAGGCACGAAAAATCGCCGCAA TCGCCCCCCCCCATTTCAAAGCCGTTTGCCGCAAGATACGCAATCAGCTCGTCCATAAA GCGGTCGAACGCTTCGGCATCGTCCTCAGCTTGGTGCAAACTGCCTTGAACGCCGAAAAT CAATGTTTGAAACTCGCCCAAATGCAGCTTTTTATGCTGGCGGCGGTTCATTTTGTGCAG GCGTTTCCTGCTTGGGGTGCGGAAATAGACAGGCATGATTTTCCTAAAAAATATAATGGC TTCCGGACGCTGCCTTATCGTGCCGCCCGAACGTAAAAATCGTCGCCCCCTTAGGCGG CGTTTGCCTTCATTAAAGGGAAGCCCAGTTTTTCGCGCCTTTCAACATATTTTTGCGCCA CGGCGCGCTCAATGCACGAATACGTCCAATATAAGTTGCCCGCTCAGTTACGGAAATCG CGCCGCGTGCGTCTAAAAGGTTGAACGTATGCCCCGCTTTGAGGACAAGCTCGTAGGCAG GCAGGGCGAGGGCGTTTTCTTCGGCAAGCAGGCGTTTGGCTTGCGCTTCGTAGTCGT TGAACTGGCGCAGCAGCCAGTCGGCATCGCTGTATTCGAAGTTGTAGGTGGATTGCTCGA ${\tt CTTCGTTTTGGTGGTACACGTCGCCGTAGGTGACGGTGTTGCCGTCGAGCGTTTTTGCCC}$ AAACGAGGTCGT AGACGTTTTCTACACCTTGCAAGTACATCGCCAAGCGTTCGATGCCGT AGGTGATTTCGC CGAGTACGGGCGTGCAGTCGATGCCGCCGACTTGTTGGAAATAGGTAA **ACTGGGTTACTTCCATGCCGTTGAGCCAGACTTCCCAGCCCAAACCCCACGCGCCGAGGG** TGGGGTTTTCCCAGTCGTCTTCGACAAAGCGGATGTCGTGGACTTTGGGATCGATGCCCA CTTGGAATTGGT AATAGTGTTGCAGGCGGTTGGGGTTGTCGCCGTAGCGGCCGTCTTTGG GGCGGCGGCTGGGTTGGACGTAGGCGGCAAACCAAGGCTCGGGGCCGAGTGCGCGCAGGC AGGTGGCGGGATGGGATGTGCCGGCACCGACTTCCATGTCGAAGGGTTGGATGACGGTGC AGCCTTTGTCTGCCCAGAATGTTTGCAGTTTGAAGATGATTTGTTGGAAGGTAAGCATGG CTTATGATTCGATAAAATAAAGGGTTTATTTTACTGTTTCCATTGCTGTTTGGATAGGTT TATCTCAAAGACAGACTGATTTGAAAACACGGCATACATGATATAGTGGATTAAATTTAA **ACCAGTACAGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTCAAGCA** CCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATT TTTGTTAATCCGCTATATGTTTCGGTTAGGCGGCAGGCTGCCCTATTGAATACCTTAAAG CAGGCTATGCCTGCCAACGCCATATCCAAACACAGTCTTTAATTTAAATCCGGAAAATAA AAAGCACGACCAAACGGTCGTGCTTTTCCAAACCAAACAAGTTTATTTCTTGTGCGAACG CAAAGCCTTATCGTCTTTAGCTTGGGAAATGCCCGCTTCTGCGGCTTTTTTCGCCTCTTC CGCACGTGCCCGATCCATCTCCGCACTGCGGACGGCAACATCCGCCAAGACAGTTACTTT ATCAGGCTGTACTTCCAAAACACCGCCGGAAACAGCAACCAAAACCTCTTTATCCTCGCC CGGAACGGTCAAACGCAAAGCCCCCGGCCGCACCAAACTCATAATCGGCTCGTGTCGCGG ATAAATACCGAGTTCGCCCTGTACAGTCGGAACAACGATAAATGTTGCCTCGCCTGAATA GATTTTCTGCTCGCTACTTACCACCTCAACTTGCATGCTCATGCCGACCTCCTTAGT TTAAGGTTTTCGCTTCTCTACTGCTTCTTCAATGCTGCCGACCATATAGAATGCCTGCT CGGGCAGATGATCGTATTCGCCGTTCAAGATGGCTTTGAAGCCGGCAATGGTATCGCGCA GGGCGACATATTTACCCGGAGAACCTGTAAACACTTCGGCAACGTGGAACGGTTGGGACA GGAAGCGTTGGATTTTACGCGCACGCATTACGGTCAGTTTGTCTTCATCAGACAATTCGT CCATACCCAAGATGGCGATGATGTCGCGCAATTCTTTGTATTTTTGCAGGGTGGACTGCA CACCGCGCGCCACGTCGTAGTGCTCTTGACCCAATACCATCGGATCCAGTTGGCGCGAAG TAGAATCAAGCGGATCGACTGCCGGGTAAATACCCAAAGAGGCAATATCGCGGCTCAATA CAGGTACATATACGGCTTGGATGGAAGTAATAGAACCGGTTTGGGTAGAGGTAATACGCT CCTGCAAACGACCCATTTCTTCTGCCAATGTCGGTTGGTAGCCCACTGCAGACGGCATAC GACCCAACAATGCGGATACTTCGGTACCAGCCAGGGTGTAACGGTAGATGTTGTCCACGA AGAACAATACGTCGCGGCCTTTGCCGTTTTCGTCTTTTTCGTCACGGAAGTATTCCGCCA AAACCATTGCCACTTTATCCAATACGTTGGAATCTTTCATCTCGTGGTAGAAGTCGTTAC CTTCGCGGGTACGCTCACCCACGCCTGCGAACACGGACAAGCCGCTGTGCGCTTTGGCGA TGTTGTTGATCAATTCCATCATGTTCACGGTTTTACCCACACCGGCACCGCCGAACAGAC CTACTTTACCGCCTTTGGCAAACGGACACAGCAAGTCAATCACTTTAATGCCCGTTTCGA GCAATTCGGTTGTGGAAGACAGTTCGTCAAACTTAGGGGCAGCTTGGTGGATGGCACGGC TCTTGTCGGTATCGATCGGACCTGCTTCGTCAACAGGCGTTCCCAATACATCGACAATGC GTCCCAACGTACCTTTACCTACCGGCACAGTAATGGGCGCACCGGTATTGCTCACAGTCA TGCCGCGTTTCAAACCGTCCGAGCTGCCCATCGCAATGGCACGGACTACGCCGTCGCCCA

AAAGCTGTTGGACTTCCAAAGTCAGACCGTTTTCGTCTAATTTCAAAGCGTCGTAAACGC

GCGGAATCATGTCGCGTGGAAATTCCACGTCAACAACCGCACCGATAATTTGTACGATTT TGCCTTGGCTCATTATCGTATCCTAATTTCCGTACAGGATTCAGACGGCATCAGACAGCC GCCGCACCTGCTACAATTTCTGACAATTCCGTGGTAATCGCAGCTTGACGCGATTTGTTA TATACCAAACGCAACTCTTTGATGGCATTGCCTGCATTGTCTGTTGCAGCTTTCATGGCA ACCATGCGGGCTGCCTGTTCGGATGCCATATTGTCGCTCAACGCCTGATAAACCACAGAC TCTAAATAGCGGCGAACCAGATATTCCAACACTGCAAGTGCAGTCGGTTCGTAGCGGTAT TCCCAGCTGAACGGTGATTTGGGAGCTGAATCGCCAATCACGTTCTCACCGATAGGCAGC AATACTTCCATTCTCGGTTCTTGACGCATGGTATTGACAAAACCCGAATACACCAGATGG ATTCTGTCAATTTCATGTTTCTCATACCGTTGGAAGAGTTCTGTCAAAGGTCCGAGCAGC ATTTCCATTTTTGGGGTATCGCCCAAATTTACGGCACTGGCAACCACATTCAGACCAATG CTCTGACACGCCATCAGACCTTTACTGCCAAAGCATACGATTTCCTCTTCAATACCTTGA TTCCGATACTCTTGAACTTGTGCCAAAAACTTTTTCAGCACGTTGGCGTTCAAACCGCCA CACAAACCCTTATCAGACGTAATCAAAATAAAACCGACACGTCTGATTTCCCGATGAGAT TCCAGTAACGGAATACCATGATCGGTATTGGTTTGCGCAAGATGGCTCATCACCATACGC ACTTTTCGGCATACGGACGCGCCAAACGCATCCGTTCCTGAGTCTTCCGCATTTTAGAG GTTGACACCATCTGCATCGCTTTAGTGATCTTTTGGGTATTCTGAACACTGCGGATTTTG GTGAGAATCTCTTTTCCTACTGCCATTTCAGACTCCTTTCACTTCAAGCCTTATGCCTGA TAGGCGTAAGAAGATTTGAAGGATTTCATGGCTGCTTCAAGCGTTTTCTCGCTCTCGTCG GACATTGCACCTGAAGCATTGACGGCTTCCAAAACTTCCGGATGTTGGGTACGGACAAAG CTCAAAAATTCAGATTCAAAAGCCAGAGCTTTGGCAACCGGAACATCAGAATACGAACCG TTGTTGATTGCCCAAAGGGTCAAAGCCATTTCAGCCGTATTCAACGTACTGAACTGTTTC TGTTTCATCAGTTCGGTTACGACTTCGCCATGCTCCAATTGTTTGCGCGTAGCTTCATCC AAATCGGATGCAAATTGCGAGAACGCCGCCAATTCACGATATTGTGCCAACGCCAAACGG ATACCGCCACCCAGCTTTTTAATCACTTTGGTTTGTGCAGCACCGCCTACGCGGGATACG GAAATACCGGCATTGATTGCAGGACGGATACCGGCGTTGAAGAGGTCGGTTTCCAAGAAA ATCTGACCGTCGGTAATCGAAATGACGTTAGTCGGAACGAAAGCAGATACGTCGCCCGCT TGGGTTTCGATAATCGGCAACGCGGTCAGAGAACCGGTTTTGCCTTTTACTTCGCCGTTG GTCAATTTCTCCACTTCGTGTTCATTGACACGTGCCGCACGTTCCAACAGACGGGAGTGC AGGTAGAACACATCGCCGGGATAGGCTTCGCGGCCGGGCGGACGGCGCAAAAGCAGGGAA ATTTGACGGTAAGCCACAGCCTGTTTGGACAAATCGTCATAAACAATCAAGGCATCTTCG CCACGATCGCGGAAGAATTCACCCATCGTACAACCGGAGTAAGGTGCGATATATTGCAAT GCCGCCGCTTCAGATGCAGTTGCAGCAACCACGATGGTATGCTCCATCGCGCCATGCTCT TCCAATTTGCGGACCACGTTGGCAATAGAAGATGCTTTTTGACCGATAGCGACATAGATA CAGATAACACCCGTACCTTTTTGGTTGACGATGGCATCCAATGCTACGGCCGTTTTACCT ATCGCCTTCAGACCGGTTTGCATCGGCTGGTCAACCGATTTGCGCGCAATCACGCCCGGT GCGATTTTTTCGATAGGGGCGGTCAAAGTTGTATTAATCGGGCCTTTGCCGTCGATAGGC CGACCCAATGCATCAACGACGCGTCCGACCAGTTCGCGTCCGACCGGCACTTCCAAGATA CGACCGGTACAGGTAACCGTGTCGCCTTCTTTAATGTGTTCGTACTCGCCCAACACTACG GCGCCGACGGAGTCGCGCTCCAGGTTCATCGCCAAGCCGAAAGTGTTACCCGGGAATTCG AGCATCTCACCTTGCATTGCATCTGACAAACCATGGATGCGAACGATACCGTCAGTTACC TTAATCAAATCGCTAATTTCAGCAGGATTAAGCTGCATGAAAACTCTCCTAATTCGTCAT AGTCGTGTACAAGGCACTCAATTTGCCTTGTACAGACAAATCCAAAACCTGATCACCCAC TTCAACTTTTATGCCGCCAATCAGCTCCGGTTCGATTTCGACAGAGATTTTCAGCTCGCT GTCGAAACGCTTATTCAGCATTTGCACCAACTCGCCGACCTGTTTGTCGGTCAACGGATA GGCACTGTAAATGACGGCAGATTTGATATGGTTGAATGATAAGGTCAAGTCTTGATATTG AGCATATACTTCCGGCAATATCGACAAACGTTTCTGCCCGGCCAAGACGATAACAAAGTT TTTCAACTCCTTGTCTTTCAAACCGACCAAATCGATGAGGATATCTGCTTTTTCTGAAGC ATTCGTTTCAGGACGGTCAATCAATGAAGCCACCTTCCCTTGCAACAACCGCCGCAAG TTTTTCCAGTCCGCCCAACCAAGACTCAATTTGGTTTTTTTCCTGAGCCAGACCGAACAA TGCCTTTGCATAAGGTCTGGCAATCGTTGCGAACTCTGCCATAAGATTACAGCTCCTGTT TCAGGGTATCGAGCAGTTTTGCGTGTTTGGAAGCATCGACTTCGCTGCGCAAAATAGATT CGGCACCTTTGACAGCCAACACGGCAACCTGCTCGCGCAGGGATTCGCGTGCGCGGAACA ATTCCTGCTCCACATCGGCCTTTGCCTGAGCTGCAATGCGCGCCGCCTCGGAAGAAGCCT GTTCTTTGGCTTCTTCGACAATTTTGGCGGCACGTTTTTCGGCGTTGGCAACCATTTCGG AAACCTGATTACGCCCTTCTGCCAAGAGTTCTGCAACCTTTTTTTCAGCCTGCTCAAAAT CGCTTTTACCACGCTCGGCGGCAGCCAAGCCTTCGGCGACTTTTGCGGCACGCTCATCCA AAGCTTTTGCAATCGGCGGCCACACGAATTTCATGGTAAACCATACCAAACCGAAAAAGA CGATGATTTGAGCGAATAATGTTGCATTGATATTCACGTTACTTAACCTTCGTACTGGGG TTAATCAAACAGGCTGCGCCTGTACGGAACGGACGAATCCGTCCTGATTATGCACCTGCA AACGGGTTAACGAAGGCGAACAGCAGTGCAATGGCGACACCAATCAAGAATGCGGCATCA ATCAAACCGGCAATCAGGAACAGTTTGGTTTGCAGCGGACCGATCAGTTCGGGCTGACGG GCAGAAGACTCCAAATATTTAGAACCGACCATTGCGATACCGATAGAGGCACCCAATGCA CCCAATGCAACGATCAAACCACATGCGATAGCAATCAAACCCATTTTAAACTCCTTAAAG AAACAAAGGTTAAACTACAAAAACAAACTACTTAGGAAAATCAGTGCGCATCATGTGCCT GTCCGATATAGACGAACGCCAACGCCATGAAAATAAACGCCTGCAGGGTAATCACCAAAA TATGGARAATCGCCCATGCCAAACCGGCAATAATGTGGAATACAAACAGAATCGGATCCA CCAATTCGCCCGCATACATATTGCCGAACAACCGCATACCGTGGGATACGGTTTTAGAAA GAAACTCGACCAAATTCAACAGAAAGTTCGCAGGTGCGAGTTTTGCACCGAACGGCGCGC TGAACAACTCGTGAAACCAGCCACCCAATCCTTTGATTTTGATGTTGTAATAGATACAAA TCAGCAACACGCCGACAGCGAGTGCCAAAGTGGTGTTCAAATCGGCAGTCGGTACGACGC GCAGCAGGGCGTGATGGTTGCCGGTAATGCCCTGCCATACCATCGGCAGCAAATCGACCG GCAGCATATCCATCGCGTTCATCAGAAAAATCCAGACAAACAGCGTCAGACCCAACGGCG CGACGGCTTTTCTAGACTTTTCGTTGTGAATGATGCTCTTACACATATCGTCCACAAACT CAAACAAGATTTCCACTGCGGCCTGGAAACGTCCGGGAACGCCTGCCGTCGCTTTTTTTG CACCGCCCACAACAGAAAGCTGCCGATTACGCCCAACAGGACGGCAAAAAAGACGGCAT CAAGGTTAATAAACGAAAAATCAGCAATGTTTTTCAGTCCCTGACCCTGAGTAACATCCG ACAAACTGGTCAAGCTCTGCAAGTGGTGCTTGATGTAGTCGGCAGCGGTAATGGTTTCAC CTGCCATAATCTTTCACTCTCAACAATACTAAAAAAACCAAATGGCTGACACCGAGCAGC CCCATCAGAAACGGGGCGAACACCAGCGATTGATGCCATATTGCAAATACGGCAAGCATG GACAACAGCGACAGCACTACTTTTAAAATCTCTCCGAAGACGAACATCCTGCTTTGCAGG AAGGGGTTTCCCCTGAAAAGTTTTAAAAGTAAAACTGCAACAAACGTGGGAAGCAGGTAG GACAAACCGCCACCGACCGCCGAAAGGAATCCGGCAAAACCCCATACAGCAAAGGCAACT GCGGCGCATATGGACAATACGGCGGATTGTAGGATGATAATCTGCTTCATAAAGGGAATG TTTCCGCCTCGGATTTGGGGCGCGCTAATATAATTTAGAAGCCTTATTACGTCAAGCGA CAGTTAATCTTTGTGAAACAACGTATCCCAATCCGCCGCGCTCGCCGCCTGAATAACGGC GACAGGTGTCATTCTAACACACATTACATATAATTACAGGATATTAAGGAGTTTGTCCGC AATTTCTTTACA TTTTTAATGTTCTTACGTGATTTGTTTGCTTTACGTGGAAATAATAAA AAATCAACGCGAAATTGTAGCAGTTTATCGGTCGGATTGTCGGCAGTTTGGGGAATTTGC TCAATAAATAAAAGGTCGTCTGAAAATATTTTCAGACGACCTTTTCCGAATAAAGGATTA GCAACTGCCTGCCGCTTTAAGCAAAGCATTGCATTGACTTTTGCCTTTGTGCGTTCCGCC TCCCAAACAATTGCATCGGAAGTGGTAACGCCGATTGTGCTGATTACACTGGTAACATA GCATTGGCTCACGCGCTTACCCACAGTTGCGGTAAAGTTGATGCGTATGCCTTCATTGTT GCGGTTGCTGATTTTTACGGCATTTGGGCTGACGCCCAAGGCAAACGCGGCACGTTCCTG AAGTTTCTAGTCGGAAACGGTTACATTATTGATTGAGCCGCAACCTGCTAATGCCAACGC **AACGAACGCAGCCGAAACGATGATGCGTGTTCATAATTTCCTCGAAAATTAAAAATGA** AAACAGGAAAACGATTCTTACGTGAAGCAGAAAAAATGTCAATAGAATTATATTTCCCAC TTAAAATCTGGAAAGCTATTCTCTATATTTCAGACGGTATATCCCGCAAAATTAAGGCCG GTAATCTATGCCCAACTGCTCCAGCAGGTGGCCGAACGTTTCAGGCGTATCGAAATACAG GACAATCCTGCCTTTTTTGTGGTTGGCGGTTTTGACTTCAGCGTTGACACCCAGTTTTTC AGTCAGCAAATCATTCAGGCGGCCGATGTCGGCGGCGGCAGTCTTTTTGGGCTCGGGACG TTTGTTTTGAAGGGCGGCCTGGCTGCGGCGTTCGACTTCGCGCACCGACCAGCCGTTTTT GACGGCCTTTTGCGCCAATTCGAGCTGTTCGACGACGGCCAGGGTCAGCAATGCGCGGGC GTGCCCCATTTCGAGGCGGCGTTGGTAAAGCATTTCCTGCACGGGTTCGGGCAGGCTTAA AAGGCGCAGGCTGTTGGAAATCGCGCTTCGGCTTTTACCGACGGCTTGGGCGATGGTTTC GTGGGTCAGCCCGAACTCGTCGGCAAGGCGTTTCAAGCCTTGTGCTTCTTCGATGGGGTT GAGGTTTTCGCGCTGGAGGTTTTCGATCAAACCCATTGCCAATGCGGTTTCGTCGCTGAT GGTTTTGATAACGGCGGGATTTCGGTCAGGCCGGCAATCTGTGCGGCGCGCCAACGGCG TTCGCCTGCAATCAGTTCGTATCGGGACAGTCCGTGTTCGCGCACGATGACGGGCTGTAT CACGCCTTGCGCCTTAATCGAATCTGCCAGTTCCTGCAAGGCTTCGTCATCGATTTGAAC ACGCGCCTGATAGCGGCCGGGCCGGATATCTTTAACCGCAACCGTGGTCAATCGGTCGCC GCTGCTGTTGTCCGCGCCGTTGGCGAGCAGCGAATCCAAGCCGCGCCCCAATCCGCCTTT TACTTTTGCCATACCGCCCTCCCGTGCCTATTCAGATAGGATGTTAAATCGGGTATTTTA TCGGATATTGGGTGTTGCCGACAATTTGTATCCGCGTTTATCGGATTTCTGTTTTTTCAC TATAATAGCCGGTTTGCCGTTGCAGGCGGTTTTATGGGAAAGGCGGATGATGGTACGGCG TTTGATAATCGGCATCAGCGGGGCGAGCGGTTTCCAATACGGCGTGAAGGCTTTGGAACT TTTGCGCGCGCAAGATGTCGAAACGCACCTTGTGGTATCGAAAGGTGCGGAGATGGCGCG CGCTTCGGAAACGGCTTATGCGAGAGACGAGGTATATGCCTTGGCGGACTTCGTGCATCC GATCGGCAATATCGGGGCGTGCATTGCCAGCGGTACGTTTAAAACGGATGGGATGCTGGT CGCCCCTGTTCGATGCGGACGCTTGCCTCTGTCGCGCACGGCTTCGGCGACAATCTGCT GACGCGTGCGGCGGATGTGGTTTTGAAGGAAAGGCGGCGGCTGGTGCTGATGGTGCGCGA AACGCCGCTGAACCTTGCCCATTTGGACAATATGAAGCGGGTAACGGAAATGGGCGGCGT GGTGTTTCCCCCTGTTCCTGCGATGTACCGCAAACCGCAGACGGCGGACGACATAGTGGC GCACAGTGTTGCACACGCTTTGTCGCTGTTCGGAATCGATACGCCGGATTCGGCGGAATG GCAGGGAATGGCGGATTAAAGGACAAAAATGCCGTCTGAACACGGATACAGTTCAGACGG CATCATTTATACGACTGCCTTATTTGGCTGCGCCTTCATTCCATGCGGCAGGGGATTTG TAGCCCTCGAAGCGTTTGTGCGCGTAGGCTTTGAACGCGTCGGAGTTATAGGCCTCGGTT ACGTCTTTAAGCCATTGGCTGTCTTTGTCGGCGGTTTTGACGGCAGACCAGTTGACATAG GCAAAGCTCGGTTCTTGGAACAGGGCTTCGGTCAGCTTCATGCCGCTGCTTATGGCGTAG 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TCCCTGCCGCCGCGCTGTATGACAAAAGCCCGATGGCAAGCACGGTAATGCTGGAAACCA TGCCCGCGCGCGCTTCGTTCAAGAGGACTTTGCAGACGATGGCAATCGGCGGCGCACCCA TCGCGGCGGCGCTTCAATTACGCCTTTGGGGACTTCGCGCAGGTTTTGTTCCACCAGTC

GGGCAAAATAAAACAATCCCGACACGCTCAACACCAGCGAGGCGGCAACCGGACCGATGG TGCTGCCGACGATGGCGCGTGTGGCGGGTATCATCGCAATCATCAGGATGACGAAGGGGA AGGCGCGCATGAGGTTGACGAGGTTGTCGAGCAGGAAGTTCACCAGCTTGTTGTAATGCA GTTGGCGGCTGGAGGTTACGAAGAGCAGCACGCCCAGCAGCGTGCCGAAGATGACGGCGA ATGTGGTGGACAAGCCGACCATCACGAAGGTTTCGCCCAAGGCGCGGAAGATTTCGTCTT TCATGCCGACGATGGTGGAAACGGCTTGTTGGAATGTTAAGTCTGCCATATCAGTCCTCC CGAATCAGTTCGCGCCCGATGTCGGATTGGGCGTGGATTTGGTTGCCGCGTACTTCGACG ATTTCGACGACTTTGCCTTTATCCAAGAGGGCGGCGCGGTCGCACAGGCGGCGGATGACG CTCATTTCGTGGGTTACGATGACGATGGTTACGTTGAAGCGTTTGTTGATGTCTTCCAAA CATTCCAAGACGCTGCGCGTGGTGGCGGGGGTCGAGGGGGGGAAGTGGGTTCGTCTGCGAGG ATGACTTGGGGTTTGGGCGCGAGTGCGGGGGGGTGCCGACACGTTGTTTCTGCCCGCCG GAAAGCTGGGCGGGATAGTGGCCGGCGCGTTCGGTCAAGCCGACGATTTCAAGGCATTCT TTAACGCGCGCTTTGATTTTTCAGACGGCCATCCGGCGATTTCCAAAGGAAAGGCAACA TTGTCGGCAACGGTGCGGTTGCTCAAAAGATTAAACTGCTGAAACACCATGCCGATATTC TGCCGAGCCTGACGCAATGCGGCGGCATCGAGCGCGGTCAGCTCTTGTCCGCAGACGTTG ACCTTGCCGCTGTCGGGGCGTTCCAACAGGTTAATCAGGCGCAACAGGGTGGATTTGCCT GCACCCGAATAACCCATCAGCCCGAAGATTTCGCCGTCGCGGATTTCGAGGCTGGTCGGC TCGACGCCGCAAAACGGGTCTTGTCGCGCGTTTGGTAATGCTTGGAAACCTTGTCCAAA ATAATCATTGTCTTTCCCATACAACAAGCCCGATGTCGGACACAACGGGCGCGGAAGAT **AAAGCTGAAATTGTCGGAACGCTTTAGCTGTTATGCCCGCAAGCTGTGTCAAATCGGCAG** CAACCATTTCGGACAATGCCGTCTGAAACGGGCAAAGGCAGCGGTTCGCACCAAAACGGC AAATAATTGAAAAACATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAG ACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCT CTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATAAATTATGTC GGAAACATTCCAAAGGCGGTGCAGTTTCGGCATATAATTCGGGCAAACGCCTGTTCAGAC GGCATTTTGTCTTTTCCAACCCTGACCGTTCAGGGTTCCGATTCTTAAGGAAATCCGATG TACCTACCCTCTATGAAGCATTCCCTGCCGCTGCTGGCGGCCCTGGTGCTTGCCGCGTGT TCTTCGACAAACACACTGCCAGCCGGCAAGACCCCGGCAGACAATATAGAAACTGCCGAC GGCGGCTACCCGTCCGCACTGGATGCAGTGAAACAGAAAAACGATGCCGCCGTCGCCGCC TATTTGGAAAACGCCGGCGACAGCGCGATGGCGGAAAATGTCCGCAACGAGTGGCTGAAG TCTTTGGGCGCACGCAGACAGTGGACGCTGTTTGCACAGGAATACGCCAAACTCGAACCG GCAGGGCGCCCCAAGAAGTCGAATGCTACGCCGATTCGAGCCGCAACGACTATACGCGT GCCGCTGAACTGGTCAAAAATACGGGCAAACTGCCTTCGGGCTGCACCAAACTGTTGGAA CAGGCAGCCGCATCCGGCTTGTTGGACGGCAACGACGCCTGGAGGCGCGTGCGCGGACTG CTGGCCGGCCGCCAAACCACAGACGCACCCAACCTTGCCGCCGCATTGGGCAGCCCGTTT GACGGCGGTACACAAGGTTCGCGCGAATATGCCCTGTTGAACGTCATCGGCAAAGAAGCA CGCAAATCGCCGAATGCCGCCGCCCTGCTGTCCGAAATGGAAAGCGGTTTAAGCCTCGAA CAACGCAGTTTCGCGTGGGGCGTATTGGGGCATTATCAGTCGCAAAACCTCAATGTGCCT GCCGCCTTGGACTATTACGGCAAGGTTGCCGACCGCCGCCAACTGACCGACGACCAAATC GAGTGGTACGCCCGCCCCTTGCGCGCCCGACGTTGGGACGAGCTGGCCTCCGTTATC CGCGCCGCAACGGGCAACACGCAAGAGGCGGAAAAACTTTACAAACAGGCGGCAGCGACG GGCAGGAATTTTTATGCGGTGCTGGCAGGGGAAGAATTGGGTCGGAAAATCGATACGCGC AACAATGTGCCCGATGCCGGCAAAAACAGCGTCCGCCGCATGGCGGAAGACGGTGCAGTC AAACGCGCACTGGTACTGTTCCAAAACAGCCAATCTGCCGGTGATGCAAAAATGCGCCGT CAGGCTCAGGCGGAATGGCGTTTTGCCACACGCGGCTTTGACGAAGACAAGCTGCTGACC GCCGCGCAAACCGCGTTCGACCACGGTTTTTACGATATGGCGGTCAACAGCGCGGAACGC ACCGACCGCAAACTCAACTACACCTTGCGCTATATTTCGCCGTTTAAAGACACGGTAATC CGCCACGCGCAAAATGTTAATGTCGATCCGGCTTGGGTTTATGGGCTGATTCGTCAGGAA AGCCGCTTCGTTATAGGCGCGCAATCCCGCGTAGGCGCGCAGGGGCTGATGCAGGTTATG CCTGCCACCGCGCGAAATCGCCGGCAAAATCGGTATGGATGCCGCACAACTTTACACC GCCGACGGCAATATCCGTATGGGGACGTGGTATATGGCGGACACCAAACGCCGCCTGCAA AACAACGAAGTCCTCGCCACCGCAGGCTATAACGCCGGTCCCGGCAGGGCGCGCCGATGG CAGGCGGACACGCCCCCGAAGGCGCGGTATATGCCGAAACCATCCCGTTTTCCGAAACG CGCGACTATGTCAAAAAAGTGATGGCCAATGCCGCCTACTACGCCGCCCTCTTCGGCGCG CCGCACATCCCGCTCAAACAGCGTATGGGCATTGTTCCTGCACGCTGACGTACCGATGCC GTCTGAAACCCGCCCGGTCTTTCAGACGGCATTTTTATCCCGAACGGCATTGACGGCGAA CCATAAATATAAGACAATCCGAAAATTGTTTTTCCTGCTTTTTCAAGCAGCTTGACACGG CACAAGCCGACCCGTTAGGAGGTGATGTTTCCGTCACGGCGCGTATCCCGCCGCCGCAAG GCACAGCGATACGGTAAACTTTCAACACCGTCTGCCCTACCCTTTCCACCGATATGATGG GCAGATGAAACAACCGAATTTATTAAAGGAAATAAAATGCCTGCAATCCGCGTAAAAGAG **AATGAACCATTTGAAGTCGCTATGCGCCGTTTCAAACGCGCCGTAGAAAAAACCGGCCTG** CTGACCGAGCTGCGCGCGCGGAAGCCTACGAAAAACCGACTACCGAACGCAAACGCAAA AAAGCGGCAGCCGTAAAACGCCTGCAAAAACGCCTGCGCAGCCAACAACTGCCGCCCAAA ATGTACTAAACGTTCAAGTACAGATTACAGGTCAGCCCTGTGATATGAGGACACACCGCA AGACCTGCTCTGCGGTGTGTTTTGCTTTTCAGACGGCATCGAAACCCGCCGTTTCCATCC GACATCCCAGCGAGGACATCATGAGCCTGAAAATCCGCCTTACCGAAGACATGAAAACCG CGATGCGCGCCAAAGACCAAGTTTCCCTCGGCACCATCCGCCTCATCAACGCCGCCGTCA AACAGTTTGAAGTGGACGAACGCACCGAAGCCGACGATGCCAAAATCACCGCCATCCTGA ATTTGGCAGACAAAGAAAACGCCGAAATCGAGGTACTGCACCGCTACCTTCCCCAAATGC TTTCCGCCGGCGAAATCCGTACCGAGGTCGAAGCTGCCGTTGCCGAAACCGGCGCGCAG GTATGGCGGATATGGGTAAAGTCATGGGGCTGCTGAAAACCCGCCTCGCAGGTAAAGCCG

ACATGGGCGAAGTCAACAAAATCCTGAAAGCCGTGCTGACCGCCTGATTGCCCGAATATC GGACAAAATGCCGTCTGAAGCCCGTATCGCAGGTTCAGACGGCATTTTCAATATCCCAAT ATCGAATCGGCAGGGCAACACGGTTTTGATACGCCGAAACGGGTTTTGCCGATAAACAG ATTCCGTTTGCGCCCCATCGGACAAAATGCCGTCTGAAACACGATTCCGTTCAGACGGCA TAGATTTATTTGACCAATTTCAAGCCTTTTTTGGCGGGTCGGGGCGCGGTTTCGGCAGAG GTGTTTTCAGGC GGCGTATCGGGGCGGTACGCTTCCAACTCAAACCCCATACCTTCTCCG GTCTCCCGTGCGAAAAGGCTGAGGACGTGTCCGACAGGTATCCATATATCGTGCGCCTGT CCGCCGAAGCGGGCGGAAAAGCTGATCCAATCGTTGTCGATTTGAAGGTTTTGCGTGGCG GTCGCGCCGATGTTGAGCATAATTTCGTTGTCGCGGACGTACTGCATGGGGACGCGCGTG TGTTCGTTGACCCAGACAAGGATGTGCGGTGTGAGGCTGTTGTCGCTGCACCATTCGCAG AGGGCGCGGAGGATGTAGGGTTTGGTGGAAGTGGGCATAATGGGTTCCGTGTTGTACGCC **AAAATAGGAAAATGCCTGCAAAACGGTGGGTTTTGCAAGCATTTCGGACTTATTTGCGCA** TGGCTTTTTCGGCGGGTGTCAGTGCTTCGATAAAGGCTTCGCGCTGGAAGATGCGCTCGG CGTATTTGAGCAGCGGCGCGCACTTTTGCCCAGTTTGACATCGTAGTGGTCGAGCCGCC **ACAGCAGCGGAGCAAGGGCGACATCAATCATAGAAAAATCTTCGCCGAGGATGTATTTGC** TTTTGCTGAACG AAGGGGCAAGCATGGTCAGACCGTTGCCGATGGCTTCGCGCGCTTTTG CCTGTTCCTTGTTGGTGGCGGGGGGTTTTCTAACACTTGGACGTGGTTGAACAATTCTT TTTCCATACGGT ACAGCACCAGCCGGCCCCGACCGCGCATAACGGGATCGCCGGGCATCA GCTGCGGATGGGGGAAGCGTTCGTCAATGTATTCGTTGATGATATTGGACTCGTGCAGCA CCAAATCGCGCTCGACCAGCACGGGAACTTGGTTATACGGATTCATGACGGCGAGGTCTT CGGGTTTGTTGT AAATATCGACGTCTTTGATTTCAAAATCCATACCTTTTTCGTACAAAA CGAAGCGGCAGC GGTGGCTGAAGGGGCAGGTAATGCCGGAATAGAGGGTCATCATAATAA TTGTCGCTCCTGTGTGATGCCTGCAAAACGGCTGATTTATAGTGGATTAACAAAAACCAG TACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCGAG TGAATCGGTTCC GTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGT TAATCCACTATA TAAAGGTTTAATCGCGCAATTATACGCGATTTCCGGCACTTAATCCAG AAATTCGGCTCAATCTGTTGTTTTTTTATATTTTTCCCCGATTTTCCGTATCAGTGCGAA CTTACTGTCTTTGTTGCGCGGACGCGCACCCTGCCAAACCGTCTGCCAGCCTTGCGGCGC ATCCGCATTTTGGGGCAGGAGGACGATGCGGTAGCGGCATTGTACATCGCCGACGCGGTG CGGCAATGTGCCGTACTGCGTCCAAACAATCCGCGTGTGCAGGTCGCCGCCGCCTATGCC GATACACTCGAT GCCGTCTGAAAGCTCCCGTTTCAATTCCGGGGAAAGCGATGCCTCCAT ACTCCGGACGAC CGGCGCGTGGCTTTTCGCCGCGTCCAGCCACGGCAGGAACAGCGTCAT TATGTTTTCCGGGTAATCGCCCACAGCCACAAGGGTGTGAACAGTACGGCAACCGCCAT CGGAATGGGATC GATATCAGGAACATAATACGGGCTGAAATAGGCGGCGCGTTCGGCAAG CTTGGCGGGCCA GCCGTAATTCATGGCGAAAAAGCCCGTCCACAGGAACACGGCAAACAG TCCGAACGCCATAATGCCGAACCAGTTGACAAACGCCGCCGCGCCGCGCCTCAGGCTGTC CAGTTGCGCCGCGCCGAACAGGGCAAGCGGCGGAAGCAGCCAGACGAGGTTATCCTGAAA ACGCTGCGGATT GACGGCAAGCACCAAAACGGCAAGCATCCAGACGACGCCCAAAAT CCCCCAGTCGGT CGAAAACAGGCGCGTGCGGCAAACCGTCCAAACCGCCAGCGGCAGCGC GGGCAATGCAAA CCAAAGCAGGTTTTTCAGATAGTAAAACAAACTGAATGCCGTCTGAAC GTGCCGCACGCCGCCGAACGTACCGAAAACGTGATAGTCGAGCCATTGCGCGAACAGCGC GGGCTGCGTTTTTGCCAAGAGCAGCGGGTAAACGGTCATAAGCGGCAGGGCAAAGGCAAG TGAGGCGACTGC CGTCAACATCAAACGCCTGCTTTGCCACGGACGGAAAAACATCAGTAC GGGCAAGGGCAGCATCAGGGCAAATGCTGCCGGATAAGCTGCTGCCAACGACATCAGCGT CCAGCCGTACC GAGCAGAAAAGAGGCGGCAATCACGCGCCGCGAGCCAAAGAATAACC GTGCAGCACCAGTCCGGCGGCGAAAGGCGGCGGCAGCGGGGTTGAGGAAATGGGCAAC TGGAATCAGCCCGATACAGCCGATGAGAATCAGGACGACGCTGCGCCCGTGGTGTCTGCC CAAAAAGTTGAAACCGGCAAAGCCGCAGGAAGTCAGTCCGATAACGGCAAAAAATACGCC TGCAAAGCGTGCGGCATCGTATGAGTCGGCAGCCCACGGCGACAGCAAATGTTTGAACGC GGCGGCAACCCAAAGATACACGGGCGGTATGCCGAAATCGGTTTGACCGAACAGATGGGC AACCAAGGGGGT GGGGCTGCCTGCCAGTGCTTCGACGGCGGTATAGACGGCAGGTTCGTC AGGATTCCACAAATCGTGGGAAAACACGCCGGGCCACAACCAGGCAAACGCCATCAACAG CAGCATAAGCGTGAGAAAAAATGGACGGATTGCCAAGTGTAGCAAATATTCGCACAAAGG TCGTGCAGAGACTGCTTCAGACGGCATCAGACACAAAAAGACCGGCAACAAAAAAGACTG CACATGGCAGTCTTTGCAGATACTATCTTTTTCATAATATTTTTTCCTAGCCCAACACAG CAACAGCAACAAACCATCTGCTATATTTTTCCAAAGTTTCTCCAACAGAAGGGACTTGTG ${\tt CTATCAAATTCGCTAAATTTAAGGTAGTAAAATATGGGACAAAGACACCAATATTGTCAG}$ CACCACAACTTGCAAAAGTAATCATAGCGACTAGAAAAATCAGGTTTTTATTATCTTTGC GCAAACCCTCTTTGGCAATAGCCTCTCCATCAGAATCTCCTAAAAGCAAAACTTTGATGC CTAGGAGAATTGGAATCAAGCCGAGCAAACCTAAAATCTCTTTACTAGGAATATAATCTA AGACAAATGCAAAAAGTAAACTTAGCAATATCAGACTAACAGAGCCTAGAAATTGTCCTA AATAGATGTTAA TGATGTCTTTTCTACTTTTTCTTTTGGCAAAAAATAACATTAGGATAA TAAGTAAGTCTA CGGCTGTCCCAGAATACAGGATTATTGAAGTAACGACATTTTGAATCA TAAAACATCTCATTCAAATATATTTTTAAATGTATTCAAACATTAAACCTTGTAGATGTC **AACTTCAACCCCGTCAAAATATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCT** TAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTA TTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATAGATA AGAAGTCAGTGTGCCAAATATTAAAAAGCCCTGCCATCGAAATGATGGCAGGGCTTAATT CTTGCAAAGCGGCAATCAGCGTTTGAACAGGTTGCCGAATTTGTTGTTGAATTTGTCCAC GCGGCCGGTGGTATCAACGATTTTTTGGGTGCCGGTATAGAACGGGTGGCACAGGGAGCA **AACCTCGATATTGAAGTTTTCTTTTTCCATCGCGGATTTGGTTGCGAATTTGTTGCCGCA**

AGAGCAGGTAACGTTGACTTCGTGGTAGTTCGGGTGAATACCTTGTTTCATTTGATTTCC TTTCAAAAAAGCGGGCATAGGGGATGTACCTATGCTACAGACAAGTCCGACATTCTCGCT ATTTTCTGTTGTTACGTCAAGAGTATATTCGATAAAATGTATAGTGGATTAACAAAAACC AGTACAGCGTTGCCCTTGCCGTACTATCTGTACTGTCTGCGGCTTCGTTGCCTTGT ATCGGCATCGTCGCAGACGGGTGCGCGGTTTTTTGGCGCGGGGGTTTCTCCGCATATC GGACGCGGGGTCAATATCGAACGCGGGGCGTATGTGTTTCCGGATACGGTTTTGGGCGAC GGCTCGGGCATCGGGGCAAACTGTGAAATCTGCCGTGGGCTGGTGGTCGGCAAAAATGTG ATGATGGAGCCGGAATGTCTGTTTTATTCAAATAACCACAAGTTTGACCGTTCAAAAAAC GCTTTGAGGGCTACACGGAAATCCGTCCGATTACGTTGGAGGACGATGTCTGGCCGGGGC ACAGGGTGATTGTAATGGCGGGCGTAACCGTCGGACGCGGTTCGGTCGTGGGCGCAGCGC AAAGAATCTGCCGGAAGGTTGAATGCCGTCTGAACGTGTCGGGGCGGATGATCTGAAAAA ACAGGAACATCGTTTCTGTTTTTTGCGCTTCAGACGGCATCGCTATTGCGCCACGCGGTA TCGATTTCTTGGTAGAGTTTGCCGAAATCGGGTTCGCCGACGTAGGTTTTGAGGATTTCG CCTTTTTTGCCGATAAGGACGGAAGTCGGATAAACCTGTGTGCCGAACGCCTGTCCGACA GCTTTGTCCGCATCATACATGACGGTAAACGGCAAACCGTAGTCTTTGACATATTGGCGG ACGCTTTCTATCGGATCGATGGGCTGGGCGACGGCAAGTACTTGGAAGTTTTTGTTTTTA TAGTCATTTGCCGTTTTAATGATTTTGGGCATTTCGCTCACACACCCGGACAGGAGGGA AACCAAAAATTAATCAGGGTTACTTTGCCTTGCAGGTCGGCGTTGGAAACGGTTTTTCCG TGCAGGTCGGGCAGGGAGAAGGCGGGGCGCGGTTTTGCTGTCGGGGATGAGGACGATGGCA AGGAGGATGCCGATCAGTGCGACGACGGCGGCGGTGAGTATTTTTTTCATTCGGACAAGG CTTCCAATGCGCGGGCAAGGGTGGCGGGCAGGCTGACGGTGCGTTGTGTGGCGGCGTGGA CGGGCATCAGGGTGATGTCGGCTTCTGCGGCGGTTTTGCCGTTTGGCAGTGTAATCGTCT GGGTCAGCACAA TACGGCGCGTGCCGGGGGTTTTCAGGCGGCATGAAAACTGCAATACGT CGCCTTCGACGGCGGGCGGCTGTATCGGATGTCGATGCGGGCGACAATCAGTATGAGGC CTGCCAACTCGTGCAGCAGTCCGCGTTCTTCAAAAAACGCCCCAGCGCGCTTCTTCGAAAA ATTCGAGGTAGCGCGCATTGTTGACATGGCCGTAGCCGTCGAGATGGTAGTTGCGGACGG TCAGCTTCATCAGTTCAGGTTGATGGGTTGGAAGGCTTCGCGGGCAAGCGGTTCGTGTTC GAGGTCGGTGATGACGGTAGAAAGCTGGATGTCGAACCATTCGTTGAAAATGTCGGCATC GAGCGCAGGCCACTCGCGTTCGTCTTCGCACCAGTCGGCAAGTTCGGCGGCGAAAATGTC TTCAAAACGGGCTTCGATTTCGTCCCATACTTCGTCGGCGGTTTCGCACGGGCGGACAAG CAGGGTTTGCAGCCAGTTCCAAAAAGGTTCTAAAGGGATGAGGACGAATACGCTGCGGTT GACTTCGTACATGGTTTTTCCTTTGCTGTCGCGCGGTATGCGCAAAAAAGAGATTATAGC CCAATCTGTGGTTTCGGACTGTCCGTTCCGACAGAAGGGAATGCCGTCCGAACACGGATT TTCAGACGGCATGGCTTTAAGGTTGTGTTCCAGGTTGCGTTTCGGCTTCCCCTGCTGCTT CTGCCTGTGTTTCGGATACGGAATCTTCTTGAACGGCAGTTTCCGCCGCCGCCGGTTTCGG CACTTTCGACCAATTCGTCGATGTCGATGTTATCTTCCGTACCTTCGGCAGGTGTTGCAC CGGTCTGCCGCGCACGGACTTTCATATAGAGGTCGCGCGTGTAGCTGTATTTGTCGATGG CGGCTTCGTCCAGACTGTCGGTCAAATCGAGCAGGCCTTCGCGCGTACTGACGGCGGATA CGGCAGTCGTGCCCCAGCGTCCGACAGGGGTGCGGAAGACGATATTCTTGGGCGAATAAA CGGAGGTAATACCCGTGCCGAGCGCGTCGCGGACGGTGGACGGCCCTAAGACGGGCAACA CGAAATAATTGCTGTTTTTCCATCCCCACGAGGCAAACGTGTCGCCCAAGGTGTTTTTAT TGATGCCGACGCGGACAAGGTCTTCGCTTGCGCGTTTGATGTCCAAGCGCAAGATATTGC TGCCGAAGCTGACCACGTCGCACAGGTTGTTAAAAAAATTGGACACGCCGGCGGGACGG CGGCAAATGCAGGGGCGGAAGCGAACCCGATCAGCAGGAGGAAGGCATAGGCGGTTTTTT AATGCCGGTCAGCCTGACGCTGCCTTTGCAACCGCGCAGCACTTCGAGCAGCAGCAGCACAC GCAGGCGGAATCGGCGCGCTCCGACGCCGCTCAAATCAACCGCGCAGGTGTCTTTCAGACG ACATTGCTGTCTGAAGCGGGTAAAAGCGGCGGCGGTCAGGGTTTTGACGGTGATGTCGCC GCCGATGTGCAATATTCCGTTTTTGAGTTCTGTATGCATAGCGTTTGCTCGGAAAACCCA TACCGCCCTCGGACGGTATGGTTTGTCGGTTATTTGCCGCCGTTTTTTGGCTTTCAACTCG GCAATCAGTCCGTCCACGCCTTTCGCTTTGATAATTTCGCCGAATTGGTTGCGGTACACG GTAACCAGGCTCGCGCCTTCGATGCCGACGTTGTAGGTACGGTATTTACCGCCGCTTTGG TAGGTGGTGAAGTCCATGTTGACGGGTTTTTGCCCGGGTACGCCGACTTCGGCGCGGACG ATGATTTCTTTGCCGCCTTTATTGACGATGGGATTGTCTTTGACGTTGACGTTGGCGTTT TTTAATTTCAGCATCGTGCCGGAATAGGTGCGGATCAGCAGGGTTTGAAATTCTTTGGCC AACGCTTGTTTTTGCGCGTCGGACGCGGTGCGCCAAGGGTTGCCGACCGCCAATGCGGTC ATACGTTGGAAATCGAAATAGGGAATCGCATAGGCTTCGGCTTTTTGGCGAGCGGTGTTG GCATCGCCGTTTTTTAAGATGCTCAATACTTGAGTGGCGTTTTGACGGATTTGGCTTACC GCGTCGGCAGGGGCGCAAATGCCATGCCGATGCTCAAAATACCGATGCCCAATGCGCTG ATGAGGGAGGATTTTTCATGATTAAGTGTCCTAGTTTGAATATGATGGCATACGTTTAT TCGGCGGCTTTTTCCGCATTGCCGCCGTCGGCATTTTTCTCGGCAAAACTCGTCATGAAT TTGCCGATAAGGTTTTCCAGAACCATTGCAGAACTGGTTACGGAGATGGTGTCGCCGGCA GCAAGGTTTTCCGTGTCGCCGCCCTGCTGCAGCCCGATGTACTGCTCGCCCAAAAGTCCC GAAGTCAGGATTTGCGCGGAAACGTCGCTGCTGAACTGATACTTGCCGTCCAAATCGAGG CGCACCCTCGCCTGATAGGATTTCGGGTCAAGTCCGATAGCGCCCGACGCCCCGACCAAT ACGCCTGCGGATTTGACGGGGGCATTGACCTTCAAACCGCCGATGTCGCCGAAATCGGCA . TAAACGGCGTAAGTTTTGTCCGAACCGCCGAACGCCGCACCGCCGGCCACGCGGAAAGCG AGAAAGGCAACCGCCGCCGCCCAATCAGGACGAACAGTCCGACCCAAAATTCCAATATG

TTCTTTTCATT AAAGTTCCTTGAATATCCGATGTTCCGCGTTTCGTCTTCAGACGGCCT GTCAATCTGTAA.ACATCCACGCGGTCAATATAAAATCGACCGCCAAAATCGTCAGGGCGG ACGAAACCACCGTGCGCGTGCTGCGCGCAAAATGCCTTCCGAAGTCGGGACGCAATGGA AGCCCTGATGCACGGCAATCAGCGTTACCGCCACGCCGAACGCGGCGGATTTGATCAGAC CGTTGATTACATCGTAATGTATCGTGATGTTGTTCTGCATTTGCGACCAGAAAATACCGC TGTCCAAGCCCAGCCAGGTTACACCAACCAAATACGCACCGAAAATGCCCGCCACGTTGA AAATCGAAGCCAAAAGCGGCATGGAAAACACGCCCGCCCAAAAGCGCGGCGCAACCACGC GGGCGACAGGGT TTACCGCCATCACATTCATCGCTTCGAGCTGTTCGGTCGTTTTCATCA CCGGACCCAGCTCGCGCAATAGCGAAGCCGCGACCATATAGCCCAAAATATCGGCGGATT TGAATTTCGACAACTGCGTATAGCCCTGTAAACCCAAGACCATGCCGACAAACAGCCCCG AAACGGCAACAA TCAACACCGACAGCACACCGGCGAAATACACTTGGCGCACGCTCAGGC GCGGACGACGAAAGCCGTACCGGACTTCGCCAGAATGTTCAGCAGAAACAGCGTGATAC TGCCGAGGGATTGAATAAGGCCGAGGGTTTTCGCCCCGACGGAACGGATAAAGTTCATAA ATTTCTATGTGTAAAGTTCAACGGTTTCAGACGGCATCAACTCATTTATCCCAACAGGTC CTGCTGCAACGACGTTTGCGCCGGATAACGGTATGCTACGGGGCCGTCTGCCAGCCCGCC GACAAACTGGCGCACCCAAGGCGAATCCAGTTCGCGCATTTCCTGCGGCGAGCCGGAGAA CATAATTTCGCCGTGCGCCAAGAAATCACCTGATCGACGATTTCCAAAGATTTTTCAAT GTCGTGCGTTACCATAATACTGGTCGAACGCAAAGCCTTGTTGACGCGGCTGATCAAGTG GGCAATCACGCCCAAGGAAATCGGATCGAGGCCGGTAAACGGCTCGTCGTACAACATAAT TTCAGGGTCGAGCGCAATCGTGCGGGCAAGCGCGACGCGGCGCGACATCCCGCCGGACAA CTCGGACGGCAT CAGGTTTTCCACACCGCGCAGACCGACCGCGTTCAATTTCAACAAAAC CAAATCCCGAATCACCGCTTCCGGCAGGCGCGTCAGTTCGCGCATCGGAAAAGCGATATT GTCGAATACCGACAAATCAGTAAACAGCGCGCCGTGTTGGAACAATACGCCCATACGGCG CTGCCCGGACTGCGGACGAATCTGTCCTGTAATCAGTCGCATCAGCGTGGTTTTGCCGCT GCCCGAACCGCCCATTACGGCAGCAAAATTGCCTTGCGGAATGCTGAAATTGATGTTCTT CAGAATCGGGCGGTCGCCATACGCGAAGGCGACGTCTTTCATTTCGATAAAGGGGGATGG GCTCATGTACGGACGGACGGTAGGTTTGACGGCGTGTATTTTAAGGCTTATCGGGAAGAC GGGCAATTTTCAGACGGCATACGGACGGTAAATGTTGTGAAAATGCCGTTGTCGGCGGCG GATTGTTTGCTGTGGCGAAAAATGTTATCTTTCAAATGATAACCTTTATCAGAAAACTAT GGAAAAAGCAGAACATTTGAACAGCAGCCGGTTCGTCAATCTAGTCAAAAGCGGCGGCGG CGGCACAGTAACGGCACGGTGTGATTTTTGCAGCAGCCGCCTCGCCGAACCTTATGTGTC GTTCGTGCTCTTGCTGGAAGGCAGTTTGGACTTCGGCATCAACCGCTGCCGCTTCCAAAT CGATGCGGACGCGGCAAGATTGTCCTAATTGCTGTCGGGGAAGAAGTCCTGTTCAGCCG CTATCTTTACCGAGGCGGCAAAACGGTCAAAATGACCATTAAAGGTATGGAACAATGGCT GCTGCGTCCGGAATACGCGCGTTTCGCACCCCTGCTTTACCGCGAACCGGTCAGGATATG GCATTTGGGCGAAACATTGCGCCGCGAGGCGGACGTGTTGCGGCTGCTGTCGGACTTGTG GGACACGGTTTCAGACGGCATCGGGCCGGCGGCGGGGCAAACGGCGGAAGCAGACGCTAT GCCGTCTGAAGACTTCAGCCGCACCCTAAATGCCGCGTTTGCCGACGGCGCACACCAAGT CAACCGGCTGACAGACGCCGTGAACATCAGTGAAAGGACGCTGCAACGCCGTATGCGCGA TCTGTTGCAAAACGGGGGAAAAAGCATAGGCGAAACCGCATATTTATGCGGCTACCGCCA CGTTTCCAGCTTTACTCAGGCATTCAGGCAATATTTCGGCAGCACGCCTGCGGAAACCAA AAAAGAAAACCGGTAAGCCGCATTTGATTTCAAACCCGAAATCCGCGTGTATAGTGGATT **AACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAAGTGC** TCAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGT **AAACTACATCTAACTACAAAACTGGAGAACCCGAAATGAAACAATTGGCCATGTACATCA** ACGGACGCTTTGAAAACGATTTCAACGGCGAATGGCGCGACGTATTGAACCCGTCCACCG AAGAGGCCATCGCCCGCGAACCCAAAGGCGGCAAGGCGGACGTTGACCGCGCCGTCGCGG CGGCGCGTGCGGCGAACCGGCTTGGGAGCGTCTGCCTGCGGTCGAACGCGGCGCGTATT TGCGTAAAATCGCCCAAGGCATACGCGAACGTGCCGACGAGCTGACCGACACCATCGTTG CCGAAGGCGGCAAAACCAAAGACTTGGCACGCGTGGAAGTCATGTTCACCGCCGACTATC TCGATTATCAGGCCGAATGGGCGCGCCGCTACGAAGGCGAAATCATCCAAAGCGACCGCC CGCGCGAAAATATTTTATTGTTCAAACGTCCGCTGGGCGTAATTGCCGGCATTTTGCCGT GGAACTTCCCCTTCTTCCTGATTGCCCGCAAAATGGGCCCCGCTTTGGTAACGGGCAACA CCATCGTCGTCAAACCCAGCAGCGTAACCCCGATCAACTGCCACATCTTCGCCGAAATCG TCGATGCGGTCGGACTGCCCGCAGGCGTGTTCAACGTGGTGAACGGTCCCGGCGCGGAAA TCGGCAATGCCTTGTCCGCCCATCCGCAAGTCGATATGGTCAGCCTGACCGGCTCCGTCG AAGCAGGCCGCCAAGTGATGGAAGCCGCCTCCGCCAACATCACCAAAGTTTCGCTGGAAC TCGGCGGCAAAGCGCCTGCCATCGTTTTGAAAGATGCGGATTTGGACTTGGCGGTGAAAT CCATCTTGGCTTCGCGCTCGGCAACACCGGTCAAATCTGCAACTGCGCCGAGCGCGTCT ATGTCCACAGCAGTCTGAAAGACGCATTCATTGAAAAAATGACCGCCGCGATGAAAGGCG TGCGCTACGGCAACCCTGCCGAAGCCGAAGCAGGCGCGCTGGAAATGGGCCCGCTGATTG **AAGAACGCGCCGTCAAAGCCGTTGCCGAAAAAGTGGAACGGGCAGTCAAACAAGGTGCGA** AATTGGTTTGCGGCGCCAAACGCGCCGAAGGACGCGGTTATTTCTTCGAGCCGACCCTGC TGACCGACACCGACAACAGTATGGACATTATGAAAGAAGAAACCTTCGGCCCCGTGCTGC CCGTTTCCGCTTTCGACACGCTCGACCAAGTCATCGCCTTGGCAAACGATTGCGAGTTTG GTCTGACCAGTTCTGTTTATACGACTAATTTAAACGAAGCCTTCTACGTTACCCGCCGCC TGCAATTCGGCGAAACCTACATCAACCGCGAAAACTTTGAAGCGATGCAGGGTTTCCACG CCGGTTGGAAAAATCCGGTATCGGCGGCGCGGCGCAAACACGGTTTGGAAGAATATC TGCAAACCCAAGTCGTTTATTTGGAAACCGACATTTAATGCCGCTTTAAAACCCCGATAG

AAAATGCCGTCT GAACCCGTTTTCAGGTTCAGACGGCATTTTTATTGCTTCACCGGCAAT CAGTCATGACCGAGGTCGATGTTTTTGTCTTTGTATAGTGGATTAACAAAAATCAGGACA AGGCGGCGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTCGGTGCTTCAGCA CCTTAGAGAATCGTTCTCTCGAGCTAAGGCGAGGCAACGCTGTACTGGTTTTTGTTAAT CCGCTATATTCCGCCATCTCTAAGATTTACAGCGATACACGGGTAATTTAAGGAATGCCC AAACCGTCATTCCCGCCACTTTTCGTCATTCCCGCGAAAGCGGGAATCTAGAATCTCGGA CTTTCAGATAAT CTTTGAATATTGCTGTTGTTCTAAGGTCTAGATTCCCGCCTGCGCGGG AATGACAAATCCATCCGCACGGAAACCTGCACCACGTCATTCCCACGAACCCACATCCCG TCATTCCCACGG AAGTGGGAATCTAGAAATAAAAAGCAACAGGCATTTATCGGAAATAAC TGAAACCGAACA GACCTAGATTCCCGCCTGCGGGGAATGACGGCTGCAGATGCCCGACG GTCTTTATAGCGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAGAT AGTACGGAACCGATTCACTTGTTAAAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGC CGTACTGGTTTTTGTTCATCCACTATAACTAGGGAAATTCAAATTAAGTTAGAATTATCC CTATGAGAAAA GCCGTCTAAGCCGGTATAAACAAAATAAACTCATTGAGCTATTTGTCG AAAGTTCAAATTTCCATTTTAAAACAATTAGTAAAATCGAGTTTATCCTAGTTGTCCAAG ACAACCCCTATA.ATAATATAATTCAAAATATAAAAATGGGTTACATCTAAACATTACGGA ATTTTTATTCCCTCGCCTGAATTCTATTGTCAGATTCAAGGAGACCTCATCATGCGAACG ACCCCAACCTTCCCTACAAAACTTTCAAACCGACTGCCATGGCGTTAGCTGTTGCAACA ACACTTTCTGCCTGCTTAGGCGGCGGGGGGGGGGGGCACTTCTGCGCCCGACTTCAATGCA GGCGGTACCGGTATCGGCAGCAACAGCAGCAACAACAGCGAAATCAGCAGCAGTATCT TACGCCGGTATCAAGAACGAAATGTGCAAAGACAGAAGCATGCTCTGTGCCGGTCGGGAT GGAGACTTTCCA.AACCCAAATGACGCATACAAGAATTTGATCAACCTCAAACCTGCAATT GAAGCAGGCTAT ACAGGACGCGGGGTAGAGGTAGGTATCGTCGACACAGGCGAATCCGTC GGCAGCATATCCTTTCCCGAACTGTATGGCAGAAAAGAACACGGCTATAACGAAAATTAC GAAGCTTCTTTCGACGATGAGGCCGTTATAGAGACTGAAGCAAAGCCGACGGATATCCGC GACGGCAGACCTGCAGGCGGTATTGCGCCCGATGCGACGCTACACATAATGAATACGAAT GATGAAACCAAGAACGAAATGATGGTTGCAGCCATCCGCAATGCATGGGTCAAGCTGGGC CACCTTTTCCAAATAGCCAATTCGGAGGAGCAGTACCGCCAAGCGTTGCTCGACTATTCC GGCGGTGATAAAACAGACGAGGGTATCCGCCTGATGCAACAGAGCGATTACGGCAACCTG TCCTACCACATCCGTAATAAAAACATGCTTTTCATCTTTTCGACAGGCAATGACGCACAA GCTCAGCCCAACACATATGCCCTATTGCCATTTTATGAAAAAGACGCTCAAAAAGGCATT ATCACAGTCGCAGGCGTAGACCGCAGTGGAGAAAAGTTCAAACGGGAAATGTATGGAGAA CCGGGTACAGAACCGCTTGAGTATGGCTCCAACCATTGCGGAATTACTGCCATGTGGTGC CTGTCGGCACCCTATGAAGCAAGCGTCCGTTTCACCCGTACAAACCCGATTCAAATTGCC GGAACATCCTTTTCCGCACCCATCGTAACCGGCACGGCGGCTCTGCTGCTGCAGAAATAC CCGTGGATGAGCAACGAÇAACCTGCGTACCACGTTGCTGACGACGGCTCAGGACATCGGT GCAGTCGGCGTGGACAGCAAGTTCGGCTGGGGACTGCTGGATGCGGGTAAGGCCATGAAC GGACCCGCGTCCTTTCCGTTCGGCGACTTTACCGCCGATACGAAAGGTACATCCGATATT GCCTACTCCTTCCGTAACGACATTTCAGGCACGGGCGGCCTGATCAAAAAAGGCGGCAGC CAACTGCAACTGCACGGCAACAACACCTATACGGGCAAAACCATTATCGAAGGCGGTTCG CTGGTGTTGTAC GGCAACAACAAATCGGATATGCGCGTCGAAACCAAAGGTGCGCTGATT TATAACGGGGCGGCATCCGGCGGCAGCCTGAACAGCGACGGCATTGTCTATCTGGCAGAT ACCGACCAATCCGGCGCAAACGAAACCGTACACATCAAAGGCAGTCTGCAGCTGGACGGC AAAGGTACGCTGTACACACGTTTGGGCAAACTGCTGAAAGTGGACGGTACGGCGATTATC GGCGGCAAGCTGTACATGTCGGCACGCGGCAAGGGGCAGGCTATCTCAACAGTACCGGA ATCGAAACCGACGGCGGCCTGCTGGCTTCCCTCGACAGCGTCGAAAAAAACAGCGGGCAGT GAAGGCGACACGCTGTCCTATTATGTCCGTCGCGGCAATGCGGCACGGACTGCTTCGGCA GCGGCACATTCCGCGCCCGCCGGTCTGAAACACGCCGTAGAACAGGGCGGCAGCAATCTG GAAAACCTGATGGTCGAACTGGATGCCTCCGAATCATCCGCAACACCCGAGACGGTTGAA ACTGCGGCAGCCGACCGCACAGATATGCCGGGCATCCGCCCCTACGGCGCAACTTTCCGC GCAGCGGCAGCCGTACAGCATGCGAATGCCGCCGACGGTGTACGCATCTTCAACAGTCTC GCCGCTACCGTCTATGCCGACAGTACCGCCGCCCATGCCGATATGCAGGGACGCCGCCTG AAAGCCGTATCGGACGGGTTGGACCACAACGGCACGGGTCTGCGCGTCATCGCGCAAACC CAACAGGACGGTGGAACGTGGGAACAGGGCGGTGTTGAAGGCAAAATGCGCGGCAGTACC CAAACCGTCGGCATTGCCGCGAAAACCGGCGAAAATACGACAGCAGCCGCCACACTGGGC ATGGGACGCAGCACATGGAGCGAAAACAGTGCAAATGCAAAAACCGACAGCATTAGTCTG TTTGCAGGCATACGGCACGATGCGGGCGATATCGGCTATCTCAAAGGCCTGTTCTCCTAC GGACGCTACAAAAACAGCATCAGCCGCAGCACCGGTGCGGACGAACATGCGGAAGGCAGC GTCAACGGCACGCTGATGCAGCTGGGCGCACTGGGCGGTGTCAACGTTCCGTTTGCCGCA ACGGGAGATTTGACGGTCGAAGGCGGTCTGCGCTACGACCTGCTCAAACAGGATGCATTC GCCGAAAAAGGCAGTGCTTTGGGCTGGAGCGGCAACAGCCTCACTGAAGGCACGCTGGTC GGACTCGCGGGTCTGAAGCTGTCGCAACCCTTGAGCGATAAAGCCGTCCTGTTTGCAACG GCGGGCGTGGAACGCGACCTGAACGGACGCGACTACACGGTAACGGGCGGCTTTACCGGC GCGACTGCAGCAACCGGCAAGACGGGGGCACGCAATATGCCGCACACCCGTCTGGTTGCC GGCCTGGGCGCGGATGTCGAATTCGGCAACGGCTGGAACGGCTTGGCACGTTACAGCTAC GCCGGTTCCAAACAGTACGGCAACCACAGCGGACGAGTCGGCGTAGGCTACCGGTTCTGA CGGACAGGAAGCAGACAGCCGCAAAGATCACGGTCTTTGCGGCTGTTTCTTATGAAAAGA **AAACCCTATTCCAATTGCCTGCTTCTATTGTTTCAAGACTTCTTCCAAAGATTCGGCATT** AATCAGATGTATAGCGGATTAACAAAAATCAGGACAAGGCGGCGAAGCCGCGGACAGTAC AAATAGTACGGAACCGATTCACTCGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAG

CTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCGCTATATTCCACCATCTCTAAG ATTTACAGCGAT ACACGGGTGATTTAAGGAATGCCCGAACCGTCATTCCCGCCACTTTCC GTCATTCCCGCGAAAGCGGGAATCTAGAATCTCGGACTTTCAGATAATCTTTGAATATTG ACCTGCACCACGTCATTCCCACGAACCCACATCCCGTCATTCCCACGAAAGTGGGAATCT AGAAATGAAAAGCAACAGGCATTTATCGGAAATAACTGAAACCGAACAGACTAGATTCCC GCCTGCGCGGGAATGACGGCTGCAGATGCCCGACGGTCTTTATAGCGGATTAACAAAAAT CAGGACAAGGCGGCGAAGACGCAGACAGTACAGATAGTACGAAACCGATTCACTCGGTGC TTCAGCACCTTAGAGAATCGTTCTCTTCGAGCTAAGGCGAGGCACCGCTGTACTGGTTTT TGTTAATCCACTATACTTGGAGCTGGTCTTGCTTTTCGCCTAATTCTACGTTTTCAAACG GTTGCAGCTGGTGGTCTCCATAAAGGTCTCCTTATTGTATTTCAGGTTGGAAATCGGAA TTTGTTTTCACAATTTTACACCTTCGCCCCCGCTTTCTCTACATAAAATTACATTTTGCC GATATTTGCCGAATTGTCTGAAAATATGTGTAATAAGGGGCGTATAATCAAAACATTTGC CCCGGATTGCCATGCCTTATTTCGCCCTGTTTGACGATGCCGTAAGCGGCCGCCGCAAAAC GCTATCAAAATCATGTGGAAAGCCGTTTTTTCCGTCCCGAAGAACTCGATGCTTTGGACG GCGCGCTGCAATCGGGCTGCAAAAAGGGCTGCATTCGGTGTTTTTGCAGACTACGGAT TCGGTTTGCCGC TGACGGGGGTTGAGTCCGAACGCGGCGGCAATCTTGCCCTGCACTGGT TTGCCAACTGCGCCGACATCGATGCCGAAAGCTGGCTTGCCCGACACTCAGACGGCCTCC CCGCCGGCATTTCCACGCCGCAACCCTCCGTATCCGAAACCGATTACCTCGACCGCATCC GCCAAATCCACGAAGCCATCCGGCGCGCGACACCTATCAAATCAACTACACCACCCGCC TGCACCTGCAAGCCTACGGCAATCCCGTCAGCCTCTACCGCCGCCTGCGCCAGCCCGTCC CCTATGCCGTCTTGTCCCACCTGCCCGATGCGGAGGGGCAATCCGCGTGGACGCTGTGTT TCTCGCCCGAACTCTTCCTCAAAATCGGTTCGGACGGCACCATCAGCACCGAACCGATGA AAGGCACCGCGCCGATTTTGGGCGACGGACAAGACGAACGCCGCCGCCGAGTTGCAAG CAGACCCGAAAAACCGCGCCGAAAACGTGATGATTGTCGATTTGCTGCGTAACGATCTCG GCAAAATCGCCCAAACCGGCACAGTATGCGTACCCGAACCGTTTAAAGTATCGCGTTTCG GCAGCGTTTGGCAGATGACCAGCACCATCCAAGCCCAAGCCTTGCCGCACACCTCGTTCG CCGACATCCTCCGCGCCGCCTTCCCCTGCGGCAGCATCACCGGCGCGCCCAAAAAAATGA GTATGCAGATTATCGAATCGCTCGAAGCCGAAGCGCGGGACTTTATACGGGCAGCATCG GCTATTTGAACCCGTGTTCCGGCGGCTTGGGGTTTGAAGGCACGTTCAACGTCGTTATCC GCACCTTGTCGCTCACGCCGCTTTCAGACGGCATTTATCAAGGCGTGTACGGTGTCGGTT CCGCCATCGTCATCGACAGCGACCCCGCCGCGAATATCGCGAATGCGGCTGGAAAGCCC GTTTCCTCAACGAATTGCGCCCCGACTTCGGCATTTTTGAAACCCTGCGCGCGGAAAACG GACGCTGCACCCTGCTCGACCGCCACCTATGCCGTCTGAAAACCTCCGCCCAAGCCCTCA ACCTGCCCTGCCCGACGCTGCGAAAATCAAATCAAACAATACATTGCCGACTTGCCCG ATGGCGCGTTCCGCGTCAAAGCCCTGCTCGCTTCAGACGGCATCAGCCTGTCCCGCGCCG AAAACTACCTGCGCCGCTTCAAAACCACCTGCCGCGCCCTCTTCGACCAAGCGTGGCAAA CCGCCGAAACACAAGGCGCGTTCGACAGCCTGTTTTTCAATTCAGACGGCATCCTGCTCG AAGGCGGCAGAAGCAACGTCTTCATCAAACATCGCGGACAATGGCTCACACCCTCTTTAG ATTTAGACATTTTAAACGGCATAATGCGCCAAGCCGTATTGGACGAACCGCAAAAATATT TGCAAACAATCAAGTAATCGAAACACACATCACACAAAAAACACTGCAAGAAGCCGAAG AAATCCGCCTCTCCAACGCCTTGCGCGGCGTATTTGCCGCCGCCCTTGCCTGAACGCGCA AAAATGCCGTCCGAACCTGTTTCCAAAGTTCGGACGGCATTATCCCACCATTCAAAACCG CCAATCCGCCGACACAAACACCTCGCTGTTGCGGCGTTTCGCATACGGCACATTACTTTC CGTCCTGCCGAAACGATAATTCAACGCCGGCACGATACCTTTGTACGACAACTTGTCGTG GCTCAAAGCCAGCGAGACATTCCATTCGCGGTTGCGTTGCGCCTCTGTCGAGAAAGCCGC AATGCCCTTATAGTTGCGGCGGGCATAAGACGCGGAAACCCGACTGTTCAAACCGCCCAA CTGCCGCCACTCCTGCGCCCAACCGGCATAAACACCGTTGCGCCGGTAGGCGGCATTATT GACCGCGCCCCACCGTTTCGCGTTTCGGCACAAACCGCACAAACTGCCAGCCGCCGAA GTTATTGTATTCCGCCCTATCCTGTTCGCGGTAGCGTTGGCGGTAATGTTCCAGCGCGAC CGAAAATTGCCATCCCGGGTTTGGGCGGTAAGTATGGGACAGCTGCACGCCGACTCCGTG CGCCAGCATATACGGCGGCGGCGGCGGTTGTTTACCCGTTTTGTTTTCGCATCAAAGCC GTCGCTGCCCGACAACTGCACCTGATAAAACGGCAAAATCCCCGCCGTCTGCCGTGCATT TTTATACTGCCAACCCAAATACGCCCTGCCGAACCCGTCATCATAAGCTGATTTTTTACT GAAATAATAGCTCGTGCCGCCGATATTGGAACGGAACAACAAATAATGATTATCTGCCAA ATTTCTATTGACCGCCGGACTGATGCCGCCCGAAAAACGCCAGCCCGTCAGCCCCTCCGT TTTTTTCCGAAAACGCCCCACATTTTCCAAAACCGGTGCCGGCAAATCCAATTTTGCCGC CTCCGCAAAATGCCTTTCTGCCGACTTCAGCCGGAAATCGTCAAACTCCGCCGCCGCCAA ATCCAGCAAAATCCGCTCGTCTGCCGCATTTTCCCCGTGCAGTTCCCGATACCGCGCCAC CGCCTCCGCCGGCCTTCCCGCCAATTTCGCCAGCAAAGCCCGCGCCCTGCCGTACAAAAC CGCGTCATAATCCGGCAGCTTGGCATACAAATCCGCCAACGAAGCGATTAAATCCGCCTG ATTGCCGTTGAGCGCGCGCGCAAACTATGTTCCAACATTTTCGGATGCGCCAACAAAAA ATCCCCGTCAACCACGCGCGGGCATCATTTTCAACTTTCCAATCTGATTCCGCCCACTT ATCCGACACCGACCGCTGCACCTGCAACAATGCCTTGTCATCCAAAATCGCGGGCGCATC CGCCCCATAGGCGGCAGAAACACCTGCCGCACACCAAACAACCAAAAAGCCGTATCTGAA ATACAACATACCCTGTCATTTACCTTTCTGGCAAACACGCCGCCGAAGCACGTCAAACCA TCCGAAAAACAGGCAGAAACCCGTGAAAACCGGCTTTGCCGCCTGAAAGCAGGCAAACAA AAACCGCCGCCCGATTTTCAAAGGGCGGATTTCACATTTATAGTGGATTAACAAAATCA GGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTCGTGCTTA AGCACCTTAGAGAATCGTTCTCTTTGAGCTGAGGCGAGGCAACGCCGTACTGGTTTTTGT TAATCCACTATAACAGCAACCCTGTCGCCGTCATTCCCGCAAAAGCGGGAATGACGAAGC

TATCCGCACAGAAACCTGCACCACGTCATTCCCACGAAAGTGGGAATCCAGAACGTAAAA TCTGAAGAAACCGTTTTATCCGATACGTTTCCGCACCGACAGACCTAGATTCCCGCTTTC GCGGGAATGACGGCGGAAAGGTTGCTGTTTTTCCGATAAATTCCTGCCGCTCTTCGTTTT TGGGATGGCGGGAAATAAAACAAAAGCGCGCGTATCAAAAAACAAAAATGCAAAGAACGG GTTGACCGTGCGGTTTTTTATCTGAAAGCTTCAGACGGCATTGCTTACATCATGCCGCCC ATACCACCCATGCCGCCCATATCAGGCACAGCCGGTTTGTCTTCGGGGATTTCAGCGATC ATGCAATCAGTGGTCAGCATCAAGCCGGCGATAGATGCGGCGTGTTGCAGCGCAGAACGG GTTACTTTGGCGGGGTCGAGTACGCCCATTTCGATCATATCGCCGTATTCGCCGCTGCCA GCGTTGTAACCGTAGTTGCCTTTGCCTTCCAATACTTTGTTCACAACCACGCTGGGTTCG CCGCCTGCGTTGGCCAACGATTTGGCGCAGCGGAGACTCAACGGCGCGCAAGACGATTTGT ACGCCTGCGTCTTGGTCGGCATTGCCGGTGTGCAGGTTTTCCAAAGCAGCACGGGCACGC AACAGGGCTACGCCGCCCGCCTGCAACCACGCCTTCTTCAACGGCTGCGCGGGTAGCGTGC AGCGCGTCTTCCACGCGGTCTTTTTTCTCTTTCATTTCGACTTCGGTCGCGGCACCGACT TTGATGACTGCCACGCCGCCTGCCAATTTAGCCACGCGCTCTTGCAGTTTTTCTTTGTCG TAATCGCTGGTTGCGGTTTCGATTTGTTGGCGGATTTCGGCAACACGCGCTTCGATTTGG GCTGCGTCGCCAAAGCCGTCGATGATGGTGGTGTTTTCTTTACCGATTTCGATGCGTTTG ACCACGCCGCCGGTCAGGATGCCGATGTCTTGCAACATCGCTTTGCGGCGGTCGCCGAAG CCAGGGGCTTTGACGGCAACGGTTTTCAGGATGCCTCGGATGTTGTTCACGACCAAAGTC ACAAACGGATTGTCCAAAGCAGCGATTTGTTTTTCCGCATCGTTGATGAAGTAAGGAGAC AGGTAGCCGCGGTCGAACTGCATACCTTCAACTACGTCCAGCTCGTTTTCCAAAGACTTG CCGTCTTCAACGGTAATCACGCCTTCTTTGCCGACTTTTTCCATCGCTTCGGCGATAATC GCGCCGACTTGTTCGTCGGAGTTGGCGGAAATAGAGCCGACTTGGGCGATTTCTTTAGAA GTGTCGCAAGGTTTGGCGATGTTTTTCAGTTCGTCAACCAAAGCGGCGACGGCTTTATCG ATACCGCGTTTCAGGTCGGTCGGATTCATACCTGCGGTAACATATTTCATACCTTCGGCA ACGATGGATTGCGCCAGTACGGTGGCGGTAGTCGTACCGTCGCCTGCCACGTCGTTGGTT TTGGACGCAACTTCTTTCACCATTTGCGCGCCCATATTTTCAAACTTGTCTTTCAGTTCG ATTTCTTTGGCGACGGTTACGCCGTCTTTGGTGATGTGCGGGCCGCCGAATGCGCGGTCA ACGACTACGTTGCGACCTTTGGGGCCCAAGGTTACGCGGACGGCGTTTGCCAGAATGTTC ACGCCGTTTACCATTTTTTGACGGACTTCATTGCCGAACTGTACGTCTTTTGCTGCCATT TCAATTCTCCAAAAATCATTAAAACTGTCTGATAAAACCGTTTATGCCGTCTGAAGGCGG TTTGCCGTTTCAGACGGCATCGTGTCCGTATTTATTTTTCAACGATGCCGAAAATATCTT ${\tt CTTCGCGCATTACCAACAGCTCTTCGCCGTCGGCTTTTACGGTTTGGCCGCTGTATTTGC}\ .$ CGAAGATGATTTTGTCGCCGACTTTGACATCCAGCGGACGGCGGCTGCCGTCTTTACCGA TTTTGCCCGCGCCCACGGCGATGACTTCGCCCATATCGGGTTTTTCGGCGGCCGCACCCG GCAAAACGATGCCCGATGCGGTTTTTTCTTCAGCTTCCAAGCGTTTGACGACAACGCGGT CGTGTAAAGGACGGATGGTCATATTTATGCTCCGATAAAATAGTTTGAAAACAATCATCT GCCCGAACGGTTCAGGCAGATTGAAGTGGAAACCGGACAGCCGTCAAGCAGCTGCCCGTA CCGCCGTTTTTTATAGTGGACTAAATTTAAGGGGCTGTACTAGATTAGCAGATATGTTAC ATTCGGCAGCACTGTTCTACCGTAAAATCCGCACGGTTATCAACCATCATTTAGCCTTGG CTGCCGATGAGGTTTTTGAGGGCCCTGTCGAGCCGGACGAAAGCGATTTCGGCGGACGGC GTAAAGGTAGACGTGGTCGCGGTGCAGCAGGAAAAGTGGTTGTCTTCGGCATTCTGAAAC GCAACGGACGGGTCTATACCGTTGTGGTGGATAATGCCAAGTCTGAAACGTTACTCCCTG TCATCAAGAAGAAAATCATGCCGGACAGTATTGTTTATACCGATAGTCTGAGCAGCTGCG ACAAGTTGGACGTGAGCGGTTTCATTTATTACCGCATCAACCATTCCAAGGAATTTGCAG ACCGTCAGAACCACATTAACGGCATTGAGAATTTTTGGAATCAGGCAAAACGTGTCTTGC GAAAATACAATGGAATCGATCGTAAATCTTTCCCGCTGTTCTTGAAAGAATGCGAATTTC GATTTAACTTCGGCACACCGTCTCAACAGCTTAAAATCCTGCGGGATTGGTGTGGGATTT AGGGCTAATCTAGTACAGCCCCTAAAATTTTTCGTTTTCAAGCCTTCACCGCTTGCCATC AGCGTTAAATTTTTTTTACGATAAGCACATAGATTGTAAACAATCGGCCACAAGCCGGTTT GTTTTTTCAGAAGACATTATCCCTGTCAGACGCTATTTCTATATATTTCGCCTATAATGG CTTGTTTTTAATAAATAATTCAAGAGGTATCAACGTGTCTGATTCCAAGACGAAAGAACG CGCCACATTCGGCACGCGCGCGCGTTTATGATTGCCGCCATCGGGTCCGCCGTCGGCTT GGGCAATATTTGGCGTTTCCCCTATATTGCTTTTGAAAACGGCGGCGGCGCGTTCATCCT GCCCTATCTGGTCGCGCŢTCTGACGGCGGGCATCCCGCTGCTGCTGCTCGATTATGCCAT CGGCCACCGTTACCGTGGTTCTGCGCCCTTGGCTTTCCGCCGCCTCGGACGATGGTTTGA GCCGGTCGGCTGGTGGAACGTGATGACCAATATCGTCATCTGCATCTATTACGCGGTAAT TATCGGTTGGGCGGCAAGCTATACCTATTATTCGGTCAACGCCGCCTGGGGTGCGGATCC GCAGGGTTTTTTCTTTAAGGACTTCCTGCAAATGGCGGGCCCGGAAGCCTTGGGTTTGGA TTTTGTCGGCAAAGTCGCCGGTCCTTTGGCGGGCGTGTGGGTTTTTACCGCCGCCATTAT GGCGTTGGGCGTGCAAAAGGGCGTGGCGCGCGCCTCGTCGTTCTTTATGCCGCTGCTTTT GGTGATGTTTTTGATTATGGTCGGCATTTCACTAACCCTGCCGGGTGCGGCAAAGGGCTT GGACGCATTGTTTACGCCCGACTGGTCGAAACTCGCCGATTCCAAGGTCTGGGTGGCGGC ATACGGGCAGATTTTCTTTTCGCTTTCCATCTGCTTCGGCATTATGGTTACCTATTCTTC TTATTTGAAGAAAAAACCGACTTGGGCGGAACGGGGCTGGTGGTCGGTTTTGCCAACAG CAGCTTTGAACTGCTCGCGGGCATCGGCGTGTTTGCCGCATTGGGCTTTATGGCGCAGGC GGGCGGTAAGGCGGTCAACGAGGTTGCCTCAGGCGGCATCGGTTTGGCGTTTATCGCCTT TCCGACCATTATCAACCAGGCACCGATGGGCTGGCTGATCGGCATATTGTTTTTCGGTTC GCTGGTGTTCGCCGGCGTTACGTCGATGATTTCCATCCTTGAAGTGATTGTGGCGGCGAT

TCAGGACAAGCTGAACATCGGGCGCGTCAACGCCACGCTGCTGGTCTGCATTCCGATGGG CATTGTTTCCACGCTGCTGTTCGGTACGGCGACGGGGCTGCCGGTTTTGGACGTGATGGA CAAATTCGTCAACACCTACGGCATTGTTGCCGCCGGCTTTGTTTATGTTGCCGCCATCAT CATCAGCGGCAGGCTGCCGGAATTACGCAAGCACCTGAACGCTTTGTCCTCCATCCGCAT CGGCGGCTTGTGGACGGTCTGCGTCGTGGTTACCGTCGTGATGCTCGGCTATATGCTGTT TAAAGATACCAGCGGCCTGATGGAGAAAAATTACGAAGGTTATCCGGATGGTTTCCTCAG TATTTTCGGCTGGGGGATGTCGGCGGCGTTGGTCGTGTTCGGGCTGCTGCTGTTGCT GCCTTGGAAACACGGTCAGGATTTCAACGTCAAAGACGAACACGAACATGAACAAGGAGA **AGAAAAATGAGTACTTCCGCCATTGTGATGATGATTGTCTCAATCGTGATAATCTGGGGA** GGGCTGCTGCTTTCCCTGTTAAGGCTGCCGAACGAGTAAGCCTTTAGAGCGTTAAAAATG GCCATTTGCTGTTCCAAGGTTTCGCGCCGGCGGATGAGTCGGTATTCGTTGCCGTCCACC AACACCTCTGCCGCACGGTTGCGCGCGTTGTAATTGCTCGCCATACTGGCCCCGTATGCG CCCGCGCTGCGGATAAGCAGCAAATCCCCTTCTTCGCAGGCGATGGTGCGGTCTTTGCCG AGGAAGTCGCCGGTTTCGCAAATCGGACCGACGATGTTGGCGGTCAGCGTCGCGATGTCT TTGGTTTCGACCGCCTCGATGTGATGATAGGCATCATAAAGCGCCGGGCGCATCAAATCG TTCATCGCCGCATCGACCATCACAAAGTTTTTCTCTTCGCCGTATTTGACAAACTCGACG CGTGTCAGCAGCGAACCTGCGTTGCCGACCAGGCTGCGGCCGGGCTCAAGAATGAGTTTC AGACGGCGTGTGCCGATCAGTTTTTGAACGGCTTGGGCATACGCGCCCAAATCAGGCACA TTTTCGTCTTGGTAAACAATGCCGACGCCGCCGCCTAAGTCTAAATGTTCCAAAACAATG CCTTCGGCGCAAGCGCGTCAACCAAAATCAAAATGCGCTCGCAGGCTTCGACCAGCGGG CTTAAGTCGGTCAGTTGCGAACCGATGTGGCAGTCGATGCCGATGATTTTCAAATTGGGC TGTTGTGCGGCATAGTGGTAGGCTTCGAGCGCGTCGGCGTAGGCGATGCCGAATTTGTTG GCTTTCAGACCTGTGGAGATGTAGGGATGGGTTTTTGCATCGACATCGGGGTTGATGCGC AGGGAGACGGGCGCGGTTTTACCCAAACGTGCGGCAACTTTCTGAATACGGTCGATTTCG GGGATGCTTTCCATATTGAAGCATTTCACGCCTGCATTCAGCGCGAACTCGATTTCCGCC TCGCTTTTGCCTACGCCTGAAAATATGGTTTTTGCCGCGTCGCCGCCTGCCGCCAAAACG CGTGCCAATTCGCCGCCGGACACAATGTCAAAACCGCTGCCCAGCGAGGCGAAGTGTTTG ATAATGCTCAGATTGCCGTTTGCCTTGACGGCGTAACAGACGAGCGGGTTCAAAGCGGCA **AACGCGGTTTGGTAGTGTTCAAATGCTTCGGTCAGCGCGGATTGGCTGTACACATAAAGC** GGTGTGCCGAATGCTTCAGCAAGGCGGGGGTAGGGGACTTGTTCGCAAAATAGGGTCATG TTTTCGTTTTCATTTTTGGGTTTGTGGAGCGGATTGCGGTTTGCTTTGAAGTTGCAAACC GGTTTGGATTACGCCGAAACGCGCCTTGTCGCCTTCTTTGGGCAGGTAGAGGTCGCCTTT GTAACCGCAGGCCGAGAGCAGGAGGGGGGGGTTGCCGCCGCAAAAAATACGCCGTATTTCAT CGGTAAACTTCCTTCATAAGCGCGAATGTGGCAAGATTCGGCATCTTAAACAAAAAACAC CATCGAAGACCAAATCGACGAAAACGGCTGGGATTTCGACTGCCGGTTTGCCGGAAACGT CCTGACCATCGAAGCCGGAGACGGCGCCCAAATCATCGTCAACCGCCACACGCCCAATCA GGAATTGTGGATTGCCGCAAAAAGCGGCGGCTACCATTTCGCCGAGCAAAACGGCAAATG GCTGGCAACGCGCGACGGACGCGATTTTTATGACGTTTTAAACGAAGCCCTGAGCGCGGC ATGAACACACGTCCCTTTTATTTCGGACTGATATTTATCGCGATTATCGCTATACTTGCT **AACTATTTAGGAAACACTGATTTTTCCCATCATTATCATATCAGTGCTTTAATTATTGCT ATCTTGCTGGGAATGGCAATCGGCAATACCATTTATCCGCAATTTTCGACACAAGTGGAA** AAAGGCGTTTTGTTTGCCAAAGGCGCGCTTCTTCGCACTGGCATTGTGTTGTATGGTTTT CGCCTCACTTTTGGCGATATTGCCGATGTAGGATTAAATGCGGTTGTCACTGATGCAATC ATGCTAATTTCAACCTTCTTTTTACCGCACTTTTAGGCATTCGTTATCTAAAAATGGAT AAACAATTGGTTTATCTCACTGGGGCAGGTTGCAGCATTTGCGGTGCGGCAGCAGTGATG GCGGCAGAGCCTGTTACTAAAGCAGAATCCCATAAAGTTTCAGTGGCGATTGCCGTAGTG GTCATTTTCGGGACGCTTGCTATTTTTACTTACCCCTTGTTCTACACGTGGTCACAACAT TTAATTAACGCCCATCAATTCGGTATTTATGTTGGTTCTAGTGTACACGAAGTGGCTCAA GTGTATGCGATTGGGGAAAATATTGATCCTATCGTGGCGAATACTGCCGTCATTTCCAAA ATGATCCGAGTGATGATGCTCGCCCCCTTTTTATTAATGCTTTCTTGGTTATTAACACGT **AGTAATGGAGTATCAGAAAATACATCACACAAAATTACAATTCCTTGGTTTGCTGTACTT** TTTATTGGTGTTGCCATTTTTAATTCTTTTGATTTATTACCAAAAGAACTCGTGAAATTA TTCGTTGAAATCGATTCTTTCTTATTAATTTCATCAATGGCTGCGCTTGGCTTAACGACG TTATGGCTAGTGGTTGGTGGATTTTTAGTGAACTATGGAATATCAAAATTAATATAAAAT TCACTAAAGAGAGCGTTACCCAATGGCACAATTACCGCTATATCTGACTTCTGAAATCAA AGACTTTACTGTCGGCACGCCTAAAGTTTTAGAATCATTTTCCAAACATATCCCTTATGG TGTCGTCTTTGAAGACGACGGCGACACAGGCTACTTCTATGCCGCTTCGCAAGACGGGAT TTTAGATGCCTTGCACATCTATAATGTCGAAGATGTATCCGACAAACATATCCCCAATCA TGTCTTGATTTTATGGGATGATGCCTGCACCATAGCCGCATTGTGTATCAACGACTACAT TCATGCCGTCTATGATTTTGTCGAACAGGCAGGATATTGCCGCAACGGCTTCCCTGAAGC AGGCGGCGAATGGGTGAAAGTCGAAAACCGCGTCTTGGATGATGAATTGCTGGACAAAAT CCTATCCCGAAAATCTACATAACCCTCACAAAAGGATACCCAAATGCCCCTACTAGACAG TTTCAAAGTCGATCACCCCGTATGCATGCCCCCGCCGTACGCGTGGCGAAAACCATGAC TACGCCCAAAGGCGACACCATTACCGTGTTTGACCTGCGCTTTTGCGTTCCCAACAAAGA **AATCCTGCCTGGAAAAGGCATACACACGCTGGAGCATTTGTTCGCAGGTTTTATGCGCGA** CCACTTGAACGGCAACGGCGTGGAAATCATCGACATTTCCCCGATGGGCTGCCGCACCGG TTCGATGCAGGATGTTTTGAATGTCAAAGACCAAAGCAAAATCCCCGAGTTGAACGAATA CCAATGCGGCACTTATCAAATGCACTCGCTCGCCGAAGCGCAGCAAATCGCGCAAAACGT GTTGGCGCGCAAAGTGGCGGTGAACAAAAATGAAGAGCTGACGCTGGATGAAGGGCTGCT GAACGCCTAATCCGCCAAAAATGCCGTCTGAACAAGGGTTTCAGACGGCATTTGCCTTTT

CCGTTATAATCCGGGGTTGTCCGGGGGGGGGGTTTTAAGCCGGCATCGTCCTTCCCTATTT TTTTCTGTCCCTTATCGGTTTTAAGCGGGTTTTTTATGTCCAACAGACCTACACTCCTCC TCGTTGACGGATCGTCCTACCTCTACCGTGCGTATCACGCGATGGGGCAAAACCTGACCG CCCCGACGGCGCGCCGACGGGTGCGCTGTATGGTGTATTGAATATGTTGCGCCGTTTGC GGTCGGAATATCCGCACGATTATTGCGCGGTGGTTTTTGATGCGAAAGGCAAAAATTTCC GCCATCAAATGTTTGAAGAATACAAGGCGACGCGCCGCCGATGCCCGACGATTTGCGCC CGCAGGCGGAAGCACTGCCGGATTTAGTGCGCCTGACAGGCTGGCCGGTATTGGTGATTG GGCAGGTGGAGGCGGACGATGTGATCGGCACGCTGGCGAAACAGGGGGCGGAACATGGTT TGCGAGTCATTGTTTCGACCGGCGATAAGGACATGGCGCAGTTGGTGGATGAGCGCGTTA CGCTGGTGAACACGATGAGCAGCGAAACGCTGGACATTGAAGGCGTGAAGGCAAAATTCG GCGTGCGCCCGACCAAATCCGCGATTATCTCGCGCTGATGGGCGACAAGGTGGACAACG TGCCGGGCGTGGAAAAATGCGGCCCGAAAACGGCGGTGAAATGGCTGGAAGCCTACGGTT CGCTGGCTGGTGTGATGGAACACGCTTCGGAAATCAAGGGCAAAGTGGGCGAAAACCTGC AAGCCGCGCTGCCCAACTGCCGCTGTCGTATGATTTGGTCACGATTAAAACCGATGTGG ACTTGCACGCCGAGCTTTCAGACGGCATCGAAAGCCTGCGCCGTACTACGCCGAAATGGG CGCAGCTGGTTGTCGATTTCAAACGCTGGGGCTTCCGCACCTGGCTGAAAGAAGCGGAAT CAAACATGAATACCGGCTCGACCGATGATTTGTTCGGCAGCGACAGCATCGGCGAGCAGG CGGCTTTGAATGCGGAAATGCCGTTTGAAAAACAAGCCGAAAAAGCCACCGCCCCCGAAA AACTGGATTATCAAGCCGTTACCACCGAAGCGCAGTTTGCCGCTTTGTTGGACAAACTGT CGCGGGCGGACACAATCGGCATCGATACGGAAACCACGTCATTAGACGCGATGAACGCCT CGCTGGTCGGCATCAGCATCGCTTTCCAAGCAGGCGAAGCGGTTTACATCCCCGTAGGAC ACAGCCTGACCGCCCGCCCTGAACAGCTTGATTTACAAGACGTATTAGGCCGTCTGAAAC CGCATTTGGGAAACCCCGCCCTAAAAAAAATCGGGCAAAACCTCAAATACGACCAACACG TTTTCGCCAACTACGGCATCGCCCTGAACGGCATTGCCGGCGACGCCATGCTCGCTTCCT ACATCATCGAGAGCCATCTCGGACACGGCTTGGACGAATTGTCCGAACGCTGGCTCGGCT TGGAAACCATTACCTACGAATCGCTGTGCGGCAAAGGCGCGAAGCAAATCGGTTTTGCCG ATGTCGCCATCGGGCAGGCGACCGAATACGCCGCCCAAGACGCCGATTTCGCCCTGCGCC TCGAAGCGCACCTGCGCGCGCAAATGGACGAAAAACAGCTTGAAATGTATGAAAAAATGG AGCTGCCCGTCGCGCAGGTATTGTTTGAAATGGAACGCAACGGCGTGCAAATCGACCGCG CCGAACTCGCCCGCCAAAGCGCGGAACTCGGCGCCGAGCTGATGAAGCTCGAACAGGAAG CCTATGCCGCCGCAGGCCAGCCGTTCAACCTCAATTCGCCCAAACAGCTGCAAGAAATCC TGTTCGACAAAATGGGCATCCCCACCAAAGGCCTGAAAAAAACCGCCAAAGGCGGCATTT CCACCAACGAAGCCGTGCTCGAACAGCTCGCGCCCGACTACCCCCTGCCTAAAATCATCC TGCAAAACCGCAGCCTGGCGAAGCTCAAATCCACCTACACCGACAAACTACCCGAAATGA TTTCCCCCAAGGACGGCCGCGTGCATACCACCTACGCCCAAGCCGTCGCCATTACCGGCC GCCTCGCCAGCAACACCCCAACCTGCAAAATATCCCCATCCGTACCGAAGAAGGGCGTA AAGTCCGCCGCGCCTTTACCGCACCGCAAGGCAGCGTCATCGTTTCCGCCGACTATTCCC AAATCGAGCTGCGCATTATGGCGCACCTCTCCGGCGACAAAACCCTGATTGCCGCGTTCC AAAACGGCGAAGACGTACACCGCCGCACCGCCGCAAGTGTTCGGCACTGCGCCCGAAA ACGTCTCGTCCGAGCAACGCCGCTATGCCAAAAGCATCAACTTCGGCTTAATTTACGGTA TGGGGCAATACGGTTTGGCAAAATCATTGGGCATCGACAACCTTTCCGCCAAAAACTTTA TCGACCGCTACTTCGCCCGCTACCCCGGCGTCGCCGAATACATGCAGCGCACCAAAGAAC AAGCCGCCGCCCAAGGCTACGTCGAAACCCTGTTCGGCAGAAGGCTCTACCTGCCCGACA TCCGCAACAAAAACGCCAACGCCCGCGCGGAGCCGAACGCGCTGCCATCAACGCCCCCA TGCAGGGCACCGCCTCCGACCTCATCAAACGCGCCATGATAGACGTGTCCCGCTGGCTTT CAGAGTGCGAAGCCTCCCCGTGGGACGAACTCTTACAAAGCAAACTGATTATGCAGGTGC ATGACGAACTGGTGCTGGAAGTCGTTGAAACCGAACTGGATTTTGTCAAAGAAAAACTGC CGCAGATTATGGCGAAAGTGGACGGCGGATTATTGGATGTACCGCTGGTGGCTGAGGTTG GCGTAGGGGAGAATTGGGAAGAGGCACATTGATTGAAAGGTGTTATATGCTATCTTTATT TAAATAAAATTTAATTTTTGGTATATTTTTTCTAAATGTTCCTATAGTATAGTGGATTAA CAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCAC TTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGACAACGCTGTAC TGGTTTTTGTTAATCCGCTATATTCCGCCATCTCTAAGATTTACAGCGATACACGGGTGA TTTAAGGAATGCCCGAACCGTCATTCCCGCAACTTTTCGTCATTCCCACGAAAGTGGGAA TCTAGAAATAAAAAGCAGCAGGAATTTATCGGAAATAACTGAAACCGAACAGACTAGATT CCCACCTGCGTGGGAATGACAATTCGAGACCTTTGCAATAACATAGGTTACTAAAATTTT ATGCTCAATCTCATTTTCAAAATGCAAAACTTTTCTGATTTTTCCTACTTTTTGCTCAAT ATTAGGAAGGTTTTAGGCAATTGAAAATTTTTTGGCGCATTTTTATGCGTCAAATTTCGT TAACAGACTATTTTTGCAAAGGTCTCAATTCATAAGTTTCCCGAAATTCCAACATAACCG AAACCTGACAATAACCGTAGCAACTGAACCGTCATTCCCGCGCAGGCGGGAATCTAGACC TTAGAACAACAGCAATATTCAAAGATTATCTGAAAGTCCGAGATTCTAGATTCCCGCTTT CGCGGGAATGACGAAAAGCAAGCCGTAGGTCGGATACTTGTATCCGACAAAAGCCTGCCA TCTCAAATAGCCGTCGGATTCGAGAATCCGACCTGCCAAACCGGGCGCGGACGCTCCGGC CGGCAGTTAGTACGCAAATCGAACAGAACATCACAAAAAAGCCCGATTCGGATTTTCCAA TCGGGCTTTTTTGCGCCCGTTTTGTCATCCCGTGAAATATCCGCATGACAAAAATATAGT GAATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAGATAGTACGGTAAG GCGAGGCAACGCTGTACTGGTTTAAATTTAATTCACTATAATGCAAAATCATGACAAAAC CGGCGCGAGGTTACACAAACGGATGAAATCAACCGATATTCAAACACAGTCATTTTTAGC GCATTTTCAGCGTATCGTTAATGCGGAAAATTTCGTGAACAGGTTTTTTGCACAGGCCTC GAAAGTGATGATAAGATGATTTAACGTACTGCTTTAATTATTTAAGGAATTATCGTG GTTGCCCAAATTCACAACCTCAGTCGTTTTGAGAATTGTCAGACGACCTTGTTGCAGACC GAACAAATTATCCATGGCAAAAATGTAGCCTCCGCGTCACTGGAAGACATCCAAACCATC TTGAACCTGAAACGTGCCTATCAATATGTGATTTCGCATATTTCAAACGGCGAACCGGTC GATATTTCACTCCTTAAAAAAATCAACAACATTGTTGCCAAGGACGATTCTTTGGCACCC GGTGATTTCCGTACCGGTTCGGTCGGCGTAACGCTATTGGACGGTTCCCGTCATGCCCCG AATCCAGTGAAGGAAATTGAAGTGGCCCGCGTGTTACAAAATATCGGACTGCAAAGCGGT TCGACGACGGAGGCAGCCGTCCGTTTTATGCTTTATTGTATGCGGCAGCAGGTTTTTTGG GACGGCAACAAACGAACGGCAACCTTATTTGCCAACGGTCTGATGATGGCGGGGGGGCTGC GGCATCTTGGAAATCTCCGAAATGCAGATGCCGCAATTCAATGAAAAACTGTCCGCATTC TATCGCTCCGGCGACGATACCGATATTTCCAAGTTTGTGTATCAAAATTGTATATCGGGC ATAGACTGAGAC CTTTGCAAAATTCCCCAAAACCCCTTAAATTCCCACCAAGACATTTAG GGGATTTTCCATGAGCACCTTCTTCCAGCAAACCGCCCAAGCCATGATTGCCAGACACAT CCTGAACCGTCAAAAAACCCGTTACCTTAGAGACCACCGCGGCCGTCCCGCCTATCCCCT GCTGTCCATGTT CAAAGCCGTCCTGCTCGGACAATGGCACAGCCTCTCCGATCCCGAACT CGAACACAGCCT CATTACCCGCATCGATTTCAACCTGTTTTGCCGTTTTGACGAACTGAG CATCCCGATTACAGCACCTTATGCCGCTACCGCAACCGGCTGGCGCAAGACGACACCCT GTCCGAACTGTTGGAACTGATTAACCGCCAACTGACCGAAAAAGGCTTAAAAGTAGAGAA AGCATCCGCCGC CGTCGTTGACGCCACCATTATTCAGACCGTCGGCAGCAAACAGCGCCA GGCTATAGAAGT CGATGAGGAAGGACAAATCAACGGCCAAACCACACGAGTAAGGACAG TACCGATGCGGAAGGCTATATCGAGAAACTGCACATTACCCCCGCCAATGCCCATGAGTG CAAACACCTGCCGCCTTTGTTGGAAGGACTGCCCAAAGGTCGACCGTCTATGCCGACAAA GGCTACGACAGT GCGGAAAACCGGCAACATCTGGAAGAACATCAGTTGCAGGACGGCATT ATGCGCAAAGCCTGCCGCAACCGTCCGCTGACGGAAACGCAAACCAAACGCAACCGGTAT TTGTCGAAGACCCGTTATAGTGGATTAAATTTAAATCAGGACAAGGCGACGAAGCCGCAG ACAGTACAAATAGTACGGCAAGGCGAGGCAACGCCGTACTGGTTTAAATTTAATCCACTA TATGTGGTCGAACAGAGCTTCGGTACGCTGCACCGTAAATTCCGCTACGCTCGGGCAGCC TATTTCGGACTGATTAAAGTGAGTGCGCAAAGCCATCTGAAGGCGATGTGTTTGAACCTT TTGAAAGCGGCCAACAGGCTAAGTGCGCCCGCTGCCGCCTAAAAAGCAGCCCGGATGCCT GATTATCGGGTGTCCGTGGAGGATTAAGGGGGTATTTGGGTAGAATTAGGAGGTATTTGG CAAAGGTCTCAGACTATTTCGGCACGGACGAAGATATAGATTTCCCCGACCCACCAAACA TGGGCTAAAAATCAATTTGACGGTTATCAGACAATGGAGCAGGCACAAGGCGGCGGCAGA AAAAGGGTTTGACAGCGCACGGTGGCATCGTCAGACCCCTTTCGGCATATCCGGCGGTTA CCAGCGGTAGCCTAATTTGATGCCCGCGCTGTGTTGCGCCTTCCAGTTGCGGGCCTTTGGC GGCGGCAGCGTGGAGGGACAGCGTGAAACCTTTGATTTCGGCGTTTACGCCCCATTCCGC ACTGCGGGTTTTGCCGAAATCCTGAGCCAATACGGCGGTATTGACGCGTGTTCGGACTTT GCCCGAAGCGGCATCGGTATAGGACAGGCTCAAATAAGGCGTGATGGAAATGTGTTGCGC CGGTTTGAATGAATAATCTGCCTTAATGCCCGCGCGGTAGCGGTTGAATGCAAGGCCGGG GGTGGCGATATTGACGTTTTCGTAGCGGTAATCCGCTTTTTGGACGAAATAGCGCGTTGC GCCGATGTGCGGTTCGATGCCGAATCCGCCGAAACCGGCGCGGTATCGTGCCTGAATGCC GTAATGCAGCACGCGGCGGGGTTTTTGCCTCCGATGCCGTCTGAAAGGCTGCCGCTGCT AAAACCCGCGCCCGCGCTGATGCCGATGTAGAACCTGTCGATGCCGTATTGCCCGAAAAC GGCGCCGTGGGCAAGCCGTGCCGAGTTGCCGATGCCGTCGTCGAAGGTGTTTTCGGTCCG GTTGTGCGAAAA CAGGATGCCGACGCGCCGCTGCCGAGGTTTTTCTGCATACCGATTTG GCGCAGGTCGGTTTGTTGGCGGTAGGCGCGGAAATCTTGCGAACGGTAGTGTTTGGTGTC CCGGATGCCGCTTGTCCAAACGGCGTTGCGGCGGTCTTCGGCAAATACGCGGTCTAATTC GTCCTGTACGGCGAAAACGCTGTTGAGCGTGGCGGAAAATTCACTCAAACCGCTATTGGC ATAACGGCTGATCAGGTCGCGCTGCGGTTGGGGCTGGGGTTGCAGTTGCGGCAA GCGCTGTTTCGCCAAGGCGGTGTCTTTATCCGCCTGCACCCGTTTTTTCTCTTCCTCCGC CTGCATAATGCCGACATTTTCCCCGCCTGCCTGCCGGGCCGGTTCGGCAACGCTTTCTGT CTTTTCGACGCCATCGCGCCGGCCGCAATCAGCGCGTCAAGGCTTTGCGCGTTGTCTTT TTCCGCCTGTTTTTTGGCTTCTGCCTTGCCGAGTTTGTCGGAAAGCTCTTGTTCTTTGAC CGGATTATGCAGGCGGAACTCGCCGTCTTTGCGGATGAGTTGGTAACGCCACGCGCCGGC ATCGACGTGTTCGTTTTGCAGGGTGAAATTAAGGTTTTCGGACAGCGGTTTGTTGTCTTT TCCTTCCACTACCGTCAATTGTTCGAGGCTTGCAGGTTCGTTGCCGGTATTGTTGACCGC CAAGGTGTAAGTGCCTTCGGAACTTTCCGCCAGCTTCAATTTGTCGCTGCGGTAGCCGAA GAGTTCCGACATAAAGCGGAATGTTCCCTGACCGTTCAATTTGCCGTTTACCGTCAGCGT GTTGAAACGGGATTCTACCGAAGTTGGCGGTGTAACGGATAATAGGGAACGGCGCGAACG GCGCGAACGGCGCGCGCGCATCTGTCGCACTGCCGGTTTGCGCCCCTGCCGCATCGTG GCGATAGGCGGAATTGAGTGTAATGGTGGCGTTGTCAAGGTTTAAATTGCCTAATTCCGT GCCTGACGGCAGCGTCCATTCGCTGTCTTTTAAGTGTAATGCCGTATCCTTGCCGCCGCT GATTTGTCCGGTAAAGCGGCTGCTTTCAAAATGGAATACTGCCTTATCGGCTAGGGAGAC ATTACCGTTGAGTGCGGAATGGCTTACGTTTGCCTTAGCGTTGCCGGAAAGCGTCAGACT GCCGTTTTGTACGGCGTGGTCGCTTAGATTAAATGAAGCATTGCCCGAAGCCGATGTGTT GCCGTTTAATGTGGCTTGATTAAATGTTGCTTGGGCATTGCCCACGAGGCTAAGGTTGCC GTTTTGGGTGGCGTTGTGGCTGACTGTATAACGTGTATCGCCATTTGCACTAAGATTGCC GTTGAGTGTGGCAAGCCCTGTGAGATTTAAATGAGCGTGATCGGCAAGATCGACATTGCC GCTGATGTCGGTCTTAGTCAATGAAGCAATCACTTTATCGTCGGTAATGGTTTTTTCGAC ACAATTTGTCAGACCCGTCCAGTCCGAACGTGTACAGATTGTGTGGCTTTGATGCGGTGC GACACCAAAAACTGCTTGGGCGTGATTGCTCAAATGCCAATCGCCTTTCACTTTGGCAAC ATTGCGGGAAACCACCGCCTGTCCGCCTTTAATTTGGAAGTTTTCCGCTTTAAATGTGCG GTTGATCCAGTCGTTGTCCCACACGATTTCCCCGCGAGGAATGCCCTCTTTTTGCGACCA ATGGTCGTTTAAATGATTGTAGGCGTGCGGTGTTGGTCTGCCGCTGAAAAACAGTTTGCC GTTTGTTTGCGTGATGTTGCCGTTTAAATTTGTTCCGCCGGAAAGCAGCAGGGTGCGGTC

GCCAAACCAACCGTTGTAGGCAATTTCTTTTTTGCTATCCAAGCTGTTGTTATTGCCGGT TGTAGCAATATCTTTATTGCCTGTAATGGTAACGGTGGATTCTTTGTCTTGATTGTGTT GACAATCATCGCCCCTTCATCGGTATTTTGAATACGGTGGAACGAAAGCGAATGCCCGTT TAAATCCAAACGTCCGCCGCGAAAGCCGAAATAGAGTTTGTCGGGGTTGAACTGATTATC GGCATTCAGTTGCACCGTACCCCTGCCGCTGACCAAGCCGATTTCACTAAAGGCTTGTTT TTTGCCTTTATCGTCTGCCTGCTGATCCAAAATGACTGTACCGTCGCCCACGCTGATCGA GCCTTGGTTTTCCCCTTTGGCTTGAACGTGCAGCGTGCCTTTGCCGATTTTGGACAGGCG GTCGTTTGCCACGCCGTTTACTTTCCAAGTAACGGTACTGTCTTCACTGATATGAACGCC CGCGCCTTGCCAAGTTTCGTTATTTTCAGGCGAGACCGTAAAATCTCCTTGGAAATATAA TCCTCCAGCACCTTGATTGATGTTGCTGGTAAGTATCAATTCGCCTTTTCCTTCGTCAAT AAAGGAAA TATTTTCTCCATTATTCAGTCTGGGTCGATAACTGTTGACACCACCTGCAGC ATGATAAACAGGTTCTCTTGCTGTCTCGGATAAAGAAACATTAAACAATTGAACGGTTCG TGTTTTTAATCTATTAGGCAGAGAATTGTGTTCATGTTTGGCATTGATTTTTCCTGTGCC ATTATTATCGTCGTTAAAAGAGTATTTCCCATTTTGACGTGGTTCGTAGAATACTGAATG GGTATCTCCAGCAAAGATTTCATCATAGAACCAATCTTTACGAACCAGCTGGAAGCCATT TTGGGCATCATAGATAAACATTGGTGAGCCACTGTCGCCAAATGAGCCTCCTGTTGGTAA AAAACCATATGGGCTATGTTTAATTTTTTCACTACCTAAGTTGACTGTGCCACCACCTGA TCCATTTTGTGCAAAGGTATTGCCACCAACGAGCCAAGAATACGCACTTGCAATATGATA GGTCATTTCAACAGGTTCTGCATCTGTGACAAATTTATGCAAACGCGGCATATGATAATC GCCGCCATAAGGATGGCCTTTAGTCCCTGCTTTATAATTATTCCGTTTCACAATTTTATA AGTAAAACGATGTTGATCGGGATTTCTTCCTTCCGCACCAAAATCAACGTTGTTATAGCC GCCGTTATGTGCCACGCTCACAATATATTGATCGCCCACCAATGCCGCCACGCCGTTACG CGACACCACAGAAAAATCAATCATCGGGGCTTTTGTCATTGATTTGCCGACCAACTCCCC TTTTTTGTTGTAAACCTCAATATCTTTCGCCCCGACTGCAAACTTGCCTTTATTTTCGGC AAAGTCGCGATAGTATTGGTAGTTGATGCCGAAATAAGTGTGTCCCGCCCAGGCTTGGGG AAGAATGCCGAACGACAGGCATATGGCTAAGTAAGCAGGCGAGAAGCGGATGCGGCCGGT TTATCTGACGGGATTCGGGTTTGTTTGGGAGGGCGCGCCTTCCGCTTCCGGGCGGCGCGC GGGATGTGCCTATATGTGCGGTTCGGCGTTCGGGCGGATATGAAGCACGCCCTAGGATTT GTCATTAATTTTTGCCTTGGTCTCGGCTTCTTCCAATCACGAAAGCACCCGCCAAGGCAA ACACTGTGCCGCCGGCAAGGGAGGCGGCGGTTGCGGGGTAGCCGCTCCATACGAGGAAGA CGGCAAAAAGCAGTATCAGGATGGCGCTGATGAAGCCGTACAGTTGCCCGCGCCTGTTGA AGGTTTGGTCTTGCCGTATGGTTTCGTGCCGGACGGCTTGTTCTTTTTCCGCCATTGCCA TAATGCGGTCTGCCCCGTTGCTGATAATGTCGTTGTATTGCGCCAAGTCGGACGGCGGCG GCAACGGTCCCGAATGGAAACACCGGGCTATCATTATTTGCACGTACTCGTCGGACAGGA TTTGCTCGACAAGCTCCGGGGATTTGACGACGGTTTCGACAGCCTGCCGCGCCTTGTCCT GTGCGTTTTCGGTCATTTTCGCGCTTTCTCTATGGCGCGTTGAAAATCGCCGCCGATGTT TTTGAGATCGTCGGCGGATTGGGGCGGATGGCGGTTTTTGCGGGATGGAACAGACCCAG CAGCGAGCCTATACCGAGCAGGAGGGCGTATGTGTTTCGTTTTTCATATGGTTATATAT TAGGTCAGGCGGACGGATTTATCAAGCATTTTTGCGGTTTTATACCGTCTGAAAGCCAAA CCGTCGGACTTCAGACGGCATTTGCTATAATCGCGGCTGTTTTGAATTTTCGGGGGTTTT ATGTCGGATAACGTTCCAACGATTGCGGCAGTCGCTACCGCACCAGGGCGCGGCGGCGTG GGCGTGATACGCATATCGGGGAAAAACCTGCTGCCGATGGCGCAGGCTTTGTGCGGGAAA GACAGCGGGCTTTTGCTGTTTTTTGCCGCACCGGCAAGTTTTACGGGTGAAGATGTCATC GAGCTTCAGGGACACGGCGGGCCGGTGGTGATGGATATGCTGCTGAACCGCTGTTTGGAA GCGCGTCTGGCTTTGCGCTCGCTCAAGGGCGATTTTTCGCGGCGGATACACGGTCTGGTC GAAGACTTGATTACCTTGCGGATGCTGGTCGAAGCGACGTTAGATTTTCCCGAGGAAGAC ATTGATTTTCTCGAAGCGGCAGACGCACGCGCGAAACTGGACGGCTTGCGCCGCCGCGTG GATGATGTGCTTGCCAACGCGCAGCAGGGCGCGATTTTGCGCGAAGGTCTGAATGTCGTA GTGGCGATTGTTACCGATATTGCCGGAACGACGCGCGACGCGGTCAGGGAACGTATCCTG GTCGAGCGTATCGGCATCGAACGCAGCCGCAAAGCCGTATCCGAAGCCGATGTCGCGCTG GTGTTGGTCGATCCGCGCGAGGGTTTGAATGAAAAGACACGGGCGATTTTGGACGCGTTG GGCGGGTTCGGTACGGGCGCGGAAACCGTCATCGCGTTGTCGGCGAAAACCGGCGACGGC TTGGACGCGCTGAAACGGACGTTGTTGCGCGAGGCCGGTTGGCAGGGCGAAAGCGAAGGG TTGTTTTTGGCGCGGACGCGCACGTCAACGCACTCAAAGCAGCGCAGGAAGAATTGTCG CTGGCGGCATTGTGCGGCAACCATCAAATCGAGCTGTTTGCCGAACACTTGCGCTTGGCG CAGGTCGCATGCGGCGAAATCACGGGCGAGTTTACGGCGGACGACCTGCTCGGCGTGATT TTTTCGAGGTTTTGTATCGGAAAATAAACGGATCGAAAGCATCGTGGTGGTGCCGGCTG AACATTCCGTTATCCCATAAAAACGGGAATCCGATCCGTTTGGTTTTATAGTGGATTAAC AAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACT TGGTGCTTGAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACT GGTTTTTGTTAATCCACTATAGTTTTTTTGAATTTCGGGCAACGCTTGAATCTTCATTCC GCGCAGGCGGAAATTATCGGTGCGGTACGGCAACTTTTTTCGATATGAAAAGACCGTCAT TCCTGTAAAAACAAAAAATCAAAAACAGAAAATTGAAATTCGTCATTCCCGCGCAGGCGG GAATCCAGGACGTAAAATCTATAGTGGATTAACAAAAACCAGTACAGCGTTGCCTTGACT

TCCGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAAAGAAA CCGTTTTTCTCGATAAGTTTCCGTGCCGACAGACCTGGATTCCCACTTTCGTGGGAATGA CGGTGGAAAAGTTGCCGTGATTTCGGATAAATTTTCGTAACGCATAATTTCCGTTTTACC CGATAAATGCCCGCAATCTCAAATCCCGTCATTCCCCAAAAAACAAAAAATCAAAAACAGA AATATCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAG ATTATCTGAAAGTCCGGGATTCTAGATTCCCACTTTCGTGGGAATGACGAATTTTAGGTT TCTGTTTTTGGTTTTCTGTCCTTGCGGGAATGATGAAATTTTAAGTTTTAGGAATTTATC GGAAAAACAGAAACCGCTCCGCCGTCATTCCCGCACAGGCTTCGTCATTCCCGCGCAGG CTTCGTCATTCCCGCATTTGTTAATCCACTATATTCCCGCCGTTTTTTTACATTTCCGAC AAAACCTGTCAACAAAAAACAACACTTCGCAAATAAAAACGATAATCAGCTTTGCAAAAA CATTGTTCCGTCTCAGCCTGCTCTCGCTTACCCTGGCGGCAGGTTTTGCCCATGCGGCAG AAAATAATGCCAAGGTCGTACTGGATACCGTTACCGTAAAAGGCGACCGCCAAGGCAGCA AAATCCGTACCAACATCGTTACGCTGCAACAAAAAGACGAAAGCACCGCAACCGATATGC GCGAACTCTTAAAAGAAGAGCCCTCCATCGATTTCGGCGGCGGCAACGGCACGTCCCAAT TCCTGACGCTGCGCGCATGGGTCAAAACTCTGTCGACATCAAGGTGGACAACGCCTATT CCGACAGCCAAATCCTTTACCACCAAGGCAGATTTATTGTCGATCCCGCTTTGGTTAAAG TCGTTTCCGTACAAAAAGGCGCGGGTTCCGCCTCTGCCGGTATCGGCGCGACCAACGGCG CGATCATCACCAAAACCGTCGATGCCCAAGACCTGCTCAAAGGCTTGGATAAAAACTGGG GCGTGCGCCTCAACAGCGGCTTTGCCAGCAACGAAGGCGTAAGCTACGGCGCAAGCGTAT TCGGGAAAGAGGGCAACTTCGACGGCTTGTTCTCTTACAACCGCAACAATGAAAAGATT ACGAAGCAGGTAAAGGCTTCCGTAATAATTTCAACGGCGGCAAAACCGTACCGTACAGCG CGCTGGACAAACGCAGCTACCTCGCCAAAATCGGAACAAGCTTCGGCGACGGCGACCACC TTACCGTCGGCGGCGATAAAGAGCGAATAAGTATGGAACGCCAAGCCCCTGCTTACCGCG **AAACCACACAATCCAACACCAATTTGGCGTACACGGGTAAAAACCTGGGCTTTGTCGAAA AACTGGATGCCAACGCCTATGTGTTGGAAAAAGAACGCTATTCCGCCGATGACAGCGGCA** CCGGTTACGCAGGCAATGTAAAAGGCCCCAACCATACCCAAATCACCACTCGGGGTATGA ACTTCAACTTCGACAGCCGCCTTGCCGAACAACCCTGCTGAAATACGGTATCAACTACC GCCATCAGGAAATCAAACCGCAAGCGTTTTTGAATTCACAATTTAAAATTGAAGATAAAG AAAAAGCAACTGATGAAGAGAAAAATAAGAACCGTGAAAATGAAAAAATTGCCAAAGCCT ACCGTCTGACCAACCCGACCAAAACCGATACCGGCGCGTATATCGAAGCCATTCACGAGA TTGACGCTTTACCCTGACCGCCGGCTGCGTTACGACCGCTTCAAGGTGAAAACCCACG ACGGCAAAACCGTTTCAAGCAACAACCTTAACCCGAGTTTCGGCGTGATTTGGCAGCCGC ACGAACACTGGAGCTTCAGCGCGAGCCACAACTACGCCAGCCGCAGCCCGCGCCTGTATG ACGCGCTGCAAACCCACGGCAAACGCGGCATCATCTCGATTGCCGACGGCACGAAAGCCG **AACGCGCGCGAATACCGAAATCGGCTTCAACTACAACGACGGCACGTTTGCCGCAAACG** GCAGCTACTTCTGGCAGACCATCAAAGACGCGCTTGCCAATCCGCAAAACCGCCACGACT CTGTCGCCGTCCGTGAAGCCGTCAATGCCGGTTACATCAAAAACCACGGTTACGAATTGG GCGCGTCCTACCGCACCGGCGGCCTGACTGCCAAAGTCGGCGTAAGCCACAGCAAACCGC GCTTTTACGATACGCACAAAGACAAGCTGTTGAGCGCGAATCCTGAATTTGGCGCACAAG TCGGCCGCACTTGGACGGCTTCCCTTGCCTACCGCTTCCAAAACCCGAATCTGGAAATCG GCTGGCGCGCCGTTATGTTCAAAAAGCCGTGGGTTCGATATTGGTGGCAGGTCAAAAAG ACCGCAACGGCAAATTGGAAAACGTTGTACGCAAAGGTTTCGGTGTGAACGATGTCTTCG CCAACTGGAAACCGCTGGGCAAAGACACGCTCAATGTTAATCTTTCGGTTAACAACGTGT TCAACACGTTCTACTATCCGCACAGCCAACGATGGACCAATACCCTGCCGGGCGTGGGAC GTGATGTACGCTTGGGCGTGAACTACAAGTTCTAAAACGCACATCCCGAAAAAATGCCGT CTGAAAGCCTTTCAGACGGCATCTGTTCTGATAATTTGATATATAGTGGATTAACAAAAA CCAGTACGGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCAC CAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTT TTGTTAATCCACTATAAAGACCGTCGGGCATCTGCAGCCGTCATTCCCGCGCAGGCGGGA ATCTAGACCTTAGAACAACAGCAATATTCAAAGATTATCTGAAAGTCCGAGATTCTAGAT TCCCGCTTTCGCGGGAATGACGAAAGGTTGCGGGAATGACGAAAAGTGGTGGGAATGACG AAAAGTGATGGGAATGACGAAAAGTGATGGGAATGACGGTTCGGGCATTCCTTAAATTAC CCGTGTATCGCTGTAAATCTTAGAGATGGCGGAATATAGCGGATTAACAAAAACCAGTAC GGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGA ATCAGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAA TCCACTATAGATTATCATTTATCCTTTCTAAAGCCGTTCCGGTTTGTCCGACCGGCGGCT TTGCCCCAATATCCCCATTTTGGAGACACCTATGTTACGTTTGACTGCTTTAGCCGTATG CACCGCCTCGCTTTGGGCGCGTGTTCGCCGCAAAATTCCGACTCTGCCCCACAAGCCAA AGAACAGGCGGTTTCCGCCGCACAAACCGAAGGCGCGTCCGTTACCGTCAAAACCGCGCG CGGCGACGTTCAAATACCGCAAAACCCCGAACGCATCGCCGTTTACGATTTGGGTATGCT CGACACCTTGAGCAAACTGGGCGTGAAAACCGGTTTGTCCGTCGATAAAAACCGCCTGCC GTATTTAGAGGAATATTTCAAAACGACAAAACCTGCCGGCACTTTGTTCGAGCCGGATTA CGAAACGCTCAACGCTTACAAACCGCAGCTCATCATCATCGGCAGCCGCCGCCGCCAAGGC GTTTGACAAATTGAACGAAATCGCGCCGACCATCGAAATGACCGCCGATACCGCCAACCT CAAAGAAAGTGCCAAAGAGCGCATCGACGCGCTGGCGCAAATCTTCGGCAAACAGGCGGA agccgacaagctgaaggcggaaatcgacgcgtcttttgaagccgcgaaaactgccgcaca AGGTAAGGGCAAAGGTTTGGTGATTTTGGTCAACGGCGGCAAGATGTCGGCTTTCGGCCC GTCTTCACGCTTGGGCGGCTGGCTGCACAAGACATCGGCGTTCCCGCTGTCGATGAATC **AATTAAAGAAGGCAGCCACGGTCAGCCTATCAGCTTTGAATACCTGAAAGAGAAAAATCC** CGACTGGCTGTTTGTCCTTGACCGAAGCGCGGCCATCGGCGAAGAGGGGTCAGGCGGCGAA AGACGTGTTGGATAATCCGCTGGTTGCCGAAACAACCGCTTGGAAAAAAGGACAGGTCGT GTACCTCGTTCCTGAAACTTATTTGGCAGCCGGTGGCGCGCAAGAGCTGCTGAATGCAAG

CAAACAGGTTGC CGACGCTTTTAACGCGGCAAAATAATGAAACGGCGGCATTCGATGCCG TCTGAAACACGGATGCAAACCGCCTCCTGTGTTTCAGACGGCATTGCCCGATACGGAGGC TTCAAACAAGGC TTTCCGCTCCGACGGTTCGGACTGCCTTGTTTGAATCTTCTACGCCTT AACGCTTTTCCCTTCTGTTTATGACTGCCAAACCTTTTTCCCTCAACCTGACCAACCTGC TGCTGCTGGCGGTGTTGTTTGCCGTCAGCCTGTCGGTGGGCGTTGCCGATTTCCGCTGGT CTGATGTGTTTT CACTGTCCGACAGCCAGCAGGTCATGTTCATCAGCCGCCTGCCGCGCA CGTTTGCGATTGTGCTGACGGCGCGCGTCGATGGCGGTGGCCGGCATGATTATGCAGATTT TGATGCGCAACCGTTTTGTCGAACCGTCGATGGTGGGCGCAAGCCAAAGCGCGGCTTTAG GTTTGCTGCTGATGACCCTGCTGCTGCCGGCCGCCGCCGCCGCCGAAAATGTCGGTTG CCGCCGTTGCCGCCGCTGATCGGGATGTTGGTCTTTATGCTGCTGATCCGCCGCCTGCCGC CGACCGCGCAACTGATGGTGCCTTTGGTCGGGGATTATTTTCGGCGGTGTGATTGAGGCGG TAGCCACCTTTATCGCGTATGAAAACGAAATGCTGCAAATGCTCGGCGTGTGGCAGCAGG GCGATTTTCGAGCGTGCTGCTGGGGCGGTACGAGCTGCTTTGGATTACGGGCGGTTTGG CGGTGTTTGCCTATCTGATTGCCGACCGGCTGACGATTTTGGGGCTGGGCGAAACGGTAA GCGTGAATTTGGGTTTGAACCGGACGGCGTGTTGTGGTCGGGTTTGATTATTGTGGCTT TGATTACGTCGCTGGTTATCGTTACGGTCGGCAATATTCCGTTTATCGGGCTGGTCGTGC TGCTGGGCGCATCTTTGGTGTTGCTGTGCGACATTATCGGACGCGTGATTGTGTTTCCGT TTGAAATTCCGGTCTCTACGGTTTTTGGTGTATTGGGTACGGCTTTGTTTTTGTGGCTTT TGTTGAGGAAACCCGCCTATGCCGTCTGAAAAAAATATCGGTTTTATGGCAGGAAGCAGC CGCCCGTTGTGGGTCGCCTTTGCGCTGTTGCTGGTTTCCTGCGTCCTGTTTATGACGCTC AACGTCAAAGGCGATTGGGATTTTGTTTTGCAACTGCGGCTGACCAAACTTGCCGCGCTG CTGATGGTCGCCTATGCGGTCGGCGTGTCCACGCAACTCTTCCAAACGCTGACCAATAAT CCGATTCTGACCCCTTCAATTTTGGGTTTCGATTCGCTGTATGTGTTTTTTGCAGACCTTG CTGGTGTTTACGTTCGGCGGCGTGGGCTATGCTTCCCTGCCGTTGACGGGCAAATTCGGC TTTGAACTGGTCGTCATGATGGGCGGCTCGCTGCTGCTGTTCTACACGCTCATCAAACAG GGCGGACGCGATTTGTCGCGCATGATTTTAATCGGCGTGATTTTCGGGATTTTGTTCCGC AGCCTGTCGTCGCTGCTTTCGCGCATGATCGATCCCGAAGAATTTACCGCCGCGCAGGCG AATATGTTTGCCGGATTCAATACCGTCCACAGCGAGCTTTTGGGCATAGGCGCGCTGATT CTGCTCGTCAGCGCGGCGGTCGTTTGGCGCGAACGCTACCGCTTGGACGTTTACCTTTTG GGGCGTGACCAAGCCGTCAATTTGGGCATCAGCTACACGCGCAACACCTTATGGATACTG CTTTGGATTGCCGCATTGGTGGCGACGGCGACCGCCGTGGTCGGCCCCGTAAGCTTTTTC CTGCCGATGACGGTTTGTATCGGCGGCATCCTCTTGGTCGGCGGACAGACCGTGTTCGAA CACCTGCTCGGTATGCAGGCAGTGTTGAGCGTAGTAGTAGAATTTGCCGGCGGACTCGTT TTCCTCTATCTCGTTTTAAAACACAAAAAATGACGGATGCCGTCTGAACGGCCGCCGCCC. CGAAAGGACAAACCATATGACACAAGAACATTTCCCATCATTCTTCAACCAAGCCCCGAC CATTACCGTCCAAGACGCATTGGCCGAATTCCTCGGCGCGGGCCGAAAACGGCATCCTCAC TTACCGCTACGCCGATGCCGTGCGCCTGTGCGGACATTCCTGCCCGACCGTCGCGGGCGC GTACCTGATGGTTATCAAAGGTCTGAAAGCACTTTACGGCGAAGAGCTGCCCGAACGCGG CGGCATCGAAGCCTTTATGCAGGGCGCGCGCGACGAAGGCACGGTCGGCGTAACCGCGTC CGTCGTCCAACTCCTCACCGGCGCAGCCCCCGAAACCGGCTTTGGCGGCATCGGAATGCA GGGACGCTTTGCCCGCCGCCACCTCTTATCCTTTGGTGTAGGCGAAATCAACGGCACACT GACCCTGCGCCGCAAAGACAACGGCAAAACCGTCGCCGTCGGCCTCAACGCCGCCCTGCA ACCCTTCGCACCCGAAATGCGCGACATCATGCCCAAAGCCGTCAGCGGCAGCGCAAGCGC AGAAGAACTCGAACGCTTCGGACAACTCTGGCAGGCACGCGTTAAAGCATTTTTAACCGA ATCGGCGGACGACCCGCAGTTCGTCATCGTCCGCGAAGTGTGAGCGTTCAGACGGCATTC CGAATTTCAAATGCCGTCTGAACCCCGCCAAACAACAACAAACCTACGCCCGACAAGCAT CCGCCATGATTACCATCCGCAACGTCAGCTACCGCATCGGCACACGCCCCATCCTCGACA ACGTCAGCCTCGACATCCCCGAAGGCGGCATTACCGCCCTCGTCGGCCCCAACGGTGCGG GCAAATCCACCTGTTTTCCTTTATGGCGCGGCTGCGACCGCTTGAAAGCGGCAGCATCG CCTACCGAGGCAAAAATCTTGCCGATACCCCCACCGCCGAACTCGCCAAAACCCTGTCCA TCCTCACCCAAGAAAACAGCATCATGAGCCGCATCACCGTGCGCGACCTGCTGATGTTCG GCCGTTACCCCTACCATCAAGGCAGACCGACTGCCGAATGCCGCCGTATCGTTAACGGTG CAATCGAAGAATTCCACCTGCAAGACCTCTCCGACCGCTACCTGACCGAGCTTTCCGGCG GCCAACGCCAACGCGCCATGATTGCGATGGTGTTCTGCCAAAGCACCGACTACGTCCTTT GCCGGCTGACCGACGAACACAAGCGCACCACCGTCGTCGTATTGCACGACATCAACCAGG CAGCAGCCTACGCCGACCACGTCGTCGCCATGAAAAACGGCCAAGTCGCCATGCAGGGCA AACCCAACGATATTTTCACCGCCGCAAACATCAAAACCCTATTCGATATGGACGTCGACG TCCTCGATTACGAAGGCAAAAAATTGGTTATCCACCATATCTAAATCCGACAAAAAAGGCC GTCTGAACATTCAGACGGCAACCCATATCCTGACAAAATTAAGACACGGCAGCACACGGCAGAA TTGACATCAGCATAATATGCACATATTAACAGATATTAATGCCGAACTACCTAACTGCAA TATGCCTCCTTTCATATATACTTTAATATGTAAACAAACTTGGTGGGGATAAAATACTTA CAAAAGATTTCCGCCCCATTTTTTATCCACTCACAAAGGTAATGAGCATGAAACACTTTC CATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGCGCACTGGCAGCCA CAAGCGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCTGCCTACAACAATG GCCAAGAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATTGGTGAAGACGGCA CAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGACTTTAAAGGTCTGG ATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACCAAGTTAGCAGACA CTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACCAACGCCTTGAATA **AATTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATTG** ATGAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATA

TCGCCGATTCATT GGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAAACCGCCAATG AAGCCAAACAGAC GGCCGAAGAAACCAAACAAAACGTCGATGCCAAAGTAAAAGCTGCAG AAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGG CCGAAGCTGTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGCTG ATATTGCTAAAAACTCAGCACGCATCGACAGCTTGGACAAAAACGTAGCTAATCTGCGCA AAGAAACCCGCCAAGGCCTTGCAGAACAAGCCGCGCTCTCCGGCCTGTTCCAACCTTACA ACGTGGGTCGGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTCG CCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTCG GCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCGGCGTCAATTACGAGTGGTAAGCAG CATCTCCCGATAAAGAAACCGCAGCCCTGCAAGGCTGCGGTTTTTATTTTCTATCCGGCC GTCAGACTGCCGCGTCCGAACGTTCGCCCGTGCGGATACGGATTGCCTCCTCAACCGGCA GCACAAAAATCTTGCCGTCGCCGATTTTTCCCGAACGCGCCACCTCGAAATCACGTCAAT CGCGCGTTCCACAGCATCATCCGCCAACACCAGCTCGATTTTGATTTTGGGCAGGAAATC GACCTCGCTGACGGTCATGCCCGTAATGCCGATTTCCGTCAACGCCTCGCGCACGTCGTC ATACAAACACATCCGAAAAACGGGAACCTCCCGTCAGATTGTCAACATTTTAAGCCAAAA TACCCAAGCAATACAGCCCCGTTGCGCGTATAATGACAGATTTTCCAACCGCATTTGAGA GCCGAATCCATGTCTGTCGTTTTGCCCTTGCGCGGCGTTACCGCCCTTTCCGATTTCCGT GTTGAAAAACTCTTGCAAAAAGCCGCCGCACTCGGTCTGCCCGAAGTCAAATTAAGCAGC GAATTTTGGTATTTCGTCGGCAGCGAGAAAGCACTTGATGCCGCGACTGTCGAAAAACTG CAAGCCTTGTTGGCGGCGCAAAGCGTTGAACAAACGCCAAAAGCGCGCGAGGGCTTGCAT TTGTTTTTGGTCACGCCCCGTTTGGGTACGATTTCGCCGTGGGCTTCCAAGGCGACCAAT ATCGCGGAAAACTGCGGTTTGGCAGGCATCGAACGCATCGAGCGCGGTATGGCGGTGTGG CTGGAAGGTCGTCTGAACGATGAACAGAAACAGCAATGGGCGGCTTTGCTGCACGACCGC ATGACCGAAAGCGTGCTGCCCGATTTTCAGACGGCCTCCAAATTATTCCACCATCTCGAA TCCGAAACTTTCTCCGGCGTCGATGTTTTGGGCGGCGGTAAAGAAGCTTTGGTCAAAGCC AATACCGAAATGGGCTTGGCACTTTCCGCCGACGAAATCGATTATCTGGTCGAAAACTAT CAGGCTTTGCAGCGCAATCCGTCCGATGTTGAATTGATGTTCGCGCAGGCAAACAGC GAACACTGCCGCCACAAAATCTTCAACGCCGATTTCATCCTCAACGGCGAAAAGCAGCCC **AAATCCCTCTTCGGTATGATACGCGACACACACACGCGCATCCCGAAGGCACGGTCGTT** GCCTATAAAGACAATTCGTCCGTAATCGAAGGCGCGAAAATCGAGCGTTTCTATCCGAAT GCGGCGGAAAACCAAGGCTACCGTTTCCACGAGGAAGACACGCATATCATCATGAAAGTG GAAACGCACAACCACCGACCGCCATCGCGCCGTTTGCGGGTGCGGCGACGGGCGCGGGC GGCGAAATCCGCGACGAAGGCGCGACGGGCAAAGGTTCGCGTCCGAAAGCGGGCCTGACC GGCTTTACCGTGTCCAACCTCAATATTCCCGACCTCAAACAGCCGTGGGAACAAGACTAC GGCAAGCCGGAACATATTTCCTCGCCGCTGGACATCATGATTGAAGGCCCGATCGGCGGC GCGGCGTTCAACAACGAATTCGGCCGCCCCAACCTCTTGGGCTACTTCCGCACTTTTGAA GAAAAATTTGACGGTCAGGTTCGCGGCTATCACAAACCGATTATGATTGCCGGCGGCTTG GGCAGCATTCAGGCGCAGCAGACGCATAAAGACGAAATCCCCGAAGGCGCATTGCTGATC CAACTGGGCGGCCCGGGTATGCTTATCGGCTTGGGCGGCGGCGCGGCTTCTTCGATGGAT ACCGGCACAAACGACGCGTCTTTGGACTTCAACTCCGTGCAACGCGGCAACCCCGAAATC GAACGCCGCGCGCAGGAAGTCATCGACCGCTGCTGGCAGCTCGGCGGCAAAAACCCGATT ATCTCCATCCACGACGTAGGCGCGGGGGGGCCTGTCCAACGCCTTCCCCGAACTGGTCAAC GATGCCAGACGCGGCGCAGTATTCAAGCTGCGCGAAGTGCCGCTTGAAGAACACGGCCTC AACCCGCTGCAAATCTGGTGCAACGAATCGCAAGAGCGTTATGTGTTGTCGATTTTGGAA AAAGATTTGGATGCTTTCCGCGCCATCTGCGAACGCGAACGCTGCCCGTTTGCCGTAGTC GGCACGGCGACTGACGACGGTCATTTGAAAGTACGCGACGATTTGTTCGCCAACAATCCC GTCGATTTGCCGTTGAACGTCTTGCTCGGCAAACTGCCCAAAACCACGCGCACCGACAAA ACGGTTGCACCGTCCAAAAAACCGTTTCACGCGGGCGATATCGACATTACCGAAGCCGCC TACCGCGTTTTGCGCCTGCCTGCCGTAGCCGCCAAAAACTTCCTGATTACCATCGGCGAC CGCAGCGTCGGCGGTTTGACGCACCGCGACCAAATGGTCGGCAAATATCAAACTCCAGTA GCCGACTGCGCCGTTACCATGATGGGCTTCAACACCTATCGCGGTGAAGCGATGTCTATG GGCGAAAAACCGACCGTCGCCCTGTTTGATGCGCCTGCTTCGGGCAGAATGTGCGTCGGC GAAGCCATCACCAACATCGCGGCGGTCAACATCGGAGACATCGGCAACATCAAACTCTCC GCCAACTGGATGGCGGCGTGCGGCAACGAAGGCGAAGACGAAAAACTCTACCGCACTGTC GAAGCCGTTTCCAAAGCCTGTCAGGCATTGGATTTGAGCATCCCCGTGGGCAAAGACAGC CTGTCGATGAAAACCGTTTGGCAGGACGGCGAGGAGAAAAAATCCGTGGTTTCACCGTTG AGCCTGATTATCTCAGCGTTCGCGCCTGTGAAAGACGTACGCAAGACTGTTACGCCTGAG TTGAAAAACGTCGAAGACAGCGTATTGTTGTTGTCGATTTGGGCTTCGGCAAAGCGCGT ATGGGCGGTTCGGCGTTTGGTCAGGTGTACAACAATATGAGCGGCGACGCCCCGATTTG GACGATACAGGTCGTCTGAAAGCCTTTTACAGTGTGATTCAGCAGCTTGTTGCCGAAAAC AAACTCTTGGCGTATCACGACCGCAGCGACGGCGGCTTGTTTGCCGTTTTGGTAGAAATG ATTACCAACCATACCGCTCTGTCTCAATCATTGCGGACTGAAGAGGTAAAAGCGTTGGCT GAATGGCAAGAAACCATTGCCCGCACATTATTTAATGAAGAGTTGGGTGCTGTTATCCAA GTTAGAAAACAAGATGTTGCCGATATTATCAATTTATTCTATCAACAACAGCTGCATCAT **AATGTCTTTGAAATCGGTACGTTAACTGATGAGAACACGTTAATCATCCGCGACGGGCAA** ACGCACCTTATTTCTGACAACCTAATCAAACTGCAACAAACCTGGCAAGAAACCAGCCAT. CAAATCCAACGCCTGCGCGACAACCCTGCCTGCGCCGACAGCGAGTTCGCACTGATTGGC GACAACGAACGCAGCGCATTGTTTGCCGACGTGAAGTTCGACGTGAACGAAGACATCGCC GCGCCGTTTATCAACAGCGGCGCGAAACCCAAAATCGCCATCCTGCGCGAACAGGGCGTA **AACGGGCAAATCGAAATGGCCGCCGCCTTTACCCGCGCCGGATTCGATGCTTACGACGTG** . CATATGTCCGACCTGATGGCAGGCCGCATCCACCTCGCCGACTTCAAAATGCTGGCGGCG TGCGGCGGCTTCAGCTACGGCGACGTACTCGGCGGGGGGGAAAGGCTGGGCGAAATCGATT

CTGTTCCACCCTGCTCTGCGCGACCAGTTTGCCGCCTTCTTCGCCGACCCGGACACGCTG ACATTGGGCGTGTGCAACGGCTGCCAAATGGTCAGCAACCTTGCCGAAATCATCCCCGGC ACGGCAGGCTGGCCGAAGTTCAAACGCAACCTGAGCGAACAGTTTGAAGCACGCCTGAGC ATGGTTCACGTTCCGAAATCAGCGTCGCTGATTCTGAACGAAATGCAAGGCTCCAGCCTG CCTGTCGTGGTCAGCCACGGCGAAGGCCGCCGCCGACTTCGCGCTTCACGGCGGCAATATT TCCGCCGATTTGGGCATTGCGCTGCAATACATCGACGGACAAAACCAAGTGACCCAAACT TATCCGCTCAACCCCAACGGCTCGCCTCAAGGCATCGCCGGCGTTACTAACGCCGACGGC CGCATCACCATCATGATGCCCCACCCCGAACGCGTGTACCGTGCCGCGCAAATGAGCTGG AAACCGGAAGGCTGGACGGAACTGTCCGGCTGGTACCGCCTCTTTGCCGGCGCACGTAAA GCCTTGGGCTAACCGCCCTACTCAAACCAATGCCGTCTGAAGAATATTTCAGACGGCGTT CCGGCATACCATCCTTTAAACGGTATCCGTCCACCGAGGAACACTCATGAAAATCACCCC CGTCAAAGCCCTAACCGACAACTACATCTGGATGATACAGCACGGCAACCATGCCGTCTG CGTCGACCCTTCCGAACCCTCGCCCGTCTTGGAATTCCTCGTCCGCAACCGCCTCATGCT TGCCCAAACATGGGTAACTCACCCCCATCCCGACCACGAGGGCGGTGCGGCGGCACTCTG GCGCGGCTACATGGAATCGCCCGTTTACGGCGAATCCGACATCGAAGCAGCAACCCACAC CGTAACCGCCGGCACCCAATTCACCTTCGGCGACGGACAGGTTACCGTTTGGGCAACACC CGGCCACACAGACCGCCACACCAGCTACCTTCTCGAAACTTCAGACGGCATACACGTCTT TTGCGGCGACACCCTTTTTTCCGCCGGCTGCGGACGCGTGTTTACCGGCACAATCGAACA GCTTTACGACAGCTTCCAACGCTTCAACCGCCTGCCTGAAAACACCCCTGTTCTATCCGGC GCACGAATACACCGCCGCCAACCTGCGTTTCGCCGCCCATATCGAGCCGGACAACGCCGA CATTCAGACGGCACTGAAAGCGGCGGCGCATACGCCTACCCTGCCCGTTACCCTCGCGCA CGAACGCCGCGTCAATCCGTTTTTGCGCGTCGACCTGCCGCACGTCAGAGACCGCGCCGA GGCATTGAGCGGGAAAACGTTAAACAGCAGCCTCGATACCTTTGTCGCGCTGCGTGAACT TAAAAACCAATACCGGACGAAATAAAACAACGGGAAAACGCAGCCATTCCTAGGATTTTT ATTAAAATCTTAAATAAAATCATACAATCATCGCCAATAGACGAAAGGACACCGTTGCCT TATAATCAAACAAAAACAAAATATATAATATAGTGGATTGAATTTAAATCAGGACAAGGC GACGAAGCCGCAGATAGTACGGCAAGGCGAGGCAACGCTGTACTGGTTTTTGTTAATCCA CTATATTGTTAA TCCACTATATAAATCCAGCACAAAACGGGATCGGTGATTCTTGTCCGC AAGAATCGTTGATTTCTCTATTACACGGATAATCATCATGCGCTTCACACACCACCCC CATTTTGTTCCGTATTGTCCACCCTCGGTCTTTTTGCCGTTTCCCCTGCTTACTCATCCA TTGTCCGCAACGATGTCGATTACCAATATTTTCGCGACTTTGCCGAAAATAAAGGCGCGT TTCTCAACGGCATCCCCATGCCCGACTTCCGCGTCAGCAACCGCCAAACCGCCATCGCCA CCCTGGTTCACCCCCAATACGTCAACAGTGTCAAACACAACGTCGGCTACGGTTCCATAC GCAACCCGCACCCGGACTACGACTACCACCTTCCCCGCCTCAACAAACTGGTTACCGAAA CCTACCTCGATACCGACCGCTTCCCCTACTTTGTACGACTCGGCTCAGGCACGCAACAAG TCCGCAAAGCAGACGCACGCGTACACGAACCGCCCCGGCATACCAATACCTGACCGGCG GCACGCCGCTGAAAGTATTGGGGTTCCAAAACCACGGCTTACTCGTCGGCGGCAGCCTGA CCGACCAACCCCTTAACACCTACGCAATCGCCGGAGACAGCGGTTCCCCCCTGTTTGCCT TCGACAAGCATGAAAACCGCTGGGTGCTTGCGGGCGTACTCAGCACCTACGCCGGCTTCG ATAATTTCTTCAACAAATACATCGTCACGCAACCCGAATTCATCCGTTCCACCATCCGCC AATACGAAACCCGGCTGGATGTCGGGCTGACCACCAACGAACTCATATGGCGCGACAACG GTAATGGCAACAGCACCCTGCAAGGGCTCAACGAACGCATCACCCTGCCCATTGCAAACC CTTCGCTTGCCCCACAAAACGACAGCAGGCACATGCCGTCTGAAGATGCCGGCAAAACGC TCATCCTATCCAGCAGGTTCGACAACAAAACACTGATGCTGGCAGACAATATCAACCAAG GCGCAGGCGCATTGCAGTTCGACAGCAACTTCACCGTCGGTCAGAAAAACCACACATGGC AAGGTGCAGGCGTTATCGTAGCCGACGGCAAACGCGTCTTCTGGCAAGTCAGCAACCCCA AAGGCGACCGGCTCTCCAAACTGGGCGCAGGCACGCTTATCGCCAACGGACAAGGCATCA ACCAGGGCGACATCAGCATCGGGGAAGGCACTGTCGTACTCGCCCAAAAAAGCTGCTTCAG ACGGCAGCAAACAAGCATTCAACCAAGTCGGCATCACCAGCGGCAGGGGCACGGCCGTCC TCGCCGACAGCCAGCAAATCAAACCCGAAAACCTCTATTTCGGCTTCAGGGGCGGACGGC TCGACCTCAACGGCAACAACCTTGCCTTTACCCATATCCGCCATGCGGACGGCGGCGCGC AAATCGTCAATCACAACCCTGACCAAGCCGCGACACTGACGCTGACCGGCAACCCCGTCC TCAGTCCCGAGCATGTCGAGTGGGTGCAATGGGGCAACCGTCCGCAAGGCAACGCGGCGG TTTACGAATACATCAACCCGCACCGCAACCGTCGGACCGACTACTTCATACTCAAACCCG GCGGCAACCCGCGCAATTTTTCCCGTTAAATATGAAAAACTCAACAAGCTGGCAATTTA ACCTGATTACCTTCGGCGGATACTTGGGTGAAAACGCGCAAACGGGCAAAGCCGCGCCGA GTTACAGCAAAACCAATGAAGCAGCCATAGAAAAAACCCGCCATATCGCAAATGCCGCCG TATACGGCCGGCCCGAATACCGTTACAACGGCGCACTCAACCTGCACTATCGTCCCAAAC GCACCGACAGCACGCTGTTGCTCAACGGCGCATGAACCTTAACGGGGAAGTCTTGATTG AGGGCGGCAATATGATTGTCTCAGGCAGGCCCGTACCCCATGCCTACGACCACCAGGCCA AACGCGAACCCGTTCTTGAAAACGAATGGACCGACGGCAGCTTCAAGGCTGCACGGTTCA CCCTGCGAAACCATGCCCGACTGACGGCAGGGCGCAATACCGCGCATCTGGACGGCGACA TAACCGCATACGATCTGTCCGGCATCGACCTCGGCTTTACCCAAGGCAAAACACCGGAAT GCTACCGCTCCTACCATAGCGGCAGCACCCACTGCACACCCCAACGCCGTTTTAAAAGCCG AAAACTATCGTGCACTACCTGCAACGCAAGTACGCGGCGACATTACCCTTAACGACCGTT CAGAGCTCCGCCTGGGCAAAGCACACCTGTACGGCAGCATCCGTGCCGGCAAAGACACCG CAGTCCGCATGGAAGCAGACAGCAACTGGACACTTTCCCAGTCCAGCCACACCGGCGCAC TGACGCTTGACGGCGCACAAATTACCCTGAACCCCGATTTCGCCAATAATACACACAACA ACCGCTTCAACACACTGACCGTCAACGGCACACTTGACGGGTTCGGCACATTCCGATTCC TGACCGGCATCGTCCGAAAACAAAATGCCCCCCCCCCTCAAACTGGAAGGGGACAGCCGCG GCGCATTCCAAATCCACGTCAAAAACACCGGACAAGAACCTCAAACAACCGAATCGCTTG

CACTTGTGAGCCTCAATCCGAAACACAGCCACCAAGCCCGATTCACCCTCCAAAACGGCT ATGCCGATTTGGGTGCCTACCGCTACATCCTCCGCAAAAACAACAACGGATACAGCCTGT ACAACCCGCTCAAAGAGGCCGAACTTCAAATTGAAGCCACGCGTGCGGAACATGAGCGCA ACCAACAGGCATACAACCAATTACAGGCAACCGACATCAGCAGACAGGTTCAACATGACT CTGACGCGACCAGGCAGGCACTACAGGCCTGGCAGAACAGTCAAACCGAACTTGCCCGCA TCGACAGCCAAGT CCAATATCTGTCCGCCCAATTGAAACAGACAGACCCGCTGACCGGCA TTCTGACGCGTGCCCAAAACCTGTGTGCCGCACAAGGATACAGTGCCGATATCTGCCGTC AGGTTGCCAAAGCCGCCGACACGAACGACCTGACACTCTTCGAAACCGAACTGGATACGT ATATAGAACGTGTAGAAATGGCCGAATCCGAACTTGACAAAGCACGGCAAGGCGGCGATG CGCAAGCCGTCGAAACAGCCCGGCACGCCTACCTGAACGCACTCAACCGTCTGTCCCGAC AAATCCACAGTTTGAAAACCGGCGTTGCCGGCATCCGTATGCCGAACCTGGCCGAACTGA AAACCGGTACGCAACAAACCGACTACCATAGCGGCACACCGTCCCTACCAACAAACTA TTTTAACCGATGAGCGCACAAACAACCGTTTTGATGAAGGCGTATCCGCCCGAAACCGCA GCAACGCCCACATCTGTTCGTCAAAGGGGAAAACGGCGCACTCTTTGCCGCGGCAGATT TAGGCTACAGCAACAGCCGTACCCGATTTACCGATTATGACGGGGCTGCCGTCCGCCGCC ACGCATGGGATGCAGGCATCAACACCGGCATCAAAATCGATACCGGCATCAACCTCAGAC AGATAAACAGCCCGGCGCAAATCCAAACCACATGGCATGCCGGCATCCGTCTCGATAAAA CCGTCGAACTGGGTCAAGCCAAGCTGACCCCCGCCTTCAGCAGCGATTACTACCATACCC GCCAAAACAGCGGTTCCGCCCTCAGCGTCAACGACCGTACCTTACTGCAGCAAGCCGCCC ACGGCACACTGCATACCCTGCAAATCGACGCCGGATACAAAGGCTGGAACGCCAAACTTC ATGCCGCTTACGGCAAAGACAGCAACACCGCCCGCCACAAACAGGCAGGAATCAAAATAG GCTACAACTGGTAACAAGCCGATAAAAATGCCGTCTGGAACCCGCGTTTCAGACGGCATT TGCGTTAAAAATAGTAAACCGTTCCAAAAGGGAGTAGAATAGTGCCGTTTCCAACCCTGC GCCTGTACCGTCAGGCTTTTATTATGGACCTTCCCAGTTCGTTTTTACTGAACACCCCAT CATTTATGAGCATCGAACCAACCCCTCCGAACCTTGAAAACGACGCTATCGAAAACGATG TAGAACGCGTTTCCGCCGATTTCGACCGTGTCCACTCCCTCTGCGAAATCCTCGAACCTG CTTTTGAACAAATCGAAAACGGTACACCGCTCGAAGACGCGCCGCTGCGCGACAAGCTGA CCGAGCTGACCGTCCTCTTGAGCGAGCTGCACCCTGCCGACGTGGCGGCGGTATTGGAAT CGCTACCGCCGCGCGAACGCAATATCGTCTGGATTCTGGTCAAACCGGAAGACGACGGCG **AAGTATTGCTGGAAGTATCCGACGCGGTGCGCGAAACGCTGATCGAGTCGATGGACAAAG** ACGAATTGTTGGCAGCGGTCGATGATTTGGACGCGGACGAATTGGCGGAACTGGCAGACG ATTTGCCGCACCAAGTGGTTTACGAAGCGCTACAAACCCGCGATGAGGAAGAACGCGCCC **AAGTCAAAGCGGCAATGTCCTACGAAGACAACCAAGTCGGTGCGATTATGGACTTCGAGT** TGGTCAGCATCCGCCGATGTCGCCTGTGAAGTGGTGCTGCGCTATCTGCGCCGCTTCG ACAGCCTGCCCGACCATACCGACAAGATTTTTGTGGTCGATGAAAACGACGTACTGCAGG GCGTGCTGCCCATCCGCAAACTTTTGGTCGCCGATCCCGAAGACTTGGTGGAAAACGTGA TGGCGAAAGATGTCGTGCGTTTCCGCGCCGAAGATGACGTGGAAGAAGCGGCGCAGGCGT TTGAACGCTACGACTTGGTTACCGCGCCCGTCGTCGATGAAAACAAAAAGCTCATCGGCA GGATTACCATCGACGAGATGGTGGACGTGATCCGCGAAGAATCGGAAGCGGATATGCTGA ATATGGCGGGTTTGCAGGAAGAGGAAGACCTGTTCGCCCCCGTGTGGGATTCGGTGAAAA ACCGCTGGATGTGGCTCGCCGTCAACCTCTGCACCGCCTTCCTCGCCAGCCGTGTTATCG GCGCGTTTGAAGGCAGCATCGAAAAAATCGTCGCACTCGCCGCGCTGATGCCCATCGTCG CCGGCATAGGCGGTAACTCGGGCAACCAGACGATTACCATGATTGTCCGCGCGATGGCGA TGGGGCAGCTGACGGATATGCAGGCGGGGCGTTTGCTGAAAAAAAGAAGTCGGTGTCGCCT TGGTCAACGGCATCATTTGGGGAACGGTCATGGGCGCAGTATCTTGGCTGCTTTACGGCA GCCTCGGCATCGGGCTGGTTATGATTGCCGCGATGACGCTCAACCTCCTGCTGGCGGCAA CCGTCGGCGTATTAATTCCCGTGGTAATGGAAAAGTTCGGACGCGATCCCGCACTGGGCA GCTCGGTGCTGATTACCGCCGTTACCGACTCCGGCGGCTTCCTGATTTTCTTGGGGCTCG CCACCCTATTCCTGCTTTAAATGCCGTCTGAACCCGCGCAAAAATGCCGTCTGAAGCGGA AGCTGCTTCAGACGGCATTTGACTATTTATCCTTGTTGCACAAGATTATTGGACGGTATG CCGGGGCAGCCCTTTGGCAACGCCGACCACATCCTCCCCGAACAGCGCGTTGACATCGGT TTCGTCAAACACATATTTGCTGTGGCAGAAATCGCAATCGACTTCGATGCTGCCTTGTTC CACCACCACGCCGCCGACTTCTTCCCCGCCCAGCATCAACAGCATATCGCTGACTTTGCC GCGCGAACAGGTGCATGAAAATTCAAACGTTTCCGGCTCGAACACGCGCGGCGGCGTTTC GTGGAACAGGCGGTATAAAACGTGTTGCGCGTCCAGTCCTGCCAGCTCCTCCGCCGTCAG CGTGCGCGCCAGCGTACTGACGTGTTCCCATGCCTCTTCATCCAATACCTCTTCAGGCAG ACGCTGCACCAGCAGACCGCCCGCCGCTTCGTCGCTTGCAGACAGGACGATGTGCGTATC **AAGCTGTTCGGAACGTTTCATATAGTTCACCAACATTTGCGCGATACCGCCGCCTTCCAA** AGGCACTACGCCCTGCCAGGGTTCGCCGTCTTTGGGCTGCAGCGTCAGCACGAATACGCC GCCCTCGCCCAAAAGGTCGCCGAGGCTTTCGTCATCGGCTATTTCTGCGGTTTCGTCCCA ACGCGCGGTTGCACGGACGGTACGGTCGGAAGCCGCTTCCGCAACCAGCATTTTCAGCCG CCCCGCCCTGAACCTGCACAATCAGCGTGCCTTCGTTTTTGAGGTTGCCCGACAGCAA CACACCGCCGCCAACAACTCACCCAAAGCGCGGCGGATGGCGGGGATAGTTTTTCTG TTTTACAATGTGCTGCCACACGTTTTCCAGACGGACGTGCAGCCCGCGCACGGGCATATC GTCGAAGATAAAGCGGGTACGCACATCGGCGCGGTTGATGGCGGTTTGATTCATGATTTT CTCTGACTGATTGTTCGGATGGCGGCTATATGGTTGCGGTCGGCGCGAAAACAAGACGGA CGGCGGATGCGCTTCCCAAATTATCAATAAATTATAAAAAATCAACATATTAACTCAAT CTAACAAGCCGTTTTTTGCCAAACAGCCGTTTTTTTTATATACAATCAACAAGATATTTTC GACTGATACAGCATAACATCGCACGGCGCACGATGCCTCCTGCGCGGAAACACCGATAT **GGATTCTTTTTCAAACCGCAGTTTGGGCGGTTTTGTGGCTGATGTTTGCCGTCCGCCC**

CGCCCTTGCCGACGAGTTGACCAACCTGCTCAGCAGCCGCGAGCAGATTCTCAGACAGTT TGCCGACGAACTCATCGGCAGCGCGATGGGGCTTAACGAACAGCCCGTTTTACCCGTCAA CCGAGTCCCCGCCCGGCGGGCGAATGCCGACGAACTCATCGGCAACGCGATGGGGCT CGAACTCATCGGCAACGCGATGGGACTTTTGGGTATTGCCTACCGCTACGGCGCACATC GGTTTCTACCGGTTTTGACTGCAGCGGCTTCATGCAGCACATCTTCAAACGCGCCATGGG CATCAACCTGCCGCGCACGTCGGCAGAACAGGCACGGATGGGTACGCCGGTTGCCCGAAG CGAATTGCAGCCCGGAGATATGGTGTTTTTCCGCACGCTCGGCGGCAGCCGCATTTCCCA CAAGAAAAACGACCCGTCCCGCTTTCTGAACTGATTTCCCAAGGAATACGCAATGAGTAT GCCCGAAATGCCCAAATGGTACGACGATGACGGACAGATCGTGTCCTGTACCGAAAAGGT CAAAGTGATGTCCGAAAATATGGCCGAGCTGTATCAGACGGCACAAGACGCGTTTGAAGA CGCGCTGCTGATGGGTTGCGGCGAACGTCAGTTGCGCGATTACCTGCTCGCGCTGATTGA AGGTTTGGAAAATCCCTACCGCAAAGTCTGAACACGCCCCGGTTGCTGCGGCACGGTTTA TCCGTGCCGTTTTTGCGTTTGTGCGCGGCTTCGGCTTTTCAGACGGCATATTTGACGTTA CATCATCCGCGCGCTCCTCATCATCCTCGGCTGCCTCGCCACCGGCGAAACCGCCGTTTT CCTAGCAGGCATCAAACTGCCCGGCAGCATCGTCGGCATGGGCGTGCTGTTTGCGCTTTT GCAGGCGGGTTGGGTCAAAACGTCTTGGCTGCAACAGCTTACCGACGCGCTGATGTCGAA CCTGACGCTGTTCCTCGTGCCGCCCTGCGTGGCGGTCATCAGCTATTTGGATTTGATTGC CGACGATTGGTTTTCGATACTGGTTTCCGCCTCCGCCAGCACTTTGTGCGTACTGCTGGT TACGGGCAAAGTCCACCGGTGGATACGGGGTATTATCCGATGAACGAAATCCTCAGGCAG CCCAGCGTTCTGCTTTTCCTCACGCTTGCCGTGTACGCGCTTGCGATTATCGTGCGCACG CGCACGGGCAATATCTTCTGCAACCCCGTACTCGTCAGCACTATCGTGCTGATTGCCTAC CTGAAAATCCTCGGTATCGATTATGCGGTGTACCACAACGCCGCGCAATTCATTGATTTT TGGCTGAAACCCGCCGTCGTCGTGCTTGCCGTGCCGCTCTACCAAAACCGCCGTAAAATC TTCAACCAGTGGCTGCCCGTCATCGTTTCACAGCTTGCGGGCAGCGTTACGGGCATTGTT TCCAAATCTGTTACCAACCCCATCGCTATTGAAATCACCCGCTCCATCGGCGGCATTCCC GCCATTACCGCCGCCACCGTCATCATTGCCGGTCTGGTCGGACAGATTGCCGGTTACAAA ATGCTGAAGAACACGGTCGTCATGCCCTCGTCCGTGGGTATGTCGCTCGGCACGGCTTCG CACGCGATGGGGATTGCCGCCTCGCTCGAACGCAGCCGCCGTATGGCGGCATACGCGGGG CTGGGGCTGACGTTCAACGGCGTACTGACCGCGCTGATTGCGCCGCTGCTCATCCCCGTT TTGGGATTTTGAACCCGTTTCAGACGGCATTTCAGCCCATGCTGTCTGAACGCCGACACA CTCGCAAGGAGAACCGTTATGGCTGTCAACCTGACCGAAAAAACCGCCGAACAACTGCCC GACATCGACGGCATTGCCCTCTACACCGCCCAAGCAGGCGTGAAGAAGCCCGGGCATACC GACCTGACACTGATTGCCGTAGCCGCCGGCAGCACCGTCGGTGCAGTCTTCACGACCAAC CGTTTCTGTGCCGCCCGTCCACATCGCCAAATCGCACCTTTTCGACGAAGACGGCGTG $\tt CGCGCCCTCGTCATCAACACGGGCAACGCCAACGCGGGTACGGGCGCACAGGGCAGAATC$ GATGCTTTGGCAGTGTGTGCCGCCGCCGCCGCAAATCGGCTGCAAACCGAACCAGGTG CTGCCCTTCTCCACCGGCGTGATTCTCGAACCGCTGCCCGCAGACAAAATCATCGCCGCC CTGCCCAAAATGCAGCCTGCCTTCTGGAACGAAGCGGCACGCGCCATCATGACCACCGAC ACCGTGCCCAAAGCCGCCTCGCGCGAAGGCAAGGTCGGCGACAAACACACCGTCCGCGCC ACGGGCATCGCCAAAGGCTCGGGCATGATTCATCCCAATATGGCGACCATGCTCGGTTTC ATCGCCACCGATGCCAAAGTTTCCCAACCCGTCCTCCAACTGATGACGCAGGAAATCGCC GACGAAACCTTCAACACCATCACCGTTGACGGCGACACCAGCACCAACGACAGCTTCGTC ATCATCGCCACCGGCAAAAACAGCCAAAGCGAAATCGACAACATCGCCGACCCGCGTTAC GCCCAACTCAAAGAATTGTTGTGCAGCCTCGCGCTCGAACTCGCCCAAGCCATCGTCCGC GACGGCGAAGGTGCGACCAAGTTCATCACCGTCCGCGTCGAAAACGCCAAAACCCGCGAC GAAGCCCGCCAAGCCGCCTACGCCGTGGCACGTTCGCCGCTGGTCAAAACCGCCTTTTTC GCCTCCGACCCCAACCTCGGCAGGCTGCTCGCCGCCATCGGTTATGCCGGCGTTGCCGAC CTCGATACCGACCTCGTGGAAATGTATCTCGACGATATTTTGGTTGCCGAACACGGCGGA CGCGCCGCAAGCTACACCGAAGCACAAGGGCAGGCGGTGATGTCGAAGGCCGAAATCACC GTCCGCATCAAGCTGCATCGCGGACAAGCCGCCGCCACCGTCTATACCTGCGACCTGTCG CACGGATACGTTTCCATCAACGCCGATTACCGTTCCTGACCCGACACGGCTTCAGACGGC ATACATAAAATGCCGTCTGAACCGCCGGACAACATACCATGACCTCCACATTCCCCCGCC GCCTCGCCCGCAAAATCCGCCAAACCCGCCGCCTGTCGCGCAAAAGCATCGCCTTTCTGT TCCTTTTGGCAGGTTCGGCACTCGTCGCCCTGACCGCGCTGTTTTTTTGCCCATCTTGCCG ATTTTGCGCTGGAACTGAACGCCAAACTGGTTCAACAATACCCGTGGTTCGCGTGGGTCG CGCTTCCTTTGGGTTTACCGCTTATTGCGTGGCTCACACGCAAATTCGCCCCCTTCACCG CCGGCAGCGGCATCCCGCAGGTCATCGCCTCACTGTCGCTGCCCTACGGCGCACAGAAAA CGCGGCTGATCCGCCTCGGGCAGACGCTGCTGAAGATTCCGCTAACCTTTTTGGGTATGC TGTTCGGCGCGTCCATCGGACGCGAAGGTCCGTCCGTGCAGGTCGGCGCGGCAGTGATGG GCGCGTGGGGCGCGTGGTGCAAGAAACACGGCTTGGCATTCAAAGGGATGCAGGAAAACG ATTTGATGGCGGCGGCGGCGGGGGGGGGTTTGGCAGCCGCGTTCAACGCGCCGCTGGCGG GCGTGATTTTCGCCATTGAGGAACTCGGGCGCGCATCATGTTGCGCTGGGAGAGGCAAA TTCTTTTGGGCGTGCTCGCCTCCGGTTTCATACAGGTCGCCATTCAGGGCAACAACCCGT ATTTTTCCGGCTTCAACGGCGGCGTATTGGAACATATCTTTCTGTGGGTCGCACTGTCCG GCCTGGTTTGCGGCCGGCCGGCCGGCCTGTTCGGACGTTTGCTCTATCGCGGTGCGGCGG CGTTTGCACCGCGAAGATACGCGGCTTCATCCGCAACCGTCCGCTGCTGCTGGCGGCAC TGATGGGGCTGCTCGCCCTGCTCGGCACGTTCTACCAAGGCAAAACCTACGGCACCG GCTACCACGAAGCCGCCAAGCCCTGCACGGCATCTACGAAGCCCCCTTCGGACTCGCCG CCGCCAAATGGCTCGCCACCGTATTCAGCTATTGGGCAGGCGTTCCGGGCGGCATTTTCA

CTCCCTCGCTGACCATAGGCGCGGTTTTGGGCGAGCATATCGCCGCCATCGCCGACATAT AATCCCCGATTA CTTCCGCCGTCGTCGTCATGGAAATGACGGGCGGACAAAGCCTGCTGT TTTGGATGCTAATTGCCTGCATTTTCGCCTCGCAGGTTTCGCGCCAGTTTTCGCCGCGTC CGTTCTACCACGCATCGGGAATGCGCTTCCGCCAGCGCGTGCTTCAAGAAACCGCCGCCC **AAACCGGCAATGCGCCGCAAGACCGCAAACAGCAAAACGGGAATGCCGTCTG** AAAATTAAAACGCCCCGATCAAACGCCGGCAGCCGCCTTGATTTGAATACCGTTCCGCC GCCGCTTGAAATTTCAGCAACAATGCCGTCTGAACGACAGAATGCGGTTTTCAGACGGCA TTTCCCCATCCCGATATTGCCTAAACAAAACCGAAGCGTTTGCTATAATTCTATTTTTTA CCGCATACGCAC CAATCATGTTTCCCGATTTCTCCCAAACCCTCTCCAAAGACCGCCACT TCCTGCGTTCCGCCTTCAAAAATCCCAACAAATACGGCGGTTTGTCCAAAATCGAAGAAA AATACCGAAAAT CGCACGAAATCTTTTTGAAGCGTTTGGCAGCCTTGCCAAAACCCGAAT TCGACAACACCCTGCCCGTTCACGAGAAGCTCGAAGAAATCAAAAAAGCCATTGCCAAGA ATCAGGTAACGATTATTTGCGGCGAAACCGGTTCGGGCAAAACCACGCAGTTGCCCAAGA TTTGCTTGGAACTCGGGCGTGGGGCGCGCGCAGGATTGATCGGGCATACCCAGCCGCCCGTT TGGCCGCGCGCTCCGTAGCAGAGCGGATTGCCGAAGAGCTGAAATCCGAAATCGGCAGCG CGGTCGCTATAAAGTACGCTTCACCGACCACACCTCGCGCGATGCCTGCGTCAAGCTGA TGACCGACGCATCCTGCTGGCGGAAACGCAGACCGACCGTTATCTCGCCGCCTACGACA CGATTATCATCGACGAGCGCACGAGCCTGAACATCGACTTCCTTTTGGGCTATT TGAAACAACTCCTGCCGCCCCCCGATTTGAAAGTCATCATCACCTCGGCAACGATAG CGTATCCCGTCGAAATCCTCTACCGACCGCTGACCGCCAAAGACGAAGACGACGCAGAAG TGGAGTTGACCGACGCGATTGTCGATGCGGCGGACGAATTAGCGCGACACGGCGAAGGCG ATATTTTGGTATTCCTGCCGGGCGAGCCCGAAATCCGCGAAACTGCCGAAGCCCTGCGCA AATCCACGCTGCGCCGCAACGACGAAATCCTGCCCCTGTTCGCACGCCTGTCGCACGCCG TCGCCGAAACCTCGCTTACCGTGCCGGGCATCAAATACGTCATCGACACCGGCCTCGCGC GTGTTAAACGCT ATTCCGCACGGGCGAAAGTGGAGCAGCTTCATATCGAAAAAATCTCCC AAGCCGCCGCCCAACGATCCGGCCGCTGCGGACGCGTCTCCGCAGGCGTGTGTATCC GACTGTTTTCAGAAGAAGATTTTAACAGCCGCCCCGAATTTACCGACCCCGAAATCGTCC GCAGCAACCTCGCCGCCGTCATCCTGCGCATGGCAGCATTGAAACTCGGCGATGTGGCGG CATTCCCGTTTTTAGAAATGCCCGATTCACGGTATATCAATGACGGTTTTCAGGTGTTGT TGGAGTTGGGGGCGGTGGAGGCCGTCTGAAAACAGGCAGACATAAAAGAAAATCCGCGTA GAGTGATGTAAACTTACCCTTGCTTTAATAAGTAGAAAATGGTGGGTTTACGTCCCCCCC **AATTCAAATACCCAAAAAAGTGGAATTACAAACCAAACTAGAAAATGAAAAGATTGTTTT ATCGAAAGGTTCTACCACGATTATTGTTGGTGCTAATGGCACAGGGAAAACAAGATTAGC** TGTTTATATTGAAGAACAATTAAAGGAAAAAGCACACAGAATTTCGGCTCATAGAGCATT TGGTCAGAACTGGGATGGAATCGATGTATCAAATAGAAAAAATTATAGATGGGATAATAA AAATAATATTGCGGTAGCAAATAATCAAAAGCTCAACCGTAATGAAAAAGTAACCAATTC ACATATTACAGCAGATGATATTCAAGTCTCTGCTGTAGATAATGAGGAATTGTATTCTGC CTCAAATATGAGTGATGGAGAGCGAGCACTTTTCTATATTCTTGGACAAGTTTTGTCAGT **AGATGACGGTTCTGTCTTAATTTTTGATGAGCCTGAATTACATATTCATAAATCAATTAT** TTCAAATCTATGGGATAAAATTGAAGAATTACGACCTGATTGTTCATTTCTAATCATTAC ACACGATATTGAATTTGCTGCAACTCGAGTAGCTAAAAAATATGTTATCAGAAATTATTA TCCGACCCCTGCTTGGGATATTTCTGAAGTTCCTGAAAGTAATTTTGATGAAGAAACAAT AACGATGATTTTAGGTAGCCGTAAGCCAATATTATTTGTTGAGGGCAACAATAATAGTTT AGATATTGCTACTTACCGCTATTGTTATCCTGATTGGACCATCATACCCAAAGGGGCATG CAAAGATGTCATTCAATCAGTATCATCGCTGAAAAAATTAAGTAATGAAATGCCATTACT AAACTTAAAATGTTCAGGTATTGTCGATTTAGATAGTAGGGATGAAAGAGAAATTGAACA ATTAAATAATTTGGGTATTTACATTTTACCTGTATCCGAAATTGAAAATCTTTTTAGCTT <u>AACTGATGTAGCAAAAGAGATATTGAAACTAAATCAATATTCAGATGAAGAATTACTCAA</u> TAAACTTAATGGATTTAAATCCGAACTAATTAAATATATAGATAATGAATTAAAAGACGA TAAATTAGACGAATTTGTTGTAAAACAGGTTCGACGTAAAATTGATAATTATTTAAAAAA TATTGATTTATCCTCCAAAATAACAAGTACTGATATGAAAAAATCATTACTTAATGAAAT TTCTACTTTAACAGAACAGAAAATTGAAACATGGATTTCAGAAATTAAAAATGAAATTCA TCCAATTCTGGATTAAATAAAACCATCTGAAAATTTACCTTCAGATACAGATATATTTCA TGAAAAATCATCAAACTACACTCTCTTTCCCTACTTCGAGTAGCCTGAAACCTTGCGCAG ACAAACAAGGCCTGTCTGAAGACCGCCAGCCAATACCGCCTGACCAAACTCGGCGAACAAA TGGCGCACCTGCCTATCGACCCGAAAATTGCGCGTATTTTGTTAGTATTATTCCGTTTTT **AAAAATGCCCGATTCGCGGTATATCAATGACGGTTTTCAGGTATTGCTGGAATTGGGGGC** CAGACGGCCTAAATCATTGAGAAACTAAAAACTATTAAAAAAGGGAATATTGGGTTTTAAA **ACTCAATCGGTAAATTTTTATTGTGAAATATTAATGATGAAAAAATCTTTCCTTACGCTT** GTTCTGTATTCGTCTTTACTTACCGCCAGCGAAATTGCCTATCGCTTTGTATTTGGGATT GAAACCTTACCGGCGCAAAAATTGCGGAAACGTTTGCGCTGACATTTGTGATTGCTGCG CTGTATCTGTTTGCGCGTTATAAGGTGACGCGTTTTGTTGATTGCGTGTTTTTTGCGTTC **AGCATTATTGCCAACAATGTGCATTACGCGGTTTATCAAAGCTGGATGACGGGCATCAAT** TATTGGCTGATGCTGAAAGAGGTTACCGAAGTCGGCAGCGCGGGTGCGTCGATGTTGGAT

AAGTTGTGGCTGCCTGTTGTGGGGCGTGTTGGAAGTCATGTTGTTTTGCAGCCTTGCC AAGTTCCGCCGTAAGACGCATTTTTCTGCCGATATACTGTTTGCCTTCCTAATGCTGATG ATTTTCGTGCGTTCGTTCGACACGAAACAAGAGCACGGTATTTCGCCCAAACCGACATAC AGCCGCATCAAAGCCAATTATTTCAGCTTCGGTTATTTTGTCGGACGCGTGTTGCCGTAT CAGTTGTTTGATTTAAGCAGGATTCCCGCCTTTAAGCAGCCTGCTCCAAGCAAAATCGGG AAGCTGTTTGGCTACGGACGCGAAACTTCGCCGTTTTTAACCCGGCTGTCGCAAGCCGAT TTTAAGCCGATTGTGAAACAAAGTTATTCCGCAGGCTTTATGACTGCAGTGTCCCTGCCC AGTTTTTCAATGCGATACCGCACGCCAACGGCTTGGAACAAATCAGCGGCGGCGATACC AATATGTTCCGCCTCGCCAAAGAGCAGGGCTATGAAACGTATTTTTACAGCGCGCAGGCG GAAAACGAGATGGCGATTTTGAACTTAATCGGTAAGAAATGGATAGACCATCTGATTCAG CCGACGCAACTTGGCTACGGCAACGGCGACAATATGCCCGATGAGAAGCTGCTGCCGTTG TTCGACAAAATCAATTTGCAGCAGGGCAAGCATTTTATCGTGTTGCACCAACGCGGTTCG CACGCCCCATACGGCGCATTGTTGCAGCCTCAAGATAAAGTATTCGGCGAAGCCGATATT GTGGATAAGTACGACAACACCATCCACAAAACCGACCAAATGATTCAAACCGTATTCGAG CAGCTGCAAAAGCAGCCTGACGGCAACTGGCTGTTTGCCTATACCTCCGATCATGGCCAG TATGTTCGCCAAGATATCTACAATCAAGGCACGGTGCAGCCCGACAGCTATCTCGTGCCG CTAGTGTTGTACAGCCCGGATAAGGCCGTGCAACAGGCTGCCAACCAGGCTTTTGCGCCT TGCGAGATTGCCTTCCATCAGCAGCTTTCAACGTTCCTGATTCACACGTTGGGCTACGAT ATGCCGGTTTCAGGTTGTCGCGAAGGCTCGGTAACGGGCAACCTGATTACGGGTGATGCA GGCAGCTTGAACATTCGCGACGGCAAGGCGGAATATGTTTATCCGCAATGAGTGGCGTAA AAAATATGAAAAACCAAGTACGCGGATCAGGCATGGATGCCCGATCCAATCCGGCCAATG TTTCAGACGGCCTGCAAAACAGTTCGGGTCATATCGGTACCAACACGCGTTACCGCCTGA CCAAACTCGGCGAACAGATAGCGCGCCTACCCATCGACCCGAAAATCGCGCGCATTTTGC TGGCGGCGAAGAAACACGACTGCATGGCGGAAATATTGGTGATTGCGTCCGCGCTGTCGA TTCAAGACCCGCGCGAGCGGCCGCTAGAAGCGCGCGATGCCTCAGCCAAGGCGCACGAGC GTTTTACCGACAAGCAGTCCGATTTCCTTGCCTATCTGAACATTTGGGACAGCTTCCAGC GCGAACGCGATAAAGGCTTGTCCAACAAGCAGCTGGTGCAGTGGTGCCGCCAATATTTCC TGTCGCACCTGCGGATGCGCGAGTGGCGCGAGCTGCACCAGCTTGCCCAAACCGCGA TTGAAATGGGTTTAACCACCAAGGAAGCCGCTTTCAGACGACCTCCCGAAGTCAGGCAGC TGGATAAAAAGCAACACCGCGCCCAAATCCGCGCCCAAAGAAGCGGGCTACGAACAAA TCCACCGCGCCCTGCTCACTGGCCTTATCGCCAACGTCGGCATGAAATCGCCCGACGGTA ACGACTACACCGGCGCGCGCGCAGCCGCTTCCACCTTTTCCCCGCCTCCGCCCTGTTCA AAGCCAAACCCAAATGGGTGATGGCGGCAGAATTGGTTGAAACCACGCGCCTTTACGCGC GCGACGTCGCCGTTATCCAGCCCGAATGGATAGAGCAGGAAGCGCCGCACCTCGTCCGCT ATCATTATTTCGAGCCGCATTGGGAACAAAAACGCGGCGAAGTCGTCGCCAGCGAACGCG TGACGCTTTACGGTCTGACCGTATTGCCGCGCCCCCCGTGTCTTACGGCAAAGTTGCCC CCGAAGAAGCGCGCGAAATCTTTATCCGCAGCGCGTTGGTGGCGCAGGAATGCGATTTGA AAGCGGATTTTTTTGTCCACAACAAAAAGCTGATTAAAGAAATTACCGAACTCGAACACA AATCGCGCAAGCAAGACGTGCTGGTCGATGACGAAGCCCTGTTTGCGTTTTATAACGAAC GACTGCCCGAAATGGCTTGGAAAGACGCGCAAGGCAGCGTTTGGGGAAGTGAAGATTCCG TACGGATTATTGAATCTGACAAAGCCGAGAGGTCGTCTGAAAATGAGCGCAACGAGTTTC GTAAAAACAAGCGTAATGGGTCTCGCCAAAATGAAAATCACGGCAACACCGTAGGTTGGG TTGAAAACCCAACATCAGCCGCAACTGCAAAAACTGTTGGGTTTGACAATCCAACCTACG CTGCCCAACAACCACCCCCTCCCCGTGGGGGAGGGTCGGGGAGAGGGCAAAACAGTTG CCGCACAAACCAACTTTTCCGCAACCGCAGCAAACCCTCTCCCTAACCCTCTCCCGCAGG AGAGGGAACAGAGTGCCGCAGCTTCAACGATTTCAGACGACCTGCGTCCTGCAAATCTGC AGCAAACCGCCCCCCCCGTGGGGGAGGGCTGGGGAGAGGGCAAAACAGTTGCCACAC AAACCAACTTTTCCGCAACCTCAACAAACCCTCTCCCGCAGGAGAGGGAACAGAGTGCCT CCGTGGGGGAGGGCTGGGGAGAGGGCAAAACAGTTGCCACACAAACCAACTTTTCCGCAA TGAAACCCCTACCCTCGCCGACATCCGCACCTTCCAAGCCTGGCTCAAAACCGCCGAGC GCGACAATCCGCGCCTGCTGTTCCTCAGCCGCGACGATCTGATGCAACACGCCGCCGCAC ACATTACCGAAGAACAGTTCCCCAAATTCTGGCAAACCGCAGACGGCAAATTCAAACTTT CCTACCGCTTCGAGCCGCACCATCCGCTAGACGGCGTGACCATGACCGTGCCGCTGACCG TCCTCAACCGCCTGCACGCGCCGTCGCTCGAATGGCTGGTGCCCGGCATGATACGCGAAA AAATCCAGTTGCAAATCAAAGCACTGCCCAAGCAAATCCGCCGCATCTGCGTGCCCGTGC CCGAATTCATCACCCAATTTTTAAGCCAAAACCCCGACCGCAACGCCCCCATCCTGCCCC AACTCGCCCAAGCCATCGCCAAAACCGCAGGCGACATCCGCATATTCGAGCAAATCAACC AAGACGAATGGGCCGCGTTCAGGCTGCCCGAACACTGCTATTTCAACCTCCGCATTATCG ACGACGGCGGACAAGAGCTTGCCGGCGGCCGCAAACTGCACGAATTGCAACAACAACTCG GTCAAGCTGCCGCCGTTACCTTCCGTGACAACACCCCAAGAATTTGAGCGCGACAACGTCA CCGCATGGGACATCGCCCCGCATCCATCAAATTCGCACGCGGCAAACAACAGC TCACCGGCTATCTCGGCCTACAAAAAGAAAAAGACGGCCGCATCGCCCTGCGCCTGTTTG ATACCACAGAAGCCGCAGAGCAGGCACACCGTCAAGGTGTCATCGAATTGATGAAGCTGC **AATTAAAAGAGCAGGTAAAGGATTTGAACAAAGGCATCCAAGGCTTCACCCAAGCTGCCA** TGCTGCTCAAACACATCAACGCCGACACTCTGCGCGACGACCTCACCCAAGCCGTCTGCG ACCGCGCCTTTATCGGCGAAGACGAGCTGCCGCGCAACGAAAAAGCCTTCAAAGAACAAA TCAAACGCGCCCGCAGCCGCCTGCCCGCCGTCAAAGAAGCCCTCAGCCGCTACCTGCAGG AAACCGCCGCCGTCTACGCCGAACTCAACAGCAAACTCGGCAAACACCCCATTGACCCACC .TTCTAAGACTACGCCTGCAAACCCTGCTCGCCGCCGCTTCGCCACCCGAACCCCGTGGG CACAATGGCCGCGCCTCCCCATCTACCTCAAAGCCATGACCCTGCGCCTCGAAAAAATACA

GCAGCAACCCCGCCCCGCGACGCCCGCGAAGCCGATATCCAAGAGCTGGAACAAATGT GGCAGGAAAAAC AGACAGCCTGATTAAACAAGGTCTCCCCATTTCAGACGGCCTCGCCG CGTTTAAATGGATGATGAAGAATTGAGGGTGTCGCTGTTCGCGCAGGAATTGAAGACAC CGTATCCGGTGTCGGTGAAGCGGCTGTTGAAAGAGTGGGAAAAAATTGAAAAATAAAAAA ACAGCCTGAAAA GTTTCAGGCTGTTTTTTTTTTTGACTAATCGAAGTTTCCTATATCTAT TTAAGTCCCTCTCAACTAATCCAAAAGTTAAATCAGCAACATCTTTGGGGGATACGTTTA **AATTTTCAGCAATCTGTTCAATACCAATGCCATCATTTTTTAAAATAGTAAGCATTTTAC** GTAATGCGCTTGATATTTCCCTTTCCATTGGCTCTGGTTCGATAGTTCGATATTTTTTCT TTGCAAACAAAGGACAAAGATTGTGTATATACATCCTATCAGTAATCATTCCTAATTTAT **GCATCCGATATGCTAAGGCAACAAGTGATACACCAAATCGTCTTTTGATTTTTAATAAAT** TTTCAATAGTGA TAGGAACATGACGATATAAGCGTAGTGCAGCCTCCGGCATTAAAAAAG CTGAAGCAAAGGCATTAGCCTCTTTTTCGATAATATCACGAGGTTCATCTTCTGTAATTT CACTATTTTTAC TATGTTCCATACTGTATTTATCACGGATTAAGTGCCCTAATTCATGGG CAGCATCAAATC GACTACGTTCTGCAGATTTTTGTGTATTTAAAAATACAAATGGATGAT TTTCATACCAAGTACAAAAGGCATCAATGTCCTTTGTATCTAAAGATAATGAAAATACAC GAACACCCTTAA CTTCAAGTAGGGTGATCATATTCGGAATAGGTTCATTGCCAAGCCCCC ATTCTAATCTTAGTTCCTGAGCAGCCTCTTCAGGAGAAATATCAGAAAAATCAGGCAATA CGGCTTGACTTA GTGTAAATTCTGTCTCGAGCCAGTCATTTAACAAAAAAGCCGTAATGC TATGATTTAATGCTTGTTTTTCAAGCCTCTTCGAGGTGCGTGAACGAGCACGAAAACTTA CTGCCTGAGATTTCAACTCAGGCAGTCTTTCGTCATTAGTAAAGAAATGAACTGGAAACT CTAATAAATTGGCTAATTCATTTAAATCAGGTATTTGCTCATCTTTTACATAGTTTCTAA CCAGCGCAAATT CCAGTCTCTCACGATTAAATGTCTGCATGATTTATCATTCAAATTATC CTGCTTTTTGTT TTCTTTCAACCAAAGGCTCATATTCTTCAACAGGTTGCTTACGTTCAA GCTCATCAAATT TAGTTAAATCAACATCAGCTAATATAATTCGCTGCTTGTACCCAGTTA TTTGATGACTAA CAAAACCACTCGGTAAAGATAATTCAAGTTGCACTTTATTATACTTCC AGTGAAACAGCA GAACCCAAAACTGCACAGTATCAGGCAAATCTAGTTTTGAATTACGAA TAGCCTCCTCAAATCCCTTACCTTTCCTTGCGGTTGTCATTGGCATCCCGTGATGCCTAC CARCATCTGAAGTAGCAGTAGCCACAATAATACTTTTAGTTCGACATGGCGAGAGACATA GAGCAAATGTAATTTCTGCTTGCCGATACATCCCCAATGTATTTCTGTCAGATAATGCTG CTTTGTCCTGAA TATTATTATGCGCAGTAAGTACAATCTCTTTAAGCATCTCCTGAGATA AGTACTTGCTGA TTTCACTTAAAGCAATATCACTATTTTGTTGCTCGACTATTTCTCCTA CTTCAAATGGGAAAGGTTCTGATAATGCAAATTCCACCATAAAAATTTCCTAATTTTATA CGTAATGTTTACACAATATATCAGGAAATATGAAAACGTACAACTATATCTATAAAGCAA TTAATAAGTAGCCTGCCCAACCGTGTCCTTATCTTTCGGCACACCCGACCTGCAAATCAC CCACAGCCCTTCCCAACTAAACCAAAAGGTCGTCTGAACCCTATTTTCAGACGACCTTTT GCCACTTTGTAAAACAAATCTTCCCACCATCCTCTCCCCAAACATCGCCCGAACCAGTAA CTATTCCCGCCCCATATCGCCGAACGCGGCCTGTTGTATTTTCAGCAGGGCAAGGTTCTC GATGTCCGAAAAACTTCCGCCGGGCATTATCGGGCGGAGGTGTGCGGTTCGGAAAACTAT TGGGTATAGTTG AAGCTGGATAGTGATTTGTATATTAAAGACGAAGGCTGCAATTGTCCT TATATCTAAGAGTGCAAACATACCTTAAATTACTATATTGCATAGGCAAAATACAAGCCT ATAACGAATTGGAAACAAAATGCCGTCTGAAAACATCTTCAGACGGCATTATAAAATCTG TTCACCTTTTCAGATGAGTAATGTACACCCTTATACAATTTTTGCTACTATGCCCCCATAA ATCCACGGCTAAAGATATCCTTATTATGTCCTATGATTTATCGAAACGACTTGTAATCGG CTTAGCATCAAGTGCCCTATTCGACTTATCCGAATCGGATAATATATTTAGAATGGAAGG GTCTTTCCATTTATTAAAAAACTTCTGTCAATCAATGAAATAAACCCAAACGACCCAACG **ATTGGGTTTATTCTTTTATCCAGAAACAATCCAGATACAGATTACGAGTCATAACTATAG** GCTTAATATTACACGATTCTCATTCCATCAAGGCGGAAAACCGCACAAATACTGAAACAC TATCGATCGATTTGTAAACAAGCCTACTTAAGTAACTTGCAGTCCTTATCATTTCCTTTA **AAATAATCCAGCCCGTCACTACACGAACTGGCGGACTTCTTGCAAATAAAGGTTACTAGA** TTTTCATTCATCTTAATAATAAAAGGATTTTTATCTTTATCTATGGCTACCGCCTTCAAC ATGAATTTACTGTCTAAAGCCCCGCGCGCGCGATTCCATTCAAACGGATACAAAAGCCTTCT **AGATAAAACTTTTCCATAAAATGTGCATTTTCTAACAAGGCTGCCCGCACTGCATTTATC** TTTGCTTTCTCAACATAATTGCGATAGCTCGGATAAACAATTAAAGCAAGTACAGACAAT **ATCAAGACCACTGATATTAATTCAACCAGCGTAAACCCCCGATTATCAGTCATTACTTTA** CTTCCAATAAGAACAGATTATTCAACATATTTCTTTGAACAGACTTACTATCCCATTCAA CAGTATGCATATTTCCCACTCTATTTTTTAGCGGCCGGTATAGCCGGTTTGGCTGGGCCT TTTGGTGCGGCCGCCGACCGAAGCCTGGTCCTTCAGCTTCGCCAGCACCGCAGGGCCG ATGCCCTTTACCTTGGTCAAATCGTCTACAGACTTGAACGCACCGTTTTGCGCACGGTAT TCCGCAATGGCCTTCGCCTGCCGGGCCTATGCCCGGCAGCGCCTCCAACTCCTGCTGC GAAGCCGCATTGATGTTTACCGCCGCAAGGGAGAAGGCGCAGGAGAACAGCATACAGAAC AGCACGAACATTTCCTCATGGTTTTTCCTTTAAGGGTTGCAAACAATAAACCGCATCTT GCGACGATAAAACGAGTCATTCTAAAATGAATATCCCAAAGTTTCAAGCCGTTCCTCCGC AAACCCGACCGGACACCGTACGGATGCCGTCCCGCCATCACCGACATTTTTTCCGGGCAA AGCAAACATTTTTTCCGGGCAAAGCAAAAACCCCCGAATAATCGGGGGTTTTCTGAATGG GTGTTTGGCAGTGACCTACTTTCGCATGGAAGAACCACACTATCATCGGCGCTGAGTCGT TTCACGGTCCTGTTCGGGATGGGAAGGCGTGGGACCAACTCGCTATGGCCGCCAAACTTA AAGCTTTTATCTCTTGAAGTTCTTCAAATGATAGAGTCAAGCCTCACGAGCAATTAGTAT GGGTTAGCTTCACGCGTTACCGCGCTTCCACACCCCACCTATCAACGTCCTGGTCTCGAA

CGACTCTTTAGT GCGGTTAAACCGCAAGGGAAGTCTCATCTTCAGGCGAGTTTCGCGCTT AGATGCTTTCAGCGCTTATCTCTTCCGAACTTAGCTACCCGGCTATGCAACTGGCGTTAC AACCGGTACACCAGAGGTTCGTCCACTCCGGTCCTCTCGTACTAGGAGCAGCCCCCGTCA AACTTCCAACGC CCACTGCAGATAGGGACCAAACTGTCTCACGACGTTTTAAACCCAGCT CACGTACCACTTTAAATGGCGAACAGCCATACCCTTGGGACCGACTACAGCCCCAGGATG TGATGAGCCGACATCGAGGTGCCAAACTCCGCCGTCGATATGAACTCTTGGGCGGAATCA GCCTGTTATCCCCGGAGTACCTTTTATCCGTTGAGCGATGGCCCTTCCATACAGAACCAC CGGATCACTATGTCCTGCTTTCGCACCTGCTCGACTTGTCGGTCTCGCAGTTAAGCTACC TTTTGCCATTGCACTATCAGTCCGATTTCCGACCGGACCTAGGTAACCTTCGAACTCCTC CGTTACGCTTTGGGAGGAGCCGCCCCAGTCAAACTGCCTACCATGCACGGTCCCCGACC CGGATGACGGGTCTGGGTTAGAACCTCAAAGACACCAGGGTGGTATTTCAAGGACGGCTC CACAGAGACTGGCGTCTCTGCTTCTAAGCCTCCCACCTATCCTACACAAGTGACTTCAAA GTCCAATGCAAAGCTACAGTAAAGGTTCACGGGGTCTTTCCGTCTAGCAGCGGGTAGATT GCATCTTCACAACCACTTCAACTTCGCTGAGTCTCAGGAGGAGACAGTGTGGCCATCGTT ACGCCATTCGTGCGGGTCGGAACTTACCCGACAAGGAATTTCGCTACCTTAGGACCGTTA TAGTTACGGCCGCCGTTTACTGGGGCTTCGATCCGATGCTCTCACATCTTCAATTAACCT TCCAGCACCGGGCAGGCGTCACACCCTATACGTCCACTTTCGTGTTAGCAGAGTGCTGTG TTTTTAATAAACAGTCGCAGCCACCTATTCTCTGCGACCCTCCGGGGCTTACGGAGCAAG TCCTTAACCTTAGAGGGCATACCTTCTCCCGAAGTTACGGTATCAATTTGCCGAGTTCCT TCTCCTGAGTTCTCTCAAGCGCCTTAGAATTCTCATCCTGCCCACCTGTGTCGGTTTGCG GTACGGTTCGATTCAAACTGAAGCTTAGTGGCTTTTCCTGGAAGCGTGGTATCGGTTGCT TCGTGTCCGTAGACACTCGTCGTCACTTCTCGGTGTTAAGAAGACCCGGATTTGCCTAAG TCTTCCACCTACCGGCTTAAACAAGCTATTCCAACAGCTTGCCAACCTAACCTTCTCCGT CCCCACATCGCATTTGAATCAAGTACAGGAATATTAACCTGTTTCCCATCGACTACGCAT TTCTGCCTCGCCTTAGGGGCCGACTCACCCTACGCCGATGAACGTTGCGCAGGAAACCTT GGGCTTTCGGCGAGCGGGCTTTTCACCCGCTTTATCGCTACTCATGTCAACATTCGCACT TCTGATACCTCCAGCACACTTTACAATGCACCTTCATCAGCCTACAGAACGCTCCCCTAC CATGCCGGTAAACCGGCATCCGCAGCTTCGGTTATAGATTTGAGCCCCGTTACATCTTCC CCAACATCCTGGCTGTCTGGGCCTTCCCACTTCGTTTACCACTTAATCTATCATTTGGGA CCTTAGCTGGCGGTCTGGGTTGTTTCCCTCTTGACAACGGACGTTAGCACCCGCTGTCTG TCTCCCGAGGAACCACTTGATGGTATTCTTAGTTTGCCATGGGTTGGTAAGTTGCAATAA $\verb|CCCCTAGCCATAACAGTGCTTTACCCCCATCAGTGTCTTGCTCGAGGCACTACCTAAAT|$ AGTTTTCGGGGAGAACCAGCTATCTCCGAGTTTGTTTAGCCTTTCACCCCTATCCACAGC TCATCCCCGCATTTTGCAACATGCGTGGGTTCGGTCCTCCAGTACCTGTTACGGCACCTT CAACCTGGCCATGGATAGATCACTCGGTTTCGGGTCTACACCCAGCAACTCATCGCCCTA TTAAGACTCGGTTTCCCTACGCCTCCCCTATTCGGTTAAGCTCGCTACTGAATGTAAGTC GTTGACCCATTATACAAAAGGTACGCAGTCACACCACTAGGGCGCTCCCACTGTTTGTAT GCATCAGGTTTCAGGTTCTGTTTCACTCCCCTCCCGGGGTTCTTTTCGCCTTTCCCTCAC GGTACTGGTTCACTATCGGTCGATGATGAGTATTTAGCCTTGGAGGATGGTCCCCCCATA TTCAGACAGGATTTCACGTGCCCCGCCCTACTTTTCGTACGCTTAGTACCGCTGTTGAGA TTTCGAATACGGGACTGTCACCCACTATGGTCAAGCTTCCCAGCTTGTTCTTCTATCTCG **ACAGTTATTACGTACAGGCTCCTCCGCGTTCGCTCGCCACTACTTGCGGAATCTCGGTTG** ATTTCTTTCCTCCGGGTACTTAGATGGTTCAGTTCTCCGGGTTCGCTTCTCTAAGTCTA TGTATTCAACTTAGGATACTGCACAGAATGCAGTGGGTTTCCCCATTCGGACATCGCGGG ATCATTGCTTTATTGCCAGCTCCCCCGCGCTTTTCGCAGGCTTACACGTCCTTCGTCGCC TATCATCGCCAAGGCATCCACCTGATGCACTTATTCACTTGACTCTATCATTTCAAGAAC TTCTTTGACTTTGCCTAACATTCCGTTGACTAGAACATCAGACTTGAATTTCCTACTTTG ATAAAGCTTACTGCTTTGTTGTGTCTTAATCCTGCCTTTTGTGTTTCAGGATTAAGTCGA AATTTGTTAAAGATCGATGCGTTCGATATTGCTATCTACTGTGCAAATCAAAACGAGCTG ATTATTATCAGCATTTTGTTCTTGGTCAAGTGTGACGTCGCCCTGAATGGATTCTGTT CCATTCTTCCGTTTTGATTTGTACAGTATTGGTGGAGGCAAACGGGATCGAACCGATGAC CCCCTGCTTGCAAAGCAGGTGCTCTACCAACTGAGCTATGCCCCCGTTCTTGGTGGGTCT GGGAGGACTTGAACCTCCGACCCCACGCTTATCAAGCGTGTGCTCTAACCAGCTGAGCTA CAAACCCGGATTCTCTTCTTAAGCGAATCTTGCCTTCACTCAAGCTTCTTCCGCATCTTT CCAGCCGCAGGTTCCCCTACGGCTACCTTGTTACGACTTCACCCCAGTCATGAAGCATAC CGTGGTAAGCGGACTCCTTGTGGTTATCCTACCTACTTCTGGTATCCCCCACTCCCATGG TGTGACGGGCGGTGTGTACAAGACCCGGGAACGTATTCACCGCAGTATGCTGACCTGCGA TTACTAGCGATTCCGACTTCATGCACTCGAGTTGCAGAGTGCAATCCGGACTACGATCGG TTTTGTGAGATTGGCTCCGCCTCGCGGCTTGGCTACCCTCTGTACCGACCATTGTATGAC GTGTGAAGCCCTGGTCATAAGGGCCATGAGGACTTGACGTCATCCCCACCTTCCTCCGGC TTGTCACCGGCAGTCTCATTAGAGTGCCCAACTGAATGATGGCAACTAATGACAAGGGTT GCGCTCGTTGCGGGACTTAACCCAACATCTCACGACACGAGCTGACGACAGCCATGCAGC ACCTGTGTTACGGCTCCCGAAGGCACTCCTCCGTCTCCGGAGGATTCCGTACATGTCAAG ACCAGGTAAGGTTCTTCGCGTTGCATCGAATTAATCCACATCATCCACCGCTTGTGCGGG TCCCCGTCAATTCCTTTGAGTTTTAATCTTGCGACCGTACTCCCCAGGCGGTCAATTTCA CGCGTTAGCTACGCTACCAAGCAATCAGGTTGCCCAACAGCTAATTGACATCGTTTAGGG CGTGGACTACCAGGGTATCTAATCCTGTTTGCTACCCACGCTTTCGGGCATGAACGTCAG TGTTGTCCCAGGAGGCTGCCTTCGCCATCGGTATTCCTCCACATCTCTACGCATTTCACT GCTACACGTGGAATTCTACCTCCCTCTGACACACTCGAGTCACCCAGTTCAGAACGCAGT TCCCGGGTTGAGCCCGGGGATTTCACATCCTGCTTAAGTAACCGTCTGCGCCCGCTTTAC GCCCAGTAATTCCGATTAACGCTCGCACCCTACGTATTACCGCGGCTGCTGGCACGTAGT

TAGCCGGTGCTTATTCTTCAGGTACCGTCATCAGCCGCTGATATTAGCAACAGCCTTTTC TTCCCTGACAAAAGTCCTTTACAACCCGAAGGCCTTCTTCAGACACGCGGCATGGCTGGA TCAGGCTTGCGCCCATTGTCCAAAATTCCCCACTGCTGCCTCCCGTAGGAGTCTGGGCCG TGTCTCAGTCCCAGTGTGGCGGATCATCCTCTCAGACCCGCTACTGATCGTCGCCTTGGT AGGCCTTTACCC CACCAACTAGCTAATCAGATATCGGCCGCTCGAATAGCGCAAGGCCCG AAGGTCCCCTGCTTTCTCTCAAGACGTATGCGGTATTAGCTGATCTTTCGATCAGTTA TCCCCACTACTCGGTACGTTCCGATATGTTACTCACCCGTTCGCCACTCGCCACCCGAG AAGCAAGCTTCTCTGTGCTGCCGTCCGACTTGCATGTGTAAAGCATGCCGCCAGCGTTCA **ATCTGAGCCAGGATCAAACTCTTATGTTCAATCTCTAACTTTTTAACTTCTGGTCTGCTT** CAAAGAAACCAA CAGGACAATGTTCAAAACATTATCTTGTCTGTCTTTCAAACAGTGTGA GACTCAAGGCACTCACACTTATCGGTAATCTGTTTTGTTAAAGAGCGTTGCGAATTATAA AGTATTCCTTCCGCCTGTCAAGATATCTCTCGATATCCCCAACATTCTGTGCTATACTTT TCAGTTCGTCCGCCACTTCTGCAGCAGCGAAGAACCGAACTATACGCCCACAGGGAAAAA CGGTCAATGCTTTTCTGAAGAAATTTTTTTAAAAATATTTATCTATTTGTTTATAAATTT **AATTTATATCAGTCAATTTTATTTTCCATACAGAATTCTTCCAGTGCCCGATGGATATTT** TCAGTCTGCCATTCGTTTTTTAAGGGTGCAACAATTTCGATTTGTCGGTTTTGGTAGTCA **AATTGTATTTTCCATGCATACAGAAACATGGTTTCGGATTCTGTTCCGCCGTATAAGCTG** TCGCCCAGAATCGGACTGCCCAAACTTTTCATCGCCACTCTCAATTGGTGCGTTTTGCCC GTATGCGGTTCTAGGATGAACAGCCGCAGTTTTTCGGCGATACTGATGCTGTGGAATCGG GTAACGGCGATATTTTCTGTATTGCGCGTCAACTTCCACATTCCACATCTGGATTTTTCC ATTCCGCCTTTAATCCAACCCTGCTTTTTGGACGGCTTGCGGTCGGACAGTGCCAAATAG AGGGCAAACAGT AAAATGCCGCTGGTCTGTTTGTCCAATCGGTGCAGCAGCCACACACGC TCTACGCCCAACTGTATGGCGAGTGTTCGGGCCAGTCCGGTCTCGCCGCTGTCTTGGTGG ACGGATATGCCGCCCGGTTTGTTGATGGCGACGAAGTCTTGATGGCGGAACAAAATTTCC AACATATCCATATATGCCTTGCAAAAATAGAAGGGTTCAATTTTCGTGTTGATGTTCGGC AAGGATTTTTCGTACACAGCTTGCGGCACGTAGCGGTGGATCGTTTCCGTCCAGCCTTC CGGCCCGACCAGTCCTTTGACCATAGTGGACGACACTTCGGCGATTTCGCGCGGCGGCAT GAGGAATACGGTGGATATTTCGGGGGCGAGGTCGCTGTTGATATGGCGCATGGAACGTTC GTATTCGTAATCCGAAGCAGAACGGATGCCGCGCACGATGAATCCTGCATCTACCTCACG GGCGTAATGCACCAGAAATCGGTTTTCAAATACATCGGTTCTGACGTTGGGAAACATTTT AGTAATATCGCACAACATATCCTGCCTTTCAGCGACGGTATAGGTGCTGCGTTTGTCGGG GTTAATGCCGATGGCGACGATGAGTTCGTCAAACATAGATTGCGCCTGCCGTATCATCCA CGGTAACATTTGATTCCTCCCGGCTTCATAGTCGGCTGTGTTGTTGGTGCGTGTGCATCCG TATTGTATGCCCAAAGTAAAATGCCGTCTGAAGCATTTTCAGACGGCATAGTCGGACGGC GTTTTACCGGCATCAATCCTCGCCGTTTAAAGACAACAGGATGTTCAGCAGGCTGCTGAA GATGTTGTAAAGCGAGATAAACAGTGTCAGTGCCGCGCTGATGTGGCTGTCTTCGCCGCC GTCGATGACGGTGCGTACCTGCCACATAATCATTAAGGAACTGAACAAGACAAAACCGGC GGAAATGGTCAGGGCGAGTGCGGGAATACCCAAAAACAGATTGGCAACCACGGCGACCAT CAGAATGACCGCACCTACGGTCAGGAAGCGTCCGAGCGCGTTCATATCGAGCCGGGTTCG GCGCGCCAAGGCGGACATCGTTAAAAAGACGGCGGCGGTCATCGCGGCGCAATGCCGAC GATTTTCGCACCGTCGGCAATATGGAGCGCGTATTGCAGCACGGGGCCGATCAATACGCC CATACCGAATGTGAATACCATCAGCAGGGTAACGCCGGTATTGCTGTAACGGTTTTTCTC GATGAAGTGGATCATACCGTAGAAAAACGCCAACACGACGGCAAACCCTATCCAGCGCGA ACCGAAGGCGGCGTAAAAATTGAAACCGGCATTGGCGGCAAGTGCCGCGCCTGCGGAAGC CGGAATAAATGAAAATCCGAGCAGGCGGTAGGTTTTCTGCAGGACGGTGTTTTTAGAAAC CGTATGCGCGGTGTAGTCGTAAACGTCGTGTTGCATATCATCTGCTCCTGAAAGCGCGGT TGGGAATAATGGGGGATTTTAACATTGCCCAATGTCAAAATTTGTCCGGTTGCGTGAAGA TAAAGTTGTCCGGCGTATTTTAAAGGCCGTCTGAAGCAGTTTCGGACAGCCTGTGTTCAA **AACGGAAAACCGTTATTGCGGAACGTATCCCTGAACGGCATCCGCCGCCGTCGCCGAAGAA** GTTTTCGTTAATCAGCATCGTTTGGTGGCGCGCCCACGCCCACGCTTCTTGCGATAC GTTTTCAAAAATGCGCTTGCCCAATTCGTTGGGAAGCGGCGGAAATTTCATGCCTTCGGC TTCTTTGTTGAGCTTGACGCAGAATACCATGCGTGCCATAGCGGATTCCTTTGCTGTGTT CAGAAATAACGGGGTGATTTTAACCGATTAGGGATACGGACAAAAGCCTTCTTATTCCCG **ATGATAGGGATGGTTGTGCAGGATGGAAACGGCGCGGTAGAGCTGCTCGGTCAGAAAGAC** GCGCACCATGCCGTGCGGCAGGGTCAGGCTGGACAGGCGCATCATCATGCGTGCCTGCTG TTTGAGGCGGTCGGTCATGCCGTCCGCGCCGCCGATGACGAAGCAGACGTGTTCGCCGTT TTGCCGCCAGCTTTTGAGGTGTTCCGCCAGCTCGACGGAGGTCGGTGCTTTGCCGCGTTC GTCAAGAACGACGAGGAACGCGCCTTGCGGAATGGCTTCAAGGATGCGTTTTTCTTCCGC CGCCATACCTTGGGCGGCATTCACGCCCGCGCGCGTTTTTCGGGTTTGATTTCTTTGAG TGCGTAGGCGACGTCGCGTCCGAAGCGTTTTGGCGTATTCGGCGACGGCCTCATCAACCCA GCGCGCATTTTGGTGCCGACTGCCAAAACGGTGATGTTCAATGCTTTCTCCCTTACAGG AAAATGCCGTCTGAAGGTTCAGACGGCATCGGGAATCAGTCTGCCGCGTGCCACGGCTTC TGCATTCCGGCGTGGAAACTCGGTTTCTCGCCGCCCCAGAGGGTGTCGATGTCGTAGAAG TCGCGCACGGCAGGGAGCATGACGTGGACGACGAGGTCTCCTGCATCAACCAGCGTCCAT TCGCCGCTGTCGCCTTCGGTACTGAGGATTTCAAAACCGGCTTCTTTCAAATCGACGGCA ACGTTGTTGGCCAGTGCTTTGACTTGGCGCGTACTGTCGCCGCTGGCGATAATCATTCTG GCAAACAGCGAAGTTTTGTCTTGGGTTTCGAGAACGGAAATGTCTTTGGCTTTGATGTCT ATTATTTTCCTAACGGGATGTTTTCAGACGGCATTATAGCCGTTTCTTACTGATTTGACT TTATTTTTCATACAAACCGTGTTCGCGGATGTAGCGTGCGGCGGCAGGCGGGATGCCGTC TGAAACGCCTTGGCCGGCAAGGTTGCGGCGGATTTCCGTTGACGACACATTATGCATCGG GGCGGACAAGATGCGGACGCTGCCGTCCTGAAGGGACTTGCCCAGCCACGCGTGCAGTTC

GCGCGGGGTTTGGTGCAGGCTGTCGCCTCATGGCGACGGCGATATTGGTTTCGCG CACGAGCATCTGCCATTTTTCCATGTGTGCAGCTTCATCAGGCTGTCGCTGCCCATCAG CCACCAGAGTTGCGCGGATGGGAACTGCTGGCGGAAGATTTGGACGGTATCAAAAGTATA GGTTGCACCTTCTCGGACGATGTCGCAATCGCTGACGGCAAAACGCGCGTCTTCTGCCGT CGCCAATTCGACCATGGCAAGGCGGTCGGCGGCGGAAGCGGAGGCTGCGTCTTTGTGATA CGGGCCGCCTGTCGGCAGGAAAACAACCGCGTCCAAGCCGATTTCGTCGGCAAAGGCACG GGCGATATGAAGATGTCCGTTGTGTATCGGGTCGAAAGTACCGCCGAACAATCCGATTTT CTTCATGATGTTTCCATTCCTTCCGATAAGTCCATGCCGTCTGAAACACTGCCGTCCACA ACCAGCGTCAGTTTGCCGGTAACGGGATGGATGACCAGTCCGTGAACGGCGATATGGCGC GGCATCAGCGGATGGTTACGGATAAGGTCCACCGTGTGGCGCACGCTGTCTTCGACGTTG TCGAAACCGGTCAGCCAGCCGTCGAGGTCGATACCGGCATAACGCAGGGTTTCGATACGG TCTTCGGGAATCCGGCTTTCCCGGACGCGCCCGAGGAATTCTTCGGCATTCAGCCCCTGC ATACCGCAATCGTGATGGGCGATGACCATAATCTCTCTGACCTTCAGTTCAAACACGGCA ACCAAAAGGCTCCGCATCACCGAACCCCACGGGTGCGTAACCAGCGCGCCGGCATTTTTA ATCAGCTTGGCATCGCCGTTTTTCAAACCCAACGCGTCGGGCAGCAGCCCGATAATCCGC GCATCCATACAGGACAAAACTGCCAGCCCGCGTTCGGGGTATTTGTCGGTAAAGTATTTT TCATATTCGCCCGACTCGACAAACTGCCGGTTATGGGCAAGGATGTTATCCAACTCGCTC ATTTTGCCGTCCTCTGAAAAAGGGTTCACATTATAACGTTTCCGTCTGTTTTCCGCCTTC GCCGCCGTCCAACAGCAGGAAAATACCCAGCGCGAACGCCGCCAACAGCAATGTCAGCAC CATCGCCCGCGCTAATTATCCTCACCCGCGCGTCCCAAATAGGCATAAATCAAAGTCGT CAGCGTCTGCCATTCCGGACGCGACAGAAACAATGTCGCCGCAAATTCGCCCACGCAGGT TGCCGCCGCCAAAGTCAGACCGCGCGCAACGCCGGTTTCAAGAGGGGGAACGTGATGCG CCATGCCGTCTGAAAGCCGTTTGCACCCAAACCCGCCGCCGCCCTGCCGTAATCCGGCGG CAGTGCATCCCAGGCTGATAAAACATCTTTTGCCACAAACGGATACGCCAGCAGCAGCATA CATCGCCAGCAGCAACGGCAACGAAGCCGTCCACTGCGGATAAAGCAGCAGCACGCCCGC CGAAACACAAACCGGCGACACCATAAACGGCAAAAACATCAGCCCGCGCATCCACGCCGA CCGCCGCGCCGCCGCATACACCACACCCAAAACCGCCGCCGCATACACCGCCGCCGC CGAGAAGCGCAAAGTATTCCACACCGCCTGCCACGTTTCACTTTCCATTAACACACGCCA CGATTCGCCGGCCGACCACGCTTTCACAACAATTGCCAACAAAGGAAACAGGCAGCACAC CGGCATCACAGGGGAAACCGCCTTATCCGAAACCGCGCGCCTGCCGAACCACGCATACAG CAACCCTGCCGCCGCTTACCCCCAACACCAGCCACCCAGCACCGAAGCAACCGCCAT ATCGAGTTCGAACATGACCAACTGGTAAATTTCCACTTCGACCGTGGCATAACGGCTGCC GCCCAGCAGCAGCCCCGAACCCGGAAAAACAATACAGAAAGACAAGGCACACGCC GCCGGCAAGCCACGGGCGCAAAACGGGCATTTCAATGTCCCAAAACCGCCGCCACGCCCC CGCGCCCAACGTCCGTGCCGTCTGAAGCCGTGCCGCAGGCACTTGCACAAACCCCTGATA CGCCGCCCTGACCAACACAGGAAGGTTGAAAAACACATTGCCGTACAACAACAACAGATACGG CGTATCCTGCCTGCCGCGCCACAACAGCCCGTCCGCCCCGAACAGGGCCAGCACGCCCAC GCCCGCCACCAACGTGGGCATCACAAAAGGCAGCATCAGCAGGCGCAGCACCAAAGCCCG CACACAGGTTGCCGCTGCCTGAAATACCGTCCACGCCAAACGTTTGAGCATATAGGCATC CGACAGCACCGCGCCACGCCAAACCGTCATACGCCGCCACCGCCCACAAAGGCGCAAC GACCATTACCGCCAAAAAAGCCGAAGGCAGCAGGGCAAAAGCACCCCATACCACCCAACG CCGTCCATCCATCGCCTTCCCCACTTGAAACACTGATGTTGCGATTGTACCCAAAAGCCC CCACATACCGTATATTTCAATCCGACTACATACCGTATCCGCCTTCCTCCCGCCGTCTGA AATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCTGCAGACAGTACAAATAGT ACGGAACCGATTCACTCGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGC GAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATAAATCGTTCAAATAAACAGGAATA TAACTTCAGACAAACAACTTACCGCCCGATTTGTGCTATCGTTTTCGCACAACTTAAAAA AACCTGACAATTTTGTACTTTTATTACAGAGAAAGGCTTTACAAATGGACGGCTGGACAC AGACGCTGTCCGCGCAAACCCTGTTGGGCATTTCGGCGGCGGCAATCATCCTCATTCTGA TTTTAATCGTCAAATTCCGCATCCACGCGCTGCTGACACTGGTCATCGTCAGCCTGCTGA CGGCTTTGGCCAACCGGTTTGCCCACAGGCAGCATTGTCAACGACATACTGGTCAAAAACT TCGGCGCACGCTCGGCGGCGTGGCGCTTCTGGTCGGCCTGGGCGCGATGCTCGGACGTT TGGTCGAAACATCCGGCGCGCACAGTCGCTGGCGGACGCGCTGATCCGGATGTTCGGCG AAAAACGCGCACCGTTCGCGCTGGGCGTTGCCTCGCTGATTTTCGGCTTCCCGATTTTCT TCGATGCCGGACTAATCGTCATGCTGCCCATCGTGTTCGCCACCGCACGGCGCATGAAAC AGGACGTACTGCCCTTCGCGCTTGCCTCCATCGGCGCATTTTCCGTCATGCACGTCTTCC TGCCGCCCCATCCGGGCCCGATTGCCGCTTCCGAATTTTACGGCGCGAACATCGGCCAAG TTTTGATTTTGGGTCTGCCGACCGCCTTCATCACATGGTATTTCAGCGGCTATATGCTCG GCAAAGTGTTGGGGCGCACCATCCATGTTCCCGTTCCCGAACTGCTCAGCGGCGGCACGC AAGACAACGACCTGCCGAAAGAACCTGCCAAAGCAGGAACGGTCGTCGCCATCATGCTGA TTCCCATGCTGATTTTCCTGAATACCGGCGTATCGGCCCTCATCAGCGAAAAACTCG TAAGTGCGGACGAAACCTGGGTTCAGACGGCAAAAATAATCGGTTCGACACCGATCGCCC TTCTGATTTCCGTATTGGTCGCACTGTTTGTCTTGGGACGCAAACGCGGCGAAAGCGGCA GCGCGTTGGAAAAACCGTGGACGGCGCACTCGCCCCGTCTGTTCCGTGATTCTGATTA CCGGCGCGGGCGTATGTTCGGCGGCGTTTTGCGCGCCTTCCGGCATCGGCAAGGCACTCG CCGACAGCATGGCGGATTTGGGCATTCCCGTCCTTTTGGGCTGTTTCCTTGTCGCCTTGG CACTGCGTATCGCGCAAGGTTCGGCAACCGTCGCCCTGACCACCGCCGCCGCGCTGATGG CTCCTGCCGTTGCCGCCGCCGGCTTTACCGACTGGCAGCTCGCCTGTATCGTATTGGCAA GTCTCTTGGACATGGACGTACCGACCACGCTGAAAACCTGGACGGTCAACCAAACCCTCA TCGCACTCATCGGCTTTGCCTTGTCCGCACTGCTGTTCGCCATCGTCTGACAGACGGAAA GGATAGTAAATGACTACGCATTTTGTCGTTATGGGCGTATGCGGCTGCGGCAAGACCACC GCCGCGCTGTCCCTGCAGAAACACCTCGGTCAATGTCCCTATGCCGAAGGCGACGAGTTC

CACACCCAAGCCAACCGCGACAAGATGGGCGCGGGTATTCCGCTGACCGATGAAGACCGC TATCCGTGGTTGGGCAATCTGCGCGACTGGATGACGCAACAGGCGCAAAACGGTGCGAAC CACACCATCGTAACCTGTTCCGCCCTCAAACGCGGCTACCGCGACATTCTGCGCGGAGCC GAAGGCAAAGCTGCCTTCATCCACCTCAGTCCGCCGCAAGACATCAACCTCGAGCGCATG ATGTCGCGCAAAGGACATTACATGAAAGCAGGGATGCTCGATTCGCAACTGGAAATCCTC GAGGAACTGGGCGAAGGCGAATACGGGGTCAAAATCGCCAACCCCGGCACGCCCGAAGCG GTCGAAGCCGATATTCTGAACTGGGTTGCCTCGGAAAACCTGCTTTGAAGCAATATGCCG TCTGAAGCCCGACACAGGATGGGTTTCAGACGGCATAAACATCGGGAACAGAATGGATTA CATTGATTTATAGTGGATTAACAAAAACCAGTACAGCGTTGCCTCGCCTTAGCTCAAAGA GAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATCTGTACTGTC TGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATAAAATGGAAAATACCCGG CTATCGTCTCATTTTCGTTTTAATCAGCCATAAAAATGCCGTCTGAAACCCTTTCAGACG GCATTTCTGTCAAACGCCGGACGCACTCAACCCAAACTCAACAGCAGGTTGCGGAACGCG TTCGGGTCTTTGATAAACGTCATCTCGCCCGCCTGCGGAAAATGAAAATCCAACAGGCGC GACACCCAAAAACGGATGCAGCCGGCACGTTGGGCGGTCGGGAAATACGCCTTTTCTTCG GCACTCAAGGGGCGCACGCCCTCATAACCGCCGATAAACGCCTTTTTCAACGCCTCATCC TTGCCCCGGCAGGCGTAATAGAAATCGATGAAGCCCGATACCTGACCGCCGTCAAGCAAC ACATTGTCTTTAAACAGATCGGCATGGATGATGCCCGAAGGCAGATGATTGCCGAGATTG TCCTTCAACGCATCGATTTCGGAACACAGCAGTGCGGCATCGTCTTGCGACAGGACGGGC AGCAGCCGGGCGCACGCCTCCGTCCACCACGCATTGTAACGCGGGTTTTCCATTTCCAAA GGGAAATCGGCGGCGAAGGTGCATTTTCGCCAACATCGCACCGGTATGAAAACACTGC CCCGCCAAAACGGAATCAAGCCGGCCGTCTTTGCGCGCAACCGGCGCGCAACCGCCACG CCCTTCATACTCAAATGCCGGTTAAGCTCCAGAAAAAACGGCAGCTCTTCCTGTTTCAAC ACTTCAAACACGGTCAGCACATAACGTCCCGAAGTCGTCGTCAGAAAATAATTGCTGTTG GTAATCCCCTGCGCGATGCCCTGCAGGGAAACAAATTCCCCCAAATCGTAACCGCTCAGG GTCGAATCGCACAGGGCATAAGTTTGCGACAACACATGGTAAGTCATACCCTTCGTATCC GCCACATCCAAGCCTGCCTGACGGCACATTCGCGCCAGCTCGGCAGGTGCGATGAATTTT TTCCAGTCGTGCGTGCCTTTGGGGACAAACTTCAACAGATATTCCGCCGCCACAATCAGA TGCAGGTACGATTTCGGGTTTTTATTGATGGTGGAAAAAAACACCATGCCGTCCGGTTTG ACCAGATTGGCACAAGCACGCACGATGGCGGCGGGATCGGGGACGTGTTCCATCATTTCC ATGCACGTTACCACATCGAACGAGTGCGGTTCCGCCTCGGCAAGGTCTTCCACGCGGATA GACTGCTCCGCCATGTCGATGCCCTTTACAAACGCCGCGCCGCGCCGCGCCATACTTTCC GCCAAGATGCCGCCGCCGCAGCCCACGTCCAAAACCCGTTTGCCGCACAAATCCGCGTGT CCGTCGATATAATCCAGCCGCAGCGGATTGATGTCGTGCAAGGTTTTGAACTCGCCCGAC TTGTCCCACCATTTGTCGGCAATCCGGCTGAATTTGGCGATTTCCCCCTCATCGACATTA TATTTTTTTGTCGGACATTTTCCCTCCCATCTGACGAACCGCCCACTCCAAAACCCAAGAT ACAAATCCTTACACTTTACGGCATAATGGCGGCTCGCTTTTTCTGGCAGAAAGACAAAAT ATGCCCAACAAACCCCTTCACTGTTCGGCGGCGCGATGATTATCGCCGGCACGGTCATC GGCGCAGGCATGCTCGCCAACCCGACCGCCACATCCGGCGTATGGTTTACCGGCTCGCTG GCCGTGTTGCTGTACACCTGGTTTTCTATGCTTTCCAGCGGCCTGATGATTTTGGAAGTC AACACCCATTATCCGCACGGCGCAAGTTTCGACACGATGGTCAAAGACCTGCTCGGACGC TATATCTTCGTCGGCGGCGACCTGACCGCCAAAGGCTTAGGCAGCGCGGCAGCCGCGAC GTTTCACTCACCGTCGGACAACTCGTCTTCTTCGGCATCCTCGCCTTTTGCGTATGGGCA TCCGCACGCTTGGTCGACCGCTTCACCGGCGTCCTTATCGGCGGCATGGTATTGACCTTT GCCCCGCCGCACAAACTACTGGATTTACGCCGCCACCGCCCTGCCCGTCTGCCTCGCT TCCTTCGGCTTCCACGCCAACGTCTCCAGCCTGCTCAAATACTTTAAAGGCGACGCGCCC AAAGTGGCTAAATCCATCTGGACGGGCACACTGATTGCGCTGGTAATTTACGTCCTCTGG CAAACCGCCATCCAAGGCAACCTGCCGCGCAACGAGTTCGCCCCGTCATCGCCGCCGAA GGGCAAGTCTCCGTCCTCATCGAAACCCTGTCCAAATTCGCCCAAACCGGCAATATGGAC AAAATATTGTCCCTGTTTTCCTATATGGCGATCGCCACCTCGTTTTTAGGCGTAACGCTC GGACTCTTCGACTACATCGCCGACATCTTCAAATGGAACGACAGCATCTCCGGCCGCACC TTCGTTACCGCCATCGGCTACGTCGGCCTGGCGGCAACCGTCTGGACAGGCATCATCCCC GCCATGCTGCTCTACCGTTCGCGCAAAAAATTCGGCGCAGGCAAAACCTATAAAGTTTAC GGCGGCTTGTGGCTGATGGTTTGGGTCTTCCTTTTCGGCATCGTCAACATCGCCGCACAG GTATTGAGCCAAATGGAACTCGTCCCCGTATTTAAAGGATAAAGGCAAAATGCCGTCTGA AGCCCGCCGGCGCTTCAGACGGCATTGCCGCAACAAACGGCAACCGTATTCCGGCACAC AGCGCATTACCCTGCCCCTCACGCACAAATCCCGCCCCGACAAACCGGGACGCAACCATA GCACGGAACGCTACACATTGGATTTGGTAAAGGGTCTGAACAGACAAAACATCACACCGG CCGTTTATGCGACGAAATTTGATCACAGCATTCCTGAATACGCCCTAATCGAACCCCATC TTGTCGATCAACACCGGACGCTGAAAAAACTACGCTCATTCCTCTTTTCAAGCCGGCTCG ACCTCCTCATCTGCGGCGCACACACTTGGGCTACCTGCACCATATGGCGCAAAAACCGA ACCTGCTCGACCGCCTCGCCATACGCCGCAACCGCCAGCAACTACGCCACCGCCAAACTGA TTATGGCGCATTCCCATATGATGCGGCGCGAACTGGTCGGACTGTACGGCGTTCCCCCTG AAAGAATCCAAGTCGCCCCCCCCCCCCCGCAGATACGGAACGCTTCTTTCCACAACCCGGA

GAAACTGCCGACCTGCGCGCCAAATACGGCTTTGCCGACCATGAAACCGTTTTCCTGTTC CCATCGACCGGCCACACGCGCAAAGGTCTGGAACTGCTTGCCGACTTTTTCGAACATACC AGCCTGCCCGTCAAGCTCGCCGTTGTCGGCTCCCCGCTTCCCCGCCCTATGAAAAACGTC GTCGGACTGGGCTTCTGCACCGATATGCCCGAACTCTACCGCCGCCGACTTTACCATT ATGGCTTCCCTGTACGAACCCTTCGGGCTGGTCGGAATCCGTCCTATGCGGCACA CGCGTCGTCCTCCGAAAACATGGCATGTACAGAGGTCATGAACGAAGAAGCCGGCTTC TTTTTCTCACGCCAAAACCCGGAAACCCTGGCGCAAGCCGTTGCCCAAGCCGTCAGCCTT AAAAAACAGGGCGGACACCGCCTGTCCGACCCGATGCGGGCACTGAACTACAACCCGGCT TTAGACAAACACATCGGGCTGATTCTTGAAATGCTTGCCGCCTGACCGCGTCCCCAAACG GCATTGCCCCGCAACTTCCGCGCCGAGACTTTTGCAGCGGAAAATACGTCCGGCAGAAAA TCCGCCGTTGCAGGAGCAGGCAGGAAAACATCGGCAACCGCCCCGAAACGCCGTACCCG CGCATTGCAAGCGGTTGCCGGAACAGGCGCGTTATCGCGCGGCACAGGCGCATTTCCACC GATATTTCAGTATAATGCCACCCCGACCTGCCCCAATCCAAAGGAAACGCGATGAAACT CATCATTCTCGACCGCGACGGCGTCATCAATCAGGACCGCGACGACTTCGTCAAATCCGT CTACACCGTCGCCGTTGCCACCAACCAATCCGGCATCGGGCGCAAATATTTTACCGTTCA CAACGGCATCTGGTTCTGCCCGCACACCGATGCCGACAACTGCAACTGCCGCAAGCCCAA ACCGGGTATGATTGAAGACATCATCGGACGCTTCAACGCCCAAGCCTCGGAAACCTGGCT GGTCGGCGACAGCCTGCGCGATTTGCAGGCAATCGATGCCGTCGGCGGCAAACCCGCGCT GGTTCTGACCGGAAAAGGCAAAAAAACGCTCTCCCAACACGGACACGAATTGCCCGAACA CACACAGGTTTTCGATACCCTGCTCGATTTCTCACAATACATCATGCAGGAAAACACCGC ACCGCAAGCCGA CTGAACATACCGCATTCCGACAAGGCAAAACCATGCTCATCATCCGCA ACCTGATTTACTGGCTGATACTCTGTTCCACCCTGATTTTCCTCTTTCCCTTTATGCTGC TCGCCTCGCCTTTCCGGGACGGGGCGCACAAGATGGCGCGGGTCTGGGTCGGCATTCTCA ACTGGTCGCTCAAACACATCGTCGGGCTCAAATACCGCATCATCGGCGCGGAAAACATCC CCGACCGCCCGCCGTCATCTGCGCCAAACACCAAAGCGGCTGGGAAACGCTCGCCCTTC AGGACATTTTTCCGCCGCAGGTTTACGTTGCCAAACGCGAGTTGTTCAAAATCCCCTTTT TCGGCTGGGGCTTGAAACTGGTCAAAACCATAGGCATAGACCGCAACAACCGCCGCGAAG CCAACGAGCAGCTCATAAAACAGGGGTTGGTGCGCAAAAACGAAGGCTATTGGATTACCA TTTTCCCCGAAGGCACGCGCCTTGCGCCCGGAAAACGCGGCAAATACAAACTCGGCGGCG CGCGCATGGCGAAAATGTTTGAGATGGACATCGTCCCCGTCGCCCTCAACAGCGGCGAAT TTTGGCCGAAAAACTCCTTTCTGAAATATCCGGGGGAAATCACCGTCGTCATCTGTCCGA CCATCCCGCACGCAAGCGGCAGCGAAGCCGAATTGATGGAAAAATGCGAACATCTCATCG AAACGCAACAACCGCTTATTTCCGGCGCAGGCCCGTTTGCCGCCAAAATGCCGTCTGAAA CCGCATGACCGCCTTTGTCCACACCCTTTCAGACGGCATGGAACTGACCGTCGAAATCAA GCGCCGTGCCAA GAAAAACCTGATTATCCGCCCGGCGGCACACATACCGTCCGCATCAG CCTGCGGCAAACACTGGCGAAAACACCGCCGCCGCAAACTGCCGAAAACCGGCTGCCCGA ATCCATCCTCTTCCACGGCAGACAGCTTGCCCTCACCGCCCATCAAGACACGCAAATCCT GCTGATGCCGTCTGAAATCCGTGTTCCCGAAGGCGCACCCGAAAAACAGCTTGCGCTGCT GCGGGACTTTTTGGAACGGCAGGCGCACAGTTACCTGATTCCCCGCCTCGAACGCCACGC CCGCACCACACTGTTCCCCGCCTCCTCCTCGCTGACCTCTGCCAAAACCTTCTGGGG CGTGTGCCGCAAAACCACAGGCATACGCTTCAACTGGCGGCTGGTCGGCGCACCGGAATA CGTTGCCGACTATGTCTGCATACACGAACTCTGCCACCTCGCCCATCCCGACCACAGCCC CGCCTTTTGGGAACTGACCCGCCGCTTCGCCCCCTACACGCCCAAAGCGAAACAGTGGCT TTTCAGACGGCATCCGTGCCGGAACAGGCACGCGCCCGGATTCAAACCGCGATGACG CTTTGCCGCCGGTTCGGGGCAGGATGGCGGCACACGCCGTCTGCCGCGTTTCATTTCA CACCGCTCTTCCGAAACCCGAAACCCGCCCGGTCCGACGTGCGGTATGAAACGCTTAAGC TGACGCGAAGTCTTTTACTGATTTGCCCGCGAAAATGCCGTCTGAAAGGTTTTCGGACGG CATTTTTTTTGCGTTTCCCAGGATGGCGGCGGATTCGTAAAAGGCGGTCAGGGTGGATTG TAGGATGGGTTGAGACCTGCCGAATCCGCCGCATCTGCCAAATCTACCGCCGTCATTCCT ACGAAAGTGGGAATCTAGAACGCGGGGTTAAGAAAACCTGCATCCCGTCATTCCCACGAA AGTGGGAATCCAGTTTTTTGAGTTTCAGTCATTTCCGATAAATTGCCTTAGCATTGAATG ATTCCCACGAAAGTGGGAATCCAGGACGAAAAATCTCCAGAAACCGTTTTATCCGATAAG AAACCTGCATCCCGTCATTCCTACGAACCTACATTCCGTCATTCCCACGAAAGTGGGAAT CCAGAATCCCAGACTTTCAGATAATCTTTGAATATTGCTGTTGTTCTAAGGTCTAGATTC CCGCCTGCGCGGGAATGACGGGATTTGAGGTTTCTGTTCGCGTCATTCCCACGAACCTGC ATCCCGTCATTCCCACGAAAGTGGGAATCTAGTTTTGTCGGTGCGGAAACTTATCGGATA TAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGG AACCGATTCACTTGGTGCTTCAGCACCTGAGAGAATCGTTCTCTTTGAGCTAAAGCGAGG CAACGCTGTACTGGTTTTTGTTAATCCACTATAAAATGGTTTCTTTAGATTTTACGTCCT AGATTCCCGCCTGCGCGGAATGACGATTCGGGCACTCCTGACAGGGTAAATTCACAGGA TAGCGATTCGTAGCAACTGCATCCCCCCCCCCAACAACTCCCCAAACAACGCCGCTCGC CCTGGGCGTTTGCCGTTTCCCTGCAAAATCTGCGATACAATGCAGTCTGAACATTTATCC GAATCCCAAATCCGATGGATACCGCACAAAAACAACGCTGGGCAATAACCCTATCCTATG CATTGGAAACCGCGCTCGCCCAAATAGCAGGGGAAGCGGTTTCCACCACCGTTGCCGGCA GGACCGACACCGGCGTGCATGCCACCGCCCAAGTCGTCCACTTCGACACAACTGCCGCCC GTCCCCAACAGGCATGGGTGCGCGGCGTAAATGCCCACCTGCCCGAAGGCATTGCCGTTT ACCGCTACCTGCTCGAATCCGCCCCGTCCGTTCCCCCCTGCTCAAAAACAGGGCAGGCT

GGACACCTCAAACTCGACATCGGGCAGATGCGGCAGGCTGCCGCCTTATTGGTCGGCG AACAAGACTTCTCCAGCTTCCGCGCCGCCGAATGCCAAGCAAAATCCCCCGTCAAAACCA TCTACCGCGCCGACCTTACCCAAAGCTCAGGACTCGTCCGCCTCGATTTGCACGGCAACG CCTTTTTGCACCACATGGTACGCAACATCATGGGCGCGCTCGTTTATGTCGGCAGCGGCA GACTCAGCGTCGAAGGCTTCGCCGCACTGATTCAAGAACGCAGCCGCCTCAAAGCCCCGC CGACCTTCATGCCCGACGGACTTTACCTGACCGGCGTCGACTATCCCGAGGCATACGGCA TCATCCGCCCCAAATCCCCGAATGGCTTTAAAACATGCTTGTCGCGGAGATTTTGAAAT CGGACAAACTGTCAGGCAATCTTTTTCCATGTTGACACTACCTCATCAAGGTACTAACAT TGTTATTACATAAACAGGTGAATATGGTACGTATATGATTCTCAACATACGCAAAATGGG AAACTCGCAAGGCGTGATTCTGCCCAAATCATTATTGGGTCAAATAGGGGCAGTAGACAG CTTGGCTGTTACAGTTGAAAAGGGCAATATTATTTTAAGCTGTCCTACCGTTCGCAGGGG TTAGACCCGACCGTAGGAAGCGAAATCAAAAAGACACGTCCTTGTGTCGTAGTCTCTCCT CCTGAAATACACAACTATCTCAAGACTGTGCTGATCGTTCCCATGACGAGCGGAAGCCGT CCTGCCCGTTCCGCGTCAATGTCCGCTTTCAGGATAAAGACGGTTTGCTTTTGCCCGAA CAGATTAGGGCTGTGGATAAAGCCGGATTGGTCAAACATCTTGGCAATTTAGACAACAGT ACGGCTGAAAAACTGTTTGCAGTATTGCAGGAGATGTTTGCCTGATTGAATAGTCTGAAT GGATTGTGTTCATTATAGTGGATTAACTTTAAACCAGTACGGTGTTGCCTCGCCTTAGCT CAAAGAGAACGATTCTCTAAGGTGTTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGT ACTGTCTGCGGCTTCGTCGCCTTATCCTGATTTTTGTTAATCCACTATAAAGACCGTCGG GCATCTGCAGCCGTCATTCCCGCGCAGGCGGGAATCTAGAACGTGGAATCTAAAGAAACC GTTTTACCCGATAAGTTTCCGCACCGACAGACCTAGATTCCCGCCTGCGCGGGAATGACG GGATTTTAGGTTTCTAATTTTGGTTTTCTGTTTTTGAGGGAATGACGGGATGTAGGTTCG TAAGAATGACGGGATATAGGTTTCCGTGCGGATGGATTCGTCATTCCCGCGCAGGCGGGA **ATCTAGAACGTGGAATCTAAGAAACCGTTTTATCCGATAAGTTTCCGTGCGGACAAGTTT** GGATTCCCGCCTGCGCGGGAATGACGGGATTTTAGGTTTCTAATTTTGGTTTTCTGTTTT TGAGGGAATGACGGGATGTAGGTTCGTAGGAATGACGGGATATAGGTTTCCGTGCGGATG GATTCGTCATTCCCGCGCAGGCGGGAATCTAGACCTTAGAACAACAGCAATATTCAAAGA TTATCTGAAAGTCCGAGATTCTAGATTCCCGCCTGAGCGGGAATGACGAAAAGTGGCGGG AATGACGGTTAGCGTTGCCTCGCCTTAGCTCAAAGAGAACGATTCTCTAAGGTGTTGAAG CACCAAGTGAATCGGTTCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGA TTTTTGTTAATCCACTCTAAAGACCGTCGGGCATCTGCAGCCGTCATTCCCGCGCAGGCG **GGAATCCAGACCTTAAGGCAGCGGCAATATTCAAAGATTATCTGAAAGTCCGAGATTCTA** GATTCCCGCCTGAGCGGGAATGACGAAAAGTGGCGGGAATGACGGTTAGCGTTGCCTCGC CTTAGCTCAAAGAGAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTAC TATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATCTCCT CGTCTTTATAACCCCCGGTTTGCAATGCCCTCCCAATACCCTCCCGAGTAAGTGTTGTAAA AATGCAAATCTTAAAAAATTTAAATAACCATATGTTATAAAACAAAAAATACCCATAATA TCTCTATCCGCCCTTCAAAATACACATCGAATTCCACACAAAAACAGGCAGAAGTTTGTT TTTTCAGACAGGAACATCTATAGTTTCAGACATGGAATCGCCGAAAACGTCGGCGGTAAA TGCAAAGCTAAGCGGCTTGGAAAGCCCGGCCGGCTTAAATTTCTTAACCAAAAAAGGAAT ACAGCAATGAAAAAATCCCTGATTGCCCTGACTTTGGCAGCCCTTCCTGTTGCAGCAATG GCTGACGTTACCCTGTACGGCACCATCAAAGCCGGCGTAGAAACTTCCCGCTCTGTATTT CACCAGAACGGCCAAGTTACTGAAGTTACAACCGCTACCGGCATCGTTGATTTGGGTTCG AAAATCGGCTTCAAAGGCCAAGAAGACCTCGGTAACGGCCTGAAAGCCATTTGGCAGGTT GAGCAAAAAGCATCTATCGCCGGTACTGACTCCGGTTGGGGCAACCGCCAATCCTTCATC GGCTTGAAAGGCGGCTTCGGTAAATTGCGCGTCGGTCGTTTGAACAGCGTCCTGAAAGAC ACCGGCGACATCAATCCTTGGGATAGCAAAAGCGACTATTTGGGTGTAAACAAAATTGCC GAACCCGAGGCACGCCTCATTTCCGTACGCTACGATTCTCCCGAATTTGCCGGCCTCAGC GGCAGCGTACAATACGCGCTTAACGACAATGCAGGCAGACATAACAGCGAATCTTACCAC GCCGGCTTCAACTACAAAAACGGTGGCTTCTTCGTGCAATATGGCGGTGCCTATAAAAGA CATCATCAAGTGCAAGAGGGCTTGAATATTGAGAAATACCAGATTCACCGTTTGGTCAGC GGTTACGACAATGATGCCCTGTACGCTTCCGTAGCCGTACAGCAACAAGACGCGAAACTG ACTGATGCTTCCAATTCGCACAACTCTCAAACCGAAGTTGCCGCTACCTTGGCATACCGC TTCGGCAACGTAACGCCCCGAGTTTCTTACGCCCACGGCTTCAAAGGTTTGGTTGATGAT GCAGACATAGGCAACGAATACGACCAAGTGGTTGTCGGTGCGGAATACGACTTCTCCAAA CGCACTTCTGCCTTGGTTTCTGCCGGTTGGTTGCAAGAAGGCAAAGGCGAAAACAAATTC GTAGCGACTGCCGGCGTGTCGGTCTGCGCCACAAATTCTAATCTGCAAAGATTGGTATC **AACAAAAAGCCTGTCGCCAGACAGGCTTTTTTCTGTTTGGCTTTTTCCTGTTTTCTGTTT** GGCTTTTTCCTGTTTTCTGTTTCGCTGTTTTCTGTTTCGCTGTTTTCTGTTTCGCTGTTT TCTGTTTCGCTGTTTTCTGTTTCGCTGTTTTCTGTTTCGCTGTTTTCTGTTTT TCTGTTTGGCTTTTTCTGTTTGGCTTTTTCCTGTTTTTAGTCTTTTTTATTCAATGTCA **AAATATGCCGTCATTCCCGCGCAGGCGGGAATCTAGTGCGTTGAGTTTCAGCTATTTAGA** ATAAATTTTGAAACTTTAATCCCGTCATTCCCACGAAAGTGGGAATCCAGGACGCAAAAT CTCAAGAAACCGTTTTACCCGATAAGTTTCCGCACCGACAGACCTAGATTCCCGCCTGCG CGGGAATGACGGGATTTGAGGTTGCGGCATTTATCGGGAGCAACAGAATCCGCTCTGCCG TCATTCCCACGAAAGTGGGAATCTAGTTCGTTCGGTTTCGCTTGTTTTAAGTTTCGGGTA **ACTTCCACTTCGTCATTCCCGCGCAGGCGGGAATCCAGTGCGTTGAGTTTCAGCTATTTA** GAATAAATTTTGAAACTTTAATCCCGTCATTCCCACGAAAGTGGGAATCTAGTTTTTTGA GTTTCAGTCATTCCCGATAAATTGCCTTAGCATTGAATGTCTAGATTCCCGCCTGCGCGG GAATGACGGCGGAAAGATTCTATTTTCCCGATAATCGCCCACAATCTCAAATTCCTTCA TTCTCTCAAAAACAAAATCAGAATCCTAAATCCCATCATCCCCATCTATGTGAATATAAA **AATTTTAAAAATTATAGTGGATTAACAAAAACCAGTACGGCGTTGCCTCGCCTTAGCTCA**

AAGAGAACGATT CTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATCTGTAC TGTCTGCGGCTT CGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATTTTCACAAGCGA AAGAATGCCGTCTGAAGCCTTTTTTCCGGTTTTCAGACGGCATTTTTTGCTTGACGTTTA ACTGTAAATCTTCGCGCCTTTTTTGACGAACTCGACCGCTTTTTCCTCCATGCCCTGCCG TTGGGCTTTTTGCTTGTCGGCGTAGTCGCGCACTTCCTGCGTGATTTTCATCGAGCAGAA GTCGTGGAAGCTCTCGGCACGTTCAGGGTCGAGGCTTAAGCGAAATTGGTCGCGCCAGCG GAACTCGAAACGCGCTTTGCTCAGGGCGTTGTCACGTAATTGTGCGCCCGGCCAGCCTTT GGCGAGATCGGCGGGGGGGGGGGGGGGTTTGTAGGTGATGATGCCGGTGCGCACGTCTTC TTTGTCGGGCAGCCCCAAATGCTCTTTCGGGGTAACGTAACAAAGCATCGCCGTGCCGTA CCAGCCGATATTGGCCGCGCCTATGCCCGAGGTGATGTGGTCGTAGCCGGGTGCGATGTC GGTAACGAGCGGGCCGAGCGTGTAAAAAGGTGCTTCAAAGCAGTGTTGCAGCTCTTCGGT CATGTTTTCTTTGACGCGTTGCAGCGGCACATGGCCGGGGCCTTCGATCATGACTTGTAC GTCATGTTTCCACGCTTTATCGGTCAATTCGCCCAAGGTGTGCAGTTCGGCGAATTGGGA TTCGTCGTTGGCATCGGCAATGCAGCCGGGGCGCAGGCCGTCGCCGAGGCTGAACGATAC GTCATACGCTTTCATAATTTCGCAGATTTCGTCGAAATGCGTGTAGAGGAAATTTTCCCG ATGATGTGCCAAACACCATTTCGCCATAATCGAACCGCCGCGCGAGACGATGCCGGTGAG GCGGTTGGCGGTCATCGGCACATAACGCAGCAACACGCCCGCGTGTATGGTGAAATAGTC CACGCCTTGCTCCGCCTGTTCGATGAGGGTGTCGCGGAACAAATCCCAAGTCAAATCTTC GGCGATGCCGCCGGTTTTTTCCAACGCTTGGTAAATCGGCACGGTGCCGATGGGGACGGG CGCGTTGCGGATAATCCATTCGCGCGTTTCATGGATGTGCGCGCCGGTGGACAAATCCAT AATCGTGTCCGCGCCCCAACGCAGCGACCACACCATTTTTTCGACTTCTTCGGTCAGGCT GGAGGTGACGGCGGAGTTGCCCAAGTTGCCGTTGATTTTGACACGAAAGTTGCGGCCGAT AATCATCGGTTCGAGTTCGGGGTGGTTGATGTTGGCGGGAATAATCGCGCGTCCGGCGGC GATTTCTTGGCGCACGAATTCGGGCGTGATTTGGTCGGGATGGTCGGGATGTTCGCACC GAAACTTTGCCCCGCGTGCTGTTCCAAGAGTTTGGCGTATTCCGGTTTTTGGGACAATTC GTCTAATTTTAAACGTTCGCGTATGGCGACAAACTCCATTTCGGGCGTGATAATGCCTTG GCGCGCGTAGTGAAGCTGGGTTACGTTGCTGCCGCTTTTCGCGCGGCGGCGGGGGGGTGAT TTGGTTGAAACGCAGATGGGCGGTTTTCGGATCGTGTGCGCGTTCGATGCCGTATTCGCT GGAGAGCTTGGGCAGGATTTCGGTATCGCCGCGTTCGTCCAGCCACGCGGTGCGGATGTG CGGCAGACCTTGTTTCAGGTCGATATGCGCCGCCGGGTCGCCGTACACGCCGCTGGTGTC GTAGACGGGAATCGGCGGATTGGCTTCCGTACCTTGCGCCGTGTAGGTGTCGTCCTGACG GATTTCGCGCAAAGGCACGCGGATGTCGTCGCGGCTGCCTTGCAGATACACGCGTTCCGA GTTCGGATATTTAAAGCAGATGCCGATGTCTTCGCTCAAGTCGGCAAGCTCGCGCGCTTC GTTGCCGGAAGTTTTGGCGGTTTTTTTTGGCGTAGTCATAAAAAAATGCTCCTGTTTTCT CGTTTAGAATTAAAGAAACAGGAGCGTTTTGCGTTTTCAGACGGCATTTGAAAACCAATG CCGTCTGAAAAGCAGAATCCGTGAAAACTCCCCACGCAGGTATTATCCCGATCGGGTGTA AAGGGTATTTCTCAGCCGCCTAAACATCAGGCAGCACCCCTGTTTCAATGTTAACCAAAA TTAAATCACGAACATGAACTTTTGTAAAGAAAATAATATTTCAAATCAGGCATAAACCGC CGGACGGCAAAATTTTATGATTTTTCGCGGAAGTAATGTTTGACAACATAAAAAATCTGC CGTATAGTTTCATCTTCTGACGCGGGATGGAGCAGCATGGTAGCTCGTCGGGCTCATAAC CCGAAGGTCGTAGGTTCGAATCCTGCTCCCGCAACCAAATATCAAACCCCTCGGTTCAAT CCGGATTTTCCTTCCGGCCGCAATATCGGAACGGCAGACCGCCGTCTGTTTGCGGTTGCA AATTCAGGCAGTTTGGCTACAATCTTCCGCATTGTCTTCAAGAAAGCCAACCATGCCGAC CGTCCGTTTTACCGAATCCGTCAGCAAACAAGACCTTGATGCTCTGTTCGAGTGGGCAAA AGCAAGTTACGGTGCAGAAAGTTGCTGGAAAACGCTGTATCTGAACGGTCTGCCTTTGGG GTCTTCAGACGGCATTTTTCTGAATGCGGACGCTGGCCTGATATGGGCGGACGCTTACA GCACCTCGCCCTCGGTTGGCACTGTGCGGGGCTGTTGGACGGCTGGCGCAACGAGTGTTT CGACCTGACCGACGGCGGCGCAACCCCTTGTTCACGCTCGAACGCGCCGCTTTCCGTCC TTTCGGACTGCTCAGCCGCCGTCCATCTCAACGGTCTGACCGAATCGGACGGCCGATG GCATTTCTGGATAGGCAGGCGCAGTCCGCACAAAGCAGTCGATCCCAACAAACTCGACAA TACTGCCGCCGGCGTGTTTCCGGCGGCGAAATGCCGTCTGAAGCCGTGTGTCGCGAAAG CAGCGAAGAAGCCGGTTTGGATAAAACGCTGCTTCCGCTCATCCGCCCGGTATCGCAGCT CGTCCTGCCCGAAACCTTCCTGCCTGAAAATCAGGATGGCGAAGTGGCGGGTTTTGAGAA **AATGGACATCGGCGGTCTGTTGGATGCCATGTTGTCGGGAAACATGATGCACGACGCGCA** CGAGTGGCTGGACGGCATACGTTTATAGGATGCGCCATGCTTGAACTGAACGGACTCTGC AAACGCTTCGGCAATAAAACCGTCGCCGACAACATCTGCCTGACTGTCGGGCGCGGCAAA ATACTCGCCGTTTTGGGGCGGTCGGGCTGCGGAAAATCCACCCTGCTGAATATAATTGCG GGGATTGTCCGGCCGGACGGCGGGGAAATATGGCTGAACGGAGAAAACATTACCCGTATG CCGCCCGAAAAACGCCGTATCTCGCTGATGTTTCAAGATTACGCGCTGTTTCCCCATATG AGTGCGCTGGAAAATGCGGCATTCGGTTTGAAAATGCCAAAAAATGCCGAAAGCCGAAGCC GAACGCCTCGCCATGGCGGCACTTGCCGAAGTCGGACTGGAAAACGAGGCGCACCGCAAG CGCCCTTCCCTGCTGCTGGACGAATCGTTTTCCAGTTTGGACACGCATTTGCGCGGC ACGCTGCGCCGTATGACTGCCGAACGTATCCGAAACGGCGGCATCCCTGCCGTTTTGGTA ACGCATTCGCCCGAAGAAGCCTGTACGACGGCAGACGAAATCGCCGTGATGCATAAAGGG AGGATTCTACAATACGGTACGCCCGAAACATTGGTCAAAACACCATCCTGCGTGCAGGTC GCCCGACTGATGGGTTTGCCCAATACCGACGATAACCGCCATATTCCGCAACATGCGGTG CGTTTCGACCAAGACGGCATGGAGTGCCGCGTATTATCCCGTACCTGTTTGCCCGAATCG TTCAGCCTGTCCGTCCTCCATCCGGAACACGGCATCCTGTGGCTGAACCTCGATATGCGG CACGCCGGGGCGTATCGGGCAAGGATACGGTACGCATCCATATCGAAGAACGGGAAATC

GTCCGCTTCCGCTGATGCTTCTTAAAAACAAAATGCCGTCTGAAAACCTTTCAGACGGCA TTTTTTTACCAAAGCAGCCATATTTTTTTATCAGGGCTGCAAAATTTTATCCGAAACAAC AACAATCTTTTCATCGTCATTCCCGCGCAGGCGGGAATCTAGAACGTAAAATCTAAAGAA ACCGTTTTCCCGATAAGTTTCCGTGCCGACAGACCTAGATTCCCGCCTGCGCGGGAATG ACGGATTTTAGGTTTCTGATTTTGGTTTTCTGTTTTTGAGGGAATGACGAGACTTGAGAT GGCGGCATTTAT CGGGAGCAACTGAAACCACCCTGCCGTCATTCCCGCAAAAGCGGGAAT CTAGAACCCAACACGGCAAAAATTTATCCGAAGCGACAACAATCTTTTCATCGTCATTCC CGCGCAGGCGGGAATCCAGAACGTAAAATCTAAAGAAACCGTTTTTCCCGACAAGTTTCT GTGCCGACAGACCTAGATTCCCGCCTGCGCGGGAATGACGGGATTTTAGGTTTCTGATTT TGGTTTTCTGTTTTTGAGGGAATGACGAGACTTGAGATGGCGGCATTTATCGGGAGCAAC TGAAACCACCCTGCCGTCATTCCCGCAAAAGCGGGAATCTAGAACCCAACGCGGCAAAAA TTTATCCGAAGCGACAACAATCTGAGACCTTTGCAAAATTCCTTTCCCTCACAACAGCCG AAACCCAAACACAGGTTTTCGTCTATTTTCGCCCCAAATACCTCCTAATTCTACCCAAAT ACCCCTTAATCCTCCCGGATACCCGATAATCAGGCATCCGGTCGCCTTTTAGGCGGCA **GCGGGCGCACTTAGCCTGTTGGCGGCTTTCAACAGGTTCAAACACATCGCCTTCAGATGG** CTTTGCGCACTCACTTTAATCAGTCCGAAATAGGCTGCCCGGGCGTAGCGGAATTTACGG TGCAGCGTACCGAAGCTCTGTTCGACCACATAACGGGTCTTCGACAAATATCGGTTGCGT TTGGTTTGCGCCTCCGTCAGCGGACGGTTGCGGCAGGCTTTGCGCATAATATAGTGGATT AAATTTAAACCAGTACGGCGTTGCCTCGCCTTGCCGTACTATCTGTACTGTCTGCGGCTT CGTCGCCTTGTCCTGATTTAAATTTAATCTACTATAATGTGCAGTTTCTCGATATAGCCT TCCGCATCGGTGCGGGTATGTTGTTGTAACCGAGTTTGTAGAGGCCGTTTTTCTTGATC CAACGCGCATCGCTGTCCTTACTCCGTGTGGTTTGGCCGCTGACTTGTCCTTCTTCATCG ACTTCTATGGCCTGACGCTGTTTGCCGTCGGCGGTCTGAATAATGGTGGCGTCAATGACG GCGGCGGATGCTTTCTCTACTTTTAAACCTTTTTCGGTCAGTTGGCGGTTGATCAGTTTG AGCAATTCGGACAGGGTGTCGTCTTGCGCCAGCCAGTTGCGGTAGCGGCATAAGGTGCTG TAATCGGGGATGCTCAGTTCGTCGAAACGGCAAAACAGGTTGAAGTCGATGCGGGTAATG AGGCTGTGTTCGAGTTCGGGATCGGAGGGCTGTGCCATTGTCCGAGCAGGACGGCTTTG AACATGGACAGCAGCGGATAGGCGGGACGGCCGCGGTGGTCTCGAAGGTAACGGGTTTTT GGGAAGCGGTTGATGTTTTGGCAATCATGGCTTGTGCGGTTTGCTGGAAGAAGGTGCTC ATGGAAAATCTCCTAAATGTCTTGGTGGGAATTTAGGGGATTTTGCAAAGTTTTCAACAA GTTTCCGCACCGACAAACCTAGATTCCCGCCTGCGCGGGAATGACGGGATTTTAGGTTTC TGATTTCGGTTTTCTGTTTTAAGGGAATGACGAGACTTGAGATGGCGGCATTTATCGGGA GCAACAGAAACCACTCTGCCGTCATTCCCGCGAAAGCGGGAATCTAGAACCCAACGCGAC AAAAATTTATCCGAAGCGACAACAATCTTTTCATCGTCATTCCCGCGCAGGCGGGAATCT AGAACGTAAAATCTAAAGAAACCGTTTTTCCCGACAAGTTTCTGTGCCGACAGACCTAGA TTCCCGCCTGCGGGGAATGACGGGATTTTAGGTTTCTGATTTCGGTTTTCTGTTTTAAG GGAATGACGAGACTTGAGATGGCGGCATTTATCGAGAGCAACTGAAACCACTCTGCCGTC ATTCCCGCGAAAGCGGGAATCTAGAACCCAACACGGCAAAAATTTATCCGAAGCGACAAC AATCTTTTCATCGTCATTCCCGCGCAGGCGGGAATCTAGAACGTAAAATCTAAAGAAACC GTTTTTCCCGATAAGTTTCCGTGCCGACAAACCTAGATTCCCGCCTGCGCGGGAATGACG GATTTTAGGTTTCTGATTTTGGTTTTCTGTTTTTGAGGGAATGGCCGATTTTGGGTTTCT GTTTCGGTTTTCTATTTTGCAAGAATGGCAAAATTTCAGATTGCGGGCATTGTTAAGTAT TTCTATTTTTACCTGCCGTATTTATTTCCGCCCCTTGAAGTCGGCTTCTTCCTCGACAG ACACGCTGTTCATCTGTTTGATCAGCTTTTCCGACTTCTCTTCGTCTTCGCAGCGGATGA CTTTCACAATATCACTTTCGAGCTGTCCGACATTGCTGTGCAGAATGATGTTTTTGACGG GCAGGATGTTGTTGGGGTTCATGGAAAAACGGCGCAGCCCCATACCCAATAAAACGCGGG TARACGCGGTATCGCCGCCATCTCGCCGCATACGGATACGTCTTTGTCCATGCGGTTGG CGGTACGGATGACGTGTTGCAGCATTTTCAGCACGGCGGGATGGCCGGGCTGGTAGAGGT GGCTGACGCTGTCGTCGCCGCGATCGACGGACAAGATGTATTGAATCAGGTCGTTGGTAC CGACGGAGATGAAATCGACCAGTTTCAAAATACTGCCGACGGTCAGCGCGCAGACGGAA TTTCAATCATACAGCCGATGCCGACTTTACCGAAGGCATCGCCGCGTTCGGCAAGCTGGC GTTGCGCGGTGTCGAGGTGGATGAGGCACTGGCGCACTTCGGATACGGAGGTAATCATCG GCCACATCATCCGCACGGGGCCGTGTACCGCCGCACGGAGGATGGCGCGCATCTGGGTGC GGAACATGACCGGTTCGGCAAGGCACAGGCGGATGCCGGTCATGCCCAGCGCGGGGTTGA GGCTGCCGTTGGGCGTGCTTTTTCCCGAACCAGCGCGGGTTTTTGTCCACACCTAAAT CGACTGTCCGTATCGTTACGCTTTTGCCTTTCATTTTTTTGACAATCGCGCTGTACACTT CGTACTGCTCGTCTTCAGACGGCATCGTATCGCGGTTCAGGTAAAGAAACTCGCTGCGGA ACAGCCCGATGCCGTCTGCGCCGAGGTTGTGCAGCGGTTTCACGTCTTCGGCGGATTCTA TGTTCAAATCGCGTTTGTGGCTGCGGTATTCGCGGGCACGGCGGCGGTATTCGTTCAACA CCGACTCATCCGGCGCGATAATCAACACGCCGTTGATACCGTCCACAATGACCGTTTCGC TGCCCAAAATCGCCGTATGCCCGGTGGGGCCGCCGCATCGGTAACGAAGGCGGCAATGC GCTGCTCTTTAAACAAAACCGTGTCGGCGGGCGAAAGGTCGTTTGCAATCAGAACGGTTT CGTCAAACAGGTTGTCGGCAACTTCCAACTCGTTGCCCTGCCCGATCAGGTTGTTGTGGA TGCGGCGGACGACTTGCAGCATATCCTGCTTGCGTTCGCGCAAATAGGCATCGTCCATAT TGTCGAATTGGGCGGCGAGTTTGTCGCTCTGCTTCAATGCCCACTCGGCGTTGATTT TTTGTTCCCTTAAAATATCGACGGGTTCGCGCGACAAGGTAACATCGGTCAAGAGCATCA GGTGTAGCGAGATGAACGCGCCCAACTCGGTCGGGGCGTTTTCGGGAATCGCGCTGCGGA GCTGTTCCAACTCTTTGCGCGTGGCTTTGACGGCGCATCGAAACGTTCGGCTTCGGCAT CGGTGTCCGCCTCCGCAACATCATACTGCGGCACTTCCTCCGTACCGCGCGCAATCAGGT GGGCGCAACCGACGGCAATGCCTTTGCCCGCCGCCACGCCGTGCAGCACGATACTCATTA TTCGCCCTCGCCGAAGTAGCCGTTGATTAAGTCGGTCAGGGCGCGCATCGCTTCCGCCTC GTCCGCGCCGTCCGTCTCCAGTTCGATGACCGTACCCTTGGCGGCGGCGAGCATCATCAG

CCCCATAATGCTTTTGCCGTTGACGCGGCTGTCGTTTTTCGTAACCCAGACTTCGCTTTT GAATTGGGACGCGGTTTGGGTGAACTTGTTGGACGCGCGGGCGTGGAGTCCGAGTTTGTT GATGATTTCGATGGATTGTTTGAGCATTTCGATTCCCGTGTTATGTATATCGGCAGCAGA CGCCGTTTAAAATGTTTTCCTGCCCTGCCGCTTCTTCAGACGGCATCGCCGCTGCGCCGG CACACCAAATCTTCGGGCGCGGACGTGATGGCGAAAATGCCTTTTACCGCCGCCTCCCTG ACGCATTCGGTAAAGGCGGCAAGGTCTTCCGCCGCCGCGAATATTGGACGGCCTTAACC ATCATCGGCGCGTTCAGCCCGGTCAAAATCGCCGATTTGTTTTCGCGCACGAGGCGGCGG GCGGCATTGCAGGGGGTCGCACCGAAAATATCGGTCATAATCAGCACGCCGTCGTTGTCG GGAAATTCCTGAAGCGCGGCAATGGCGTTGTTGTTGATGTCGTCTTGGTCTTCCGTCGGC TGCACGCCGAGTATGCGGACGTTTTCAGGCAGTCCGCCCGGAAAAAAATGATGCGCCAGC TTGCGGTAGGCTTCGCCTATGGTTTCGTGTGTGATGATTAAAAGCCCTATCATATTATGC GTCCTGTTCCTCATTATCCTGCCGGCGTATGGGCGCGATGCCGTCTGAACAGCCTTCAGA CGGCATCGCCCCTTATTTTCCGCCCAATGCGTAAATCTCGCCCAGATTGCGCCAGCAGC CCGCCGCATCCATGCCGTAACCGAAAACATAACGGTTCGGCACATCCAGTCCGACATAAT TTGCCGCACCCATTTCCAAAAGTTTGGCTTGAATGGCGGACATCGTATGCCCTTCGTCCA **AAATATCGTCCAGCACGACGACGTGCCTGCCCCGGATTTGTTCCGCATCGGGCATACGCT** TCCAGTTGAACGCGCCGCCCTCCAGCTTGTCGCCGTAACGGGAAACGTGAACATAATCAA AATCTAAGGGAAAACGCAACAGCGGCAGCAACTGCCCCGTAAACACCACCGCGCCCCCA TCACGGGCAGCAGCAGCAGATATTTGCCGCCCAAATCACGCGTAATCTCGTCCGCCACTT TTTGCAGTGCGGCACGGCATTGGCCTTGGTCGAACAAAGATCGGCGTTTTCAAGCATCG CACGCGCACAAATGTGGCAAATTTCGGCGTGCCTTTCCGCGTAAAGCCACGGTAACGGTA GGTAATCAGTGTGCCGATTTTGGGCGGGTTGTCGCGGTCTTTATCTTTGAAACCGCTGCC GATGCGGAATTCGCCGTGCCGGTTTTTGCAGCCGACCGCCCCAGCCGTCCGGCGTTTCG CCCTTTGCCCTCATAGTGCCGCGTTACCGTGCATTCGTCGTATTGGCTTTTCAGCTT CAATAATTGGCTGCTCCTGCCGCCGCTGTAACGGGATTCGGGCTGACGCAGCATCACGCC TTCGCCGCCCTGCGCTTCGATTTGTTTTAAAAAGTCCATCGCGTGCTGCCGGTCGCGCAC TTTGATTT GCGGGATGATGGTAATCGGCGCGTTCGGATGCGTTTTCAGCCACTGCGTTGC GACTGCCAAACGTTGGTAGAGGTTGCCCTGCGCCTTGGGTACATCGAAAACGTGCAGGCG GATGCCGCGCCAGTCTGAAGAAACAGAACGCACGGTAGCGGAAATCTGCTCGAACTGACC ACGTCCGCTATACAATTCGCCGTCCAAAGGATAAGGCGGAAACTGAGCGGTAAAACCTTT GGGCGGAGCAAACGCGTAGCCCTGACGGCTCATCAGGTGCTTTCCGTCCCAATAGGCGCG CACGCCGTCGAGTTTCTCGCTCATCGCCCAGCCGGCAATATCCTGCCCTTTGTATTCCTG CGCCAGCATCAAATCCGCCGCGCCTGCTGATGCAGGGATGAAAACCGCCGTAAAAATCGG TATGATGCCGCCGATTGTCTTCTTAATCATCTGATTCCCCCAATATCAAAACGGGCGGCA AACCGCCATAAAACAAACGGCAAACCCGATGCCGTCTGAAAAACCGTTTAGGAACACGCC GATGACCCTACGTTACGAAATCTTCCCCGTTACCCCCTTCCGCCAAAACTGCACCCTGAT TTGGGACGACGAAAGCGGCGAAGCCGTCCTGACCGATGTCGGCGGCGACGTGCCGTTCCT GCTGCAAGCGTTGGCAAACCGCAAACTTACGCTCACGGCAATCTGGCTGACGCACGGCCA TCTCGATCACGCGGGCGGCGTGGTCGAAATGTTGAAAACGCATAAAGTCCCTGTCCTCGG GCCGCATCCGGACGATGAATTCCTGCTCCAATCGCTGCCGCAAACCACCGCGCAATACGG ATTTCCCGTCTCGCCCGCCTTTGCGCCGAACCGTTGGCTCGAAGAAGGCGAAACGCTCAC GGTCGGACGCTATGCCTTTCAAGTGCTGCATATTCCGGGCCATACGCCGGGACATATCGT CTTTTATTGTGCCGAGGCGGAATTGCTGATTGCGGGCGACGTGCTGTTTTACGAAACCAT AGGCAGAACCGATTTTCCGCGCGGCAACCACGCCGACTTAATCAATAATATCCGCAACAA ATTATTCACCCTTCCCGAAACCGTGCAAGTTGTCGCCGGACACGGGCGTATGACTTCCAT CGGACACGAAAAGCGGCACAATCCGTTTTTCTAACCGCCTTCCCTACGGTCTTCAGACGG CATCATCTGCACTGATGCCGTCTGAAACACAAAAGGCTCAGACAACCGCCGCCTTGCCGG ACAGTTACGCCGCGCTTTCGGCATTCCCGCCCCGGCTGAAACAATATTTTTCCGCACAAG TCAGACTGCTTCATCTTCTGCCGCGTATTCCAAAGATTCCGACAACGCCGTTGTTTCATT TTTCTCGGCGCGTCCGACCAGATTCCCGCGCCCTTCGGCAAGTTGCTTGAATGCCGTCTG AAAACTGCTTTGCGCCTGATCGATGCCTTTGCCGACGCTTTCGAGCGTCTGTACGAAGCC GACAAACTTGTCGTACAGCTTGCCGCCTTCGTCCGCAATCGCCAGTGCGTTCTGATTTTG CTGTTCGTTGCGCCAAATATTCGCCACCGTCCTCAAAGTCGCCAGCAGCGTACTGGGGCC GACCAGCATAATCCGTTTGTCGAAACACTCTTGGAACAAGCCCGCGTCATTCTGCAACGC CAACAGGTAGGCCGGTTCGACAGGGATAAACATAAAGACGAAATCCAATGTGTTCACACC TTCCAAATCGGTGTAATCCTTCAGCGACAAGCCTTTCATGTGTGCACGGATGCTGGCAAC GTGTGCCGCCAGTTCGCGTGCCGCCGTATCCGCATCCGCCGCCTGCGTGTAGCGCACATA AGCTGTCAGCGAGACCTTGGAATCAATCACAATCTGCTTGTTGTCGGGCAGGTTGACCAA AACCACATATTCCCGCCCTTTCTGAAGGCCGGAATTTTCCAAAACCGTTTCCAGAATCAT CTCGCCCCAATTGCCCTGAACCTTATTCTGCGTACCGGTCAGCGCGTTGGTCAGGGCCTT TGCCTCGCTGTGCAGCTGCGCGTTCAACCCCTGAAGCCGTTTCAATTCGTTTTCCAACGT CAGCCGCTCGCGCGATTCTTTATCATAGGTTTGCTTGACCAACTCGCCGAAACCGTGGAT GCGTTCGTTTAGCGGGTTCAAAACCTGATGGAGCTGCTCGCGGTTCTGCTCGGTAAAACG GCGGCTTTTTTCTTCCAAAATCGTGTTGGCAAGATTTTGAAACTGATCGCTCAAACTTTT GCGCGCCTCGCCCAGCAAGGACAGCTTCTCTTCAGAAGCAAGGCGTTCCTGTTCGATTTG CGTTGCCAAACGTTCGTTTTCAACCGCCAAACCCTGTGCCTTTTCCTGCAACTCGGTATG CGACTGCCTCAACCGCTCCGCCTCTTTTTCCTGCAAATGGGCAATCTGTTTTTC GGCTGCGGCAAAACGGTTGCCGACATCGGAAAGGTCGTTTTGCACGTCGCGGACAGTTTG GCGGCTTTCTTCCAAATCGGTTTCGATTCTTTGGCGGATTTGGCGTTCCAAGGCATATTG

GTCGGCAAACGC CTTCCGTTCCTGTCCGAGCTGCGTTGCCAAACGTTCGTTTTCAACCGC CAAACCCTGTGC CTTTTCCTGCAACTCGATATACGACTGCTTCAGCCGCGCCGACTCCGC CTCTTTTTCCTGCAAATGGGCAATCTGCTTTTCGGCTGCGGAAAAACGGTTGCCCAAAGC ATAATTTTCGTC CTGCAAATGCCGGTATTTCCCGTCCAACACCGCCAATTCCGACACGGT TTTGCCGTGTGC CTGTTCGACAAAATCACATCTTGCCGCCTTTTCCGCCAGGTGCGCGTT CAAACCGGCAAA CTCGCCCTGAAACCGGCCCTTCATCAGCAACCATGTAAACAACACGCC CGACACCAACGC CGCCAAAGGCAGCAAAACAGTCATCAGTTCCATCAATTATCCTAATAT ATAGCTCCAAAA.AATATAGCGGATTGGCTTTAAACCTGTTCGACATCGCCTTACCATGCT GCTTGCGGTTTC AGACCTTTTCCTAATTCAATATCAATCTGCCACAAACCCTGATTAAGT TCCCGATGTCTGACATTTTTAGAATGATGCCGTCTGAAATGTTGCAGCTATGTTCAGACG GCATACGGATTC AGGCTTTTCAAACGGCAGGCAAAATGAAAAAAGGGCAAACCCTAAAGG TAAGCCAAAGGCAGCATAACCGCAAATAGGAAAATCATCACGACATAGCCTATACGTTTG CGTTGCAGTTGTGCAGGTTCGCCCATGTACACAAGGTAATTGACCAAATCGCGTACATAT GATTCCCAATACAGCTTAGGCTTCATCTCGCCGTGTTCGTCTTTTACCATAACCGGCTGA CCTTTGGCATCCAACTCAACGGCTTGAACACCTTGTTGCTCCCACAACGGGTGGGGCATA CCGACTTTATCGAATACAGTATTGTTCCAGCCGCTCGGACGGGTCGGATCTTTATAGAAG CCGCGCATATAGGCGTAAAGGTAGTCTGCACCTTTGGAACGCGCAATCAACGTCAAATCG GGCGGAGCAGCACCAAACCATTTTGCCGCATCTTTCGGGTTCATCGCCGAATGCATGACA ATGTCTTTCAGA CGGTTGAAGCGCATACCGCTTGCAGAGTGGCAAGACAACAGTAGTTT GTAAAGATTTGC GCACCGTGCTGCAGGCTGACTTGGTCACGCAGGTCGATATCGACTTTT TCGTAGTGTCCGCCGCCGCTGGCGACGCTCACTCATAGGCACTGCCAGCAATAAGGCA GCAAACCAGTTT TTCAGAGTTTGTTTCATTTTCGCTGCCCTCATCAGATATTGGTTGCAA ACAAGTAAGCAC CAACAACGGTAATACCGACGTAAACAAAGAACATAATTTTTTGTTTAG TAGTGCTCATGGTTACGCGTTCAGGAACTGGTTTGTTGGTATCCAGTTTGGTATAGAACG GCATACCCAGGA AGAATGCAAAGTAGACGAAAGACAGGATACGTGCAACCAAAGTACGCG TATCAGTTGCTA CCATTGCACCCAAAATACCCAAACCGATGAAGGCAATGATGAACAGAA CCAATGCGGTTTTGAAGATTGGGCCGCGATAGCGGACAGATTTAACCTCGCCTTTATCCA ACCAAGGCAGCAAGGCGATCAGTACAACTGCTGCACCCATACCGATTACACCCCATACCT GAGTACCGGCAA.AGGAAGGAATCGCACGCAGAATTGCGTAGAACGGAGTGAAGTACCATA CCGGCGCAATGTGCGGAGGTGTTTTCAGCGCATTCGCTGCATCGAAGTTTGGCGCTTCCA AGAAGTAGCCGCCGCCTTCAGGTGCAAAGAACATCACGGCACAGAAGACAATCAAGAATA TCGTTACTGCCAATATATCATGCACAACATAATACGGAAAAAAAGGTATGCCATCTAGAG **GGACACCGTTTTCATCTTTCAGCTTTTTGATTTCTACACCGTCAGGGTTGTTGGAACCCA** CTTCATGCAAGGCAATGATATGAGCCACAACCAAGCCGAGCAATACCAAAGGTACAGCGA TAACGTGCAGGGCGAAGAATCGGTTCAAAGTAACATCGGAAACGTTGAAGTCACCGCGGA TCCAAGTGGACAAATCAGGACCGATAACAGGGATGGCGGAGAACAGGTTAATAATTACCT GCGCACCCCAGAAGGACATTTGACCCCAAGGCAGCAGGTAGCCCATAAAGGCTTCTGCCA TCAATGCCAAGAAAATCAGGGAACCGAAAATCCACACCAATTCGCGCGGTTTTTTGTACG AACCGTAAATCAGACCACGGAACATGTGCAGATAAACGACGATGAAGAAGAAGATGCGC CGGTAGAGTGCATATAGCGGATAATCCAGCCGCCGGACACGTCGCGCATGATGTACTCTA CTGCGGTAAAGGCAGCAGGCAGATGGTAGGCGTTAAGGTTGCCGTCCGGTTTGTAGTTCA TGGTCAGGAAAATACCGCTGACGATTTGAATCACCAGCACCAGCATAGACAATGAGCCGA TTTTACTTAATGGAAAACGGGCATCTACCCAGCCTAACAATGCTTTTGCTATTGG TTTGGTTTGCCA TAATTATCGTTCCTTATTCTTAGTCTTCGCCCACCAAGATAGTTGTGT CGCTCAAGTATTTATATGGCGGGACAACCAGGTTGGTCGGGGCAGGAACACCTTTATATA CGCGGCCGGCCAAGTCGAATTTCGAACCGTGGCAGGGGCAGAAGAAGCCGCCTTTCCAGT CTGCACCCAAATCGGCGGGGCAATGTCGGGACGGAAGGTGGGCGAGCAGCCCAAATGGG TGCAGATACCGATGGCGACAAGGATGTTCGGCTTAATCGAACGGGTCTCGTTTTTAGCAT ACTCCGGCTGCTGTTCCGCATCGGAATTGGGATCGGTAAGTTCGCCGTTCAGGCCTTTCA GGTCTTTAAGCTGCTGATCTGTACGGTTGAGCACCCAAATCGGTTTGCCTTGCCACTCGG CGGTCAGCAGCTGACCCGCTTCGATTTTACTGACATCCACCTCGACGGCAGCACCGGCGG CCTTGGCTTTTTCCGAAGGGAAAAAACTGGCCACAAACGGCGTTGCCACACCCAATGCTG **CTTGATTATCCATTATTCAGTCGTCCTAATATTTTGGGAATACCGAGCCATTAAACGTTG** CAATTTTACCCAGTTTGCAGTGATACTCAAAGCATTATTTAAAATAAGGTAAAGTTTTAT GATATTTCTCAAGACTCAAGCCGGATTGTTTTCGTCAAAATGGCACACTTCCAACCCGAA AACCTCTGCCGCCGATTCTGCCAGCGCGCGTACGCCGTAACGTTCCGTCGCGTGATGCCC TGCCGAAATGAAAGCCGTACCCGTTTCATTGGCAAGGTGGTATTGGGCTTCAGAGATTTC CCCCGTCAAATACAGATCGACACCTTCGTCTATTGCCGTCTGAAAAAACCCCTGCGCCCC GCCGCTGCACCATGCAACCCGTCGGATTTCGCGTTCGGGATTGCCGATAACGACAGGCTT **ACGTTGCAAAACTGTTTCAATATGCGCCGCCAATGCGCCGAGTGTCTTGGCTTGTTTCAG** GCTGCCCGAGTTGAGCAGGTTTTGTTCGCCGAACCGTTTTTCTGTCGCAAAACCCAATCT GTCGGCGAGTTGGGCATTGTTGCCCAGTGTGGGATGTGCATCCAGGGGCAGATGGTAGCC TGCCATATTGATGTCGTGCCGTAACAGTGCGGCAATCCGTTCTTTTTTCCAACCAGTAAC GGTCGGCAACTCGTTTTTCCAGAACATACCGTGATGTACCAAAAGCAAATCTGCCTTCTG CTCCACAGCAAAATCAATCGCTGCCCTGCTTGCCGTTACCGACGTAACGATTTTCCCGAT ATATTCCCTCCCTTCAACCTGCAAACCGTTAGGGGCGTAATCTTTAAACAACGCTGTCTG CAATGTTTCATTACACCAAGTCAGAAAATCCCTGCACAATACCATCTTTTTTCCTAATCG CTTTAAACAAGCGGGCATTCTAATCGCAAAATGTCCGGAATTCACATTTTTCCGATTTGC ACCCGCATATGAATTATTTTAATATGCGCCGGTTCAATATGCCGTCTGAAGCCCCATGGA TTCCATTATCGAATTGCGCCACCTCAAAACCCTGCTGGCACTTGAAGAAACCGGCAGCGT CTCCCTTGCCGCCAAACGGGTTTTCCTTACCCAATCCGCCCTTTCCCACCAGATCCGTAT GCTCGAAAACCACTACGGCACGCCGCTGTTCGAACGCAAATCCACGCCCTTGCGCTTTAC CCCGGTGGGCGAAAGGCTGCTGCGCCTCGCCCACGAACTTATACCTCAAGTTGCTGTTGC AGAATGGGATTTGGCGCGAATCACGGAAGGAGGGGGGGGAGAGCTGCGGATTGCCGTCGA ATGCCATACCTGTTTCGACTGGCTGATGCCCGCCATGGGCGAATTCCGCCCGATGTGGCC CCAAGTCGAATTGGATATCGTATCGGGATTCCAAGCGGATCCCGTCGGACTGCTGCA ACCGCTGTTTGCCTACGAAATGGTCGGCATTTGCGCACCAGACCATCCGCTTGCCGCCAA AAACGTTTGGACGGCGGAAGACTTTATCGGGGAAACCCTGATTACTTATCCCGTTCCCGA CGAGATGCTGGATTTGCCCAAAAAAATCCTGATTCCGAAAAAACATCAACCCGCCGCCGCCG ACACAGCGAGCTGACCATCGCCATTATCCAACTGGTTGCCAGCAGACGTGGCATTGCCGC CCTTCCCTATTGGACAGTCATGCCCTACCTTGAAAAAGGCTATGTCGTCCACCGCCAAAT TACTGCCGACGGACTGCAAAGCAAACTGTATGCCGCCATCCGTACCGAAGATACGGACAA GAGCTATCTGAACAATTTTTGCCAAATCATACGCGAACGCGGTTTTGCAGATTTGCCCGG ACTGAGCGAACTGGAACCGGTCTGACCCCTTATTCAACCATACCCGGCAGTTTTTCTATT TTTTCATGTATAGTGGATTAACAAAACCAGTACGGCGTTGCCTCGCCTTGCCATACTAT TTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATACTGTTTT TGATTTTTGCCCAATCTGTAATCTTTAGATTGCCAATGGGAAACCGTCTACTACAAATAA AAAACCCTGCGATAAGCAGGGTTTTTTGAATTTCCAACATTAACGTTTGGAGAATTGTTT TGCACGGCGTGCTTTGCGCAGACCCGGTTTTTTACGTTCGACTTCGCGGGCATCGCGGGT AACAAAACCAGCTTGAGACAAGGCGGGTTTCAACGCGGCATCGAAGTCGATCAGGGCACG GGTAATGCCGTGGCGGATTGCGCCGGACTGGCCGGTTTCGCCGCCGCCAACAACATTGAC TTTGATGTCGAAAGATTCGGCGTTTTCAGTCAGAACCAAGGGTTGGCGAACAACCATTCG GCTGGTTTCCCGTGCGAAGAATTCGTCAACGGGACGACCGTTTACGATGATTTGACCTGT ACCTTTAATCAGGAATACACGAGCCACTGAACTTTTGCGGCGGCCTGTGCCGTAGTAGTA TTTACCGTTCATGTCGCGTCCTTATTTCAGTTCCAAAACTTTGGGTTGTTGCGCAGCATG GGCGTGTTCCGCACCCGCATACACTTTCAGTTTTTTAATCATGGCGTAACCCAGAGGACC TTTGGGCAGCATACCTTTTACAGCTTGTTCCAAAGCGCGGCCCGGGAATTGCTCTTGCAT TTCGCGGAAGGTGCGTTCGTAGATACCGCCTGGGAAACCGGAATGGCGGAAGTATTTTTT ATCTTCGAATTTGGCACCGGTTACACGCAGTTTGTCCGCATTGATAACAATGATGTAATC GCCGGTATCGACGTGGGGGGTGTATTCAGGTTTGTGTTTGCCACGCAGACGGCTGGCGAC TTCGGCCGCAACGCGACCCAAGACTTTGTCTTGGGCATCGATGACGAACCATTCGCGCTT TTGTAAATTTTAAAGACAGGATTCGATTTGTCAATCGCATTACCGCGTTACGGAAGGAT AACCGCATCGTTGCGATGCGGTTTTGAATGGGAATCCCCGCGAGAGCCGTTTCGGCCGAA TCCGCTTGAACCTTGCTGACAAGGCGGCTGCCTCGGGTAGTTTCGGGTGCGTCCGCAAAA GGACGCTCGCGCCCACTACTGCTCCCGGCAACCTTAAGCGAACTTATTGGTTCAAAGGAA TATATGCCTTCGCGGACACCGCAGGGAAAAAGGGGTTATTCCTGCGCCAAGCGGGATAGT GCTTTTTGGCAGGCGTTGTCCATATCGGCTATTTTACGCGCAAAATCGCCGATTGCCAAA TCGCCGCCGTTCAGGGAGGTTTTCAACAGGTCGTGGACGACGTTGAGCGCGGCCATAATG ACGATTTTTTCGCTGTCCGCGACGCGTCCGCCTTCGCGGATGGCTTCGGCTTTGCCGTTG AGCATTCCGACTGCCTGCAACAGTGTGTCTTTTTCTTCTGCCGGCGTGTTGACGGTCAGC CGGGCGTGCATGACTTCGATGTGGACTTGTTCGATGTTCATCCTTTAATCCTTATTGCTG CGTTTCCTGCCATTGGGGGAGGCGCGCTGCCAGTGCGCTGATTTTTTCCCTGCTCTGTTC GAGCAGGCTGCGGTATCGTGTATTTTCTTCTGTCAGGCTGTCAATTTTGTTTTGCAGGTC TTCTTTGAGTTTGCCGACTTGGACGAGCAGGGCTTCGCTGAGTTCGTCGACGGCGGTTTC GTGTTCGAGTTTTTGCCGCTCGTGCGCCCGTTTGAGTTCGGCGACGGTTTCTTTGAGGCG GCGGTTTTCGCTGACGAGGGTTTCGAATTTTTGTACCAACGTATAAACGCTGCTTTCGAG TTTTTCGATATTTTGTTTCATAACCTTACCTGTCCGTATGCCGTCTGAAGGCTTCAGACG GCATCTGTCTGTTTATTCAAAACGCGCGCTGCGTTCCATCAGTCTTTCGACAACCTG TTGCGGGGTCATTTCTTTGCGGATGAGTTGCAGCAGAGTTTGGGTAATCGGCATGTCGAT TTGGTACTTACAGGCAGTATTGAAGACTTCTTCTATCGTGCTGACCCCTTCGGAAACGTG TCCGATTTCGACCAGCACCTGATGCAGTTCCTTGCCTTCTGCCAAACCCAAGCCGACGCG CATCATGGTTTTGGGCTGTGCGCCCATTGCGGAGGCAAGGCGGGTGATTTCAGCTAATCC GCGCGTAACCAGTGCGGCACGGGCGTTAAGCCCGTACTCTAGGCCGTCGGACAATCCGGT GGCAATCGCCATAACATTTTTTACCGCGCCGCCAACCGCCACGCCGATAACATCGGTACT GCCGTAAAGCCTCATGACGGTCGTGTTGAGCTGCGGTACGAGTTCTTCAATCCACTCTTG GTTTTCGGAGGCAAGGACGACGCCAGGGCAGTTGTTTGGCGAGTTCCTGTGCAAAACT CGGGCCGGAAAGTACGCCGATTTTCTTATTGTCGGGCAATACTTCTTTCAAGACTTGAAA GGTCAGCAGCCCGGTATCCTGCTCGAATCCTTTGCAGGCGGCGAGGACGGGGAGGTGTCC CGCGCCGTACTGTTTGAGCAGCTCTGCGCTGCTTCTCAATCCGGCAACGGAGGTTACGAT AAGGACAAGTCCGCTGTCTTTGAGCGCGTCTGCCAAATCCGCACACACTTCCAAGGTTTC GGGAAAGGAAAAGCCGGGCAGTCCGCGTTTGTTTTCACGCGCTTCCTGCATTTGACGGAC TTGGTCTGCGTTGCGCGTCCACAGGGATACGCGGTTGCCGTGTTGGGAAAAATGCAGGGC GAGCGCCGTACCCCACGAACCTGCGCCGATAACGGTAATTTTCATTGGTCGTCTTTCAAC ATATCACTGCCGTTCACTTTAAAACAATCGGTGTTTCTCTGCAAGTGCGGTCAGGGAAAT GCCGTCTGAAAGGCGTTCAGACGGCATTTTGCCCCGATGCGGCACTATCAGCCTGTATTG CGCAAACCTTGCGCCACGCCGTTGATGGTCAGGTGCACCATCAGAAGGGCGTGCGGATTG TCGGGTTCTTTACGCAGGCGTTTGAGCATGGCGACTTGCAAACCGTTGAGCGCGTTCAGG TAGGGAATCCTCAAAGCGAGCGAACGGGCGAGGCTGCGGTTGTCGCGCAAAAGCTCTTCG GTTTGCAGTAGGTCGAGCAGTGCTTTGCGGCTGCGGCGGTATTCTTCCTTAATCATCCCG AAGATGATTTTTGCCTTATCGGGCGATTCGCTCAAGCCGGCATAGTTTTCCGCGAGGGTG

ATGTCGGTTTTCGCCATCACTTGTTCCATATTGGAGAGCATGGCTTGGAAGAACGGGTTG CTTTGGGCGTGTTCGCGCAGGGCGGCGAGCGTTTCGGGTTTGTCTTCGCACAAGGTTTCC ACCGCGCTGCCGAAACCGTACCAAGCCGGCAGCATGAGGCGGTTCTGCATCCAGGAAAAT ACCCACGGAATCGCGCGCAAGTCCTGAATCCGCGCCAAGGTTTTGCGGCTGGCGGGACGG CTGCCTAGGTTGAGGGTGGCGATTTCCTGAATCGGGCTGGTTTGCAGAAAGTAGTCGATG AAGTCGGGATGGGTAATCAGTTCGCGGTAGTATTTGAACGATACGTCCGACAATGCCTGC ATCAGTTTGGCATCAGGGTCTTTTTTATCCGGCAGGATGCTGGCTTCCAAAGTCGCGGCA ACCAAGGTTTCCAAGTTGCGTTGGGCATTGCCGGGGTCGGCGTATTTGGCGGTAATGACT TCGCCTTGTTCGGTGATGCGGATTTGTCCCGCCACGCTGCCCGCCGGTTGGGCGAGAATG ATACGGACATCGTATTTTTTGAAGAGTTCGACCAAGCCCAATTCCGCCTGATAGAGGCAC CATGAGCTGGTAACGTAGCCGCCGTCCTTGTTGGAGTCGGAATAGCCGAGCATGATTTCT TGGATGTTTCCACGGCTTTCGAGCAGTGCATCGTACCAGTCGAGGCGGAACATGGTTTCC ATGACCGGACAGGCGTTTTCCAACGCTTCAATGGTTTCAAACAGCGGCACGATATTGATG AAGGCGAGCAGGTCGCTGGGTTGTTCGCAGTTGGAAATAATGCTTTGTGTTACGGCATCT TCGCCAAATTCGTCTTTGATTTTGCGCGCTTCGTTGAAAATTGCCAGTTCGTGGCGGGTA TGGTCGCTGTATGTGATAAACGGGCTGTACAGAGGACGTTGATGGCTCAATTCGCGCAAC AGGGCGGTTTGTTTTTGCTCTTCGTTCAGGCGGTTGTAGTCTTCCAAGCCTGCGTGTTGG AAAAGCTCGGCAACCACATCGGCGTGTTTGCCTGCGTGTTGGCGCAAGTCGAGCGGCATC ATGTGAAAGCCGAACACGGATACGGAACGGATGAGGTCTGCCAAACGGCCTTCGGCAAGC AGACGGCTGCCGTTGTCGATAAGGGAACGTTGCAATTTTTTCAAATCATCCAGAAACTCT TGTGCCGAAGCATAAGGCTCGAGAAAGCCGAATTTGCAGCCCATACCCAAACCGAGCGCG CGCGCTTTGCCCATAGCGCGCGCCATAATGTAGGCGATGGCGCGGCGGTAGGGTTCTTCG GCGCGGCGATTTCTTCGTCGGGCGATTTGTCGGACAACGCCGTTACATCGCCGTTGACT TTGACGCGGCGGATGGAGAGCGGCAGTTCGCGGTAGAGTTTGTCGAGTTCGCCGCGATAG AAGCGGAACACGGCATCGGCGTGGCGGCGGAAGGCAAAGCGCAGGGTTTCGGCAGAAACA AACGGATTGCCGTCGCGGTCGCCGCCGATCCAGCCGCCGATTTTGAGGATGTCCGGAACG CGGACGCCGGGATAGGCCGTCTGAAAGTCGTGTTCCATCTTGCGGTAGAGCTTGGGCAGG GCTTCGAAAAAGCTCATCGGGAAGATGGACACGCCGTTGTTGATTTCGTCGTTGACGCTG AGTTTGTGGCGGCGCGTTTCGCTGGTCTGCCACAAGCCCAGCAGGATAGTGTCGATTTCG CGGCGCAGCCGTGCCAGCGCTCGGCATTGGTGCAGCGTTCGCGTTGCGGCAACAGTGCG AAAACGGCGGTAACGGACGTATTGTCCAACTGCCGCTGCACCGATTTGCCGTCGGCTTTC CCCGCTTTGAGCCTGCGGACGGTTTCCGTCAGGCTGCCTTCCGCGCCGCCGCGTCCGGCT TCTTCGTGGATTTGGCGGCGGCGTTCGTGGTGCACGTCTTCGGCGATGTTCAAAATCTGG GCGAACAGGCCGCAGGCCAAGGTTAAATCGTGGGTTTGTTGTTCGTCCAATTGCGGCAAT ACTTTTCAATCAATGCCGCGCTGTCGTCGGAAGTGGACAAGAGTTTGACTGTTTCGACA ACCAACGGCGAGGCTTCTTCGTGCAGGAGGTTGAACAGGGATTGTTTCAGAAATTCCGCG TCCGCCGCCAAAGCCGCGTCCTTTGGATTGTTCAGAATATGCAGTTGCATGATTTTTCTC TCTCGTCTGCCGTAAATATTGTAAATGTACCCCAAATGCCGCATCCGTGCCAAACCGTTC ACACTTTAACCGCCCGTGTCCCGAAATGCCGTCTGAAGTTGAACGCCGCCCGACGGCAGC GTTACAATCGCCCGCAACTGTTTTTTTCCGAACATCATCATGACCACGACCGAACACGAC **AACGACGATGCATTCCTGCTGCGGTACAGCCGCCACATCCTCTTGGACGAAATCGGCATC** GAAGGGCAGCAGAACTTTCCGCCGCGCATATTTTGGTCGTCGGCTGCGGCGGTTTGGGT GCCGCCGCACTGCCCTACCTTGCCGCTTCGGGTGTCGGCACGCTGACCATAGCCGATTCC GACACGGTCGAACTGCACAACCTGCAACGCCAAGTCGCATTTGACGAGGGCGATGTCGGC AAACTCAAAACCGAAGCCTTGGCAGGCCGCCTGAAACGCATCAACCATACCGTCAACGTC CGCGCCGTCAACGAAAAACTCGACGGCTGCCGCCTGACCGGTTTGGTTCAAGCCGCCGAC **ATCGTTTTAGACTGTTGCGACAACTACGCCACGCGGCAAGCCGTCAACCGTGCCTGCGTG** CANACGANANCACCGCTGGTTTCAGGGGCGGCGGTACGCTTTGAAGGGCAACTTGCCGTG TACCGTCCCGACTTGCCCGACTCGCCGTGTTACGCCTGCTGTTTGACGGCGGATCGGCT TCAGACGGCATCTGTTCTCTTCGGCGTGTTCTCGCCGCTGGTCGGCATCATCGGCAGT ACCCAAGCGGCGGAGGCTCTGAAAATCCTGCTGGATGCGGGCGAACCGTCGCACGGCAGG CTGGCGGTTTACCGTGCCTTGGAAGGGGGCTGGCAATATTTCGACCTGCCGCGCAACCCT GAATGCCCGGTTTGCGGCACAGCGCGATAAACCCTGCCGCCGTTTCAGACGGCATCCAAA AAAAAAAATAAACTTACCTTATAATTGCAATTGTTTTAGCAATGTCTGTTTCGCAGACTC **ATTGAGTAAAACGTTTTCCCCGTAATGTGTTTGGCCGTCTGTCCCCTTTGGGTTCGGACG** GCTTTTTTTTGGCTGTTTTGAATACCCGGTTGGTTTTATCTGTTTGCAGCGGGGAAGC CGCTTATTTCCGTTCGGGCGGAAAACGGTTCCATCGGATAAAAGGCATTTTGTCCGACTG **ATTAAAGTTATAGTGGATTAACAAAAACCAGTACAGCGTTGGCTCGCCTTAGCTCAAAGA** GAACGATTCTCTAAGGTGCTGAAGCACCAAGTGAATCGGTTCCGTACTATTTGTACTGTC TGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCACTATATATCTTAGGTTTGCATC GGCGGAATATTCAAACACAGCCTTTTTTAAGGAAATCCGGATACGGCGGCGCATCAATAA TGCGGCGGAATCTCGTCGCGCAGGGAATACGGCTCTTGCGCGTCGGGATTCCTGTCCTGC **ATTTTTTGATACAGCAGCCTCAACTGAGCCTGCTGCAAATCCAGCGTCTGCCGCAATTCC** GCCACCATCGCGTTCAGGCCGGCGATTACGTCCTCCTGAAGCGCGGATTGGATTTCCAGT TCGACAATACGGCGTTCCAACTCTTGAACCGCGTCCATTTACAGCACCATCGCGGCAATC CAGCCGGCAATCAGCAGCGGGATGTTGTAGTGGATGAAGGTCGGGATAACGGAATCGCGG ATGTGGTCGTGCCCGTCGGCGTTCAGCCCCATCGTCGGGCCCAGCGTGGAATCGGAC GCAGGCGAACCGGCATCGCCCAACGCCCCGCCGTGCCGACAATGGCGACGTGGCAAGC GGCGAAAAACCCAAACCGACACAAAGGCACATAAATCGCGGCAATAATCGGCAAAGTG __GAAAAGGACGAACCGATGCCCATCGTTACCAAAAGCCCCACCACCAGCATCGCCAATGCC GCCATACCTTTGCTGTTGCCGAATATCGCCATACTGCTTTCCACCAGCGGCTGAATATGC

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CCGGTCGCATTCATCACGGCGGCAAAACCCTGCGCGGCAATCATAATGAAGCCGACCATC GCCATCATCTTGATACCTTCGCCGAATACGTCGTTTGCCTTGTCGCGGTTAATGACCCCC AACATCATAAATACGGCGAAACCGAGCATCGCGCCCAACACCAGCGAGTCTTCATACATC AACTGGATGGCA.AAGCATACGGCAATGGCGACGGCGGCCGGCCAGGCTGCGGTAGGCGGAC GGCTGCGGACGGTTTGCCGCATCGGCGTTGCCCGCCGTATCGGCATTGTTGCTTTGGTAC AGGCGCGGTTTGCGGTAATGGACAAACGCCAGCAGGAGTCCGGCCAGCATTCCCAACGCG GGAATCGCCATT GCCGCCATCACGTTAATGTTTTTCACATCAAGCTGCGGCGCGCGGAA TGGATGTTGCCCAACAGGATTTCGTTCAAAAAAATCGCGCCGAAGCCGTAAGGCAGGAAC ATATAAGTCGTA.ACCAGCCGAAAGTGATGACGCACGCAATCAGGCGGCGGTCGATTTTC AGGCGGTTGAAC ACCAAAAGCAGCGGCGGAACAATCATCGGGATAAAGGCAATGTGGATG GGGATGATGTTCTGACTCATCCCCATCACAAGGATGATGGAAAGCAGCAGCCATTTG ACCGCGCCCTCGCCCGAACGCACGCTGTCGGGCATACCGCCCCGGTTCAGCTTGCGGACG ACCGCGCCGGCAAGCTGCTGCGGCAGGCCGGAATGGGTAATCGCCATTGCAAACGCGCCG AGCATCGCATAA GAAAGCGCAATCTTCGCACCGCCTTCCAAACCTTTGTTGAACACGGGG ATAATCCCCGCCTGACTGACCTGTCCCGCCGCATCGCCATGTTTTGCAGCGGCATACCC GCCACCGCGCCGACAAACGCGCCGACCGTCAGGCTCAATACCACGTGCACGCGCGAC AAACCTATAAATGTTTACATATCGAAACACATCATAACCCAATAACGGGAAACCCGCCAA TTTTGCAAACAA TTATTTCAAATGCTTCATATACTTCCCCAGCGTAACCCTGTCCAAACC CGCCAAATCCGGCAGGGTTTCCACTCCTGAAAAACCATTCTCCGCCAACACGCCGCGCAC CGCCGCGCCCTGATCGAAACCGTGTTCCAGCAATAAAAAACCGCCTTCCGCCAAACGGTC GGGCGCGCCTTGCGCCAAGGTGCGGATGCAGCTTAGGCCGTCTGAAAAGTCGGTCAGCGC GATTTGCGGCTCAAACCGCAAATCGCCTTGCAACAAATGTTTATCGCCGTTTTCGATATA GGGCGGGTTGGA CACGATGATGTCCCATTTCCCTTCAGACGGCATATCGGTGTCGAACCA CGAACCGTGTGCAAATTCGACCCGCGCGCCCAAATCCGCCGCATTTTTCCGCGCCCGTTTC AAGGGCGGGCGGCTGATGTCGGATGCGCGCACAAACGCATCGGGGCGTTCGAGCGCGAC GGTTACGGCAACCGCGCCGCTGCCCGTCCCCAAATCCCACACGCGCCCGTTTTCGGGCAG GCGCGCCAATACGGCTTCGACCAAATGTTCGGTTTCGGGGCGCGGAATCAGCACGCTCGG ATTGACTGTAAAGCGTCTGCCATAAAATTCGCGCACACCTAAAATATAGGCAACCGGCTC GCCGTTCAGACGGCGTTGCGCCAGCCTGTCCGCCCGCTGTCGGACTTCGTCCGGCATTTC TTCCCCGCCCCGCGTCAACAACTGCACGCGCGTATATTCCGAAACATATTGTAGCAGCAT TCTTGCTTCATTTTTAGGCAGTTTTGACAAGCCCAACCATTTATCAAACGTCATTTTTAT CCCGTCTGCCGCTGATGCGGCTTTTCTTTCCTTATTCTTTCCGGCAAACGTACCGATGGT GGCAACCGCAAATGCGGCATACCACAAATAAAATCCTGCACCGTAGCGCACAATATCCGA TGTATTCCCTGCTTCATCGACGTATACGGCTTTCACACTGAAAGCCACCAACGCCAAGCC CCAAAGTGCCGCATGGACAGGCACGTTCTTCCGCAACGCCAGCAAAACAATGGCCGC CAACCAAACATAATTCGCATAGACCGCACAATACCTGATATCCAAAGAAGCAAATATCGA CCCCAAAATCAAAACGGTCAAACCCTCCATGCTTCCATGATTGCCCAAATAAAATGCAAC ATTGGATAAAGACGCTATCCACAGGGCAACCGACACCAGCAACATCACTATGGGAAAACT TGGTTTCCGATTCTGTTCCTGCATGGTTTTATCCTAATGTAAAAGGCCGCCTGAAAACCT TTCAGACGGCATCGTGCCGGATTCCGCGTCAGATTGCGCTGCCGCCGACGGTCAGTCCGG CATCAATCCGCAAAGTCGGTTGCCCCACGCCGACGGGGACGCTCTGCCCTTCTTTGCCGC ACACGCCGACACCGCTGTCGAGCGCAGTATCGTTGCCTATCATGGAAACGTGTTTCAGCA CTTCGGGGCCGTTGCCGATGATGGTCGCGCCTTTGACGGGATATTGCAGCCTGCCGCCTT CCACCCACCACGCTTCGGACGCACTGAACACGAACTTGCCGCTGGTAATGTCCACTTGTC CGCCGCCAAAGTTGACGGCGTAAATGCCCTTGTCGATGGACGCGATGATTTCTTCCGGCT CATAGCTGCCGTTTTCCATAAAGGTATTGGTCATGCGCGGCATAGGGGCGGAAGCGTAAC TTTCGCGGCCGCCGTTGCCGGTGGACTGCGTACCCGTCAGGCGGGCATTGGTTTCGTCCT GCATATAGCCGACTAAAATGCCGTCTTCAATCAATACGGTGCGGCGGGTTTCGTTGCCTT CGTCGTCGATGTTGAGCGAACCGCGCCGGCCGGCAATATCACCCTGATCGACGACGGTAA CGCCTTTGGCGGCGACGCGCCTCGCCTATTCTGCCGGAAAAGACGCTGGTTCCCTTGCGGT TGAAATCGCCTTCCAAACCGTGTCCGACCGCTTCGTGCAGCAACACGCCCGGCCAGCCGT CCTGTTTGACGGCGGCATCGACAAACCGATGAACCAAGTTTTCATCGAAATAAGCCAAGT CGTAGCGTCCGCCGCCCCCCCCCCTGTTCGCCGCGTTCGCCCTGTTTGGCGATAA CGGTAACGTTCAGGCGCACCATCGGGCGGATGTCGGCGGCGTGTTTGCCGTCCAGACGGG CGAGGTAAACCATATCGTATTCGCAGGTCAAACCGGCCATCACTTGCACGATGCGCGGAT CGGCGGCTTTGGCGATTGCTTCCACTTTGTTCAACAGCGCGACTTTGGCGGCGGAATCGA GGCCGGCAATGGGGTCGGACGCGGAACAAACCGGCTTGCCGCGCGTTTCAGACGGCATTT TCGAATCGATGCACAGGCTGTCGGCGTAGGCAAAGGCGGTTTTGTCGCCCGAAACGGCGC GCACGCCCACGCCCTGATTGATTTGGAAGCTGCCCGATTTGACGATGCCCTCTTCCAAAT GCCAGCTTTCATAAGCGGTGCGCTGGCAGTAGATGTCGGCGTAATCGACGTGGTGCGCGC CGATGATGCACAGGCTTTTGGCGAGCAGTTCGGGGGGAAAGGCGGTTGGCTTCGAGCAGCC GCGCCTGTACGGCGGAATAGGTCGGATGCATAGTGTCGGCGCATAAAAAATCAGGGGCTT GATTATACGGCATTTGTTATATAGTGGATTAACAAAAAACAGTACGGTGTTGCCTCGCCT TGCCGTACTATTTGTACTGTCTGCGGCTTCGTCGCCTTGTCCTGATTTTTGTTAATCCAC TATAGAAATGCGCCGTGCCGCCTGAAATGTAAGATTTTTGCCAACGCCCCCTGCTTTTGT GGCTTCCGTTCCCTTTTCCGCACTTCCCCGCCCCATTTTCATGTTTTTTAAGGACTTGAT ATGTCGGGCAATGCCTCCTCCTTCATCTTCCTCCGCCATCGGGCTGATTTGGTTCGGC GCGGCGGTATCGATTGCCGAAATCAGCACGGGTACGCTGCTTGCGCCTTTGGGCTGGCAG CGCGGTCTGGCGGCTCTACTTTTGGGTCATGCCGTCGGCGGCGCGCTGTTTTTTGCGGCG GCGTATATCGGCGCACTGACCGGACGCAGCTCGATGGAAAGCGTGCGCCTGTCGTTCGGC

AAACGCGGTTCAGTGCTGTTTTCCGTGGCGAATATGCTGCAACTGGCCGGCTGGACGGCG GTGATGATTTACGCCGCCCAACGGTCAGCTCCGCTTTGGGCAAAGTGTTGTGGGACGGC GAATCTTTTGTCTGGTGGGCATTGGCAAACGGCGCGCTGATTGTGCTGTGGCTGGTTTTC GGCGCACGCAAAACAGGCGGGCTGAAAACCGTTTCGATGCTGCTGATGCTGTTGGCGGTT CTGTGGCTGAGTGCCGAAGTCTTTTCCACGGCAGGCAGCACCGCCGCACAGGTTTCAGAC GGCATGAGTTTCGGAACGGCAGTCGAGCTGTCCGCCGTGATGCCGCTTTCCTGGCTGCCG CTTGCCGCCGACTACACGCGCCACGCGCCGCCCGTTTGCGGCAACCCTGACGGCAACG CTCGCCTACACGCTGACCGGCTGCTGGATGTATGCCTTGGGTTTGGCAGCGGCGTTGTTC TTGGCGGTCGTCCTCCACCGTTACCACAACGTTTCTCGATGCCTATTCCGCCGGCGCG AGTGCGAACAACATTTCCGCGCGTTTTGCGGAAACACCCGTCGCTGTCGGCGTTACCCTG ATCGGCACGGTACTTGCCGTCATGCTGCCCGTTACCGAATATGAAAACTTCCTGCTGCTT ATCGGCTCGGTATTTGCGCCGATGGCGGCGGTTTTGATTGCCGACTTTTTCGTCTTGAAA CGGCGTGAGGAGATTGAAGGCTTTGACTTTGCCGGACTGGTTCTGTGGCTTGCGGGCTTC ATCCTCTACCGCTTCCTGCTCTCGTCCGGCTGGGAAAGCAGCATCGGTCTGACCGCCCCC GTAATGTCTGCCGTTGCCATTGCCACCGTATCGGTACGCCTTTTCTTTAAAAAAACCCAA TCTTTACAAAGGAACCCGTCATGACCCGTATCGCCATCCTCGGCGGCGCCCTCTCGGGAA GGCTGACCGCGTTGCAGCTTGCAGAACAAGGTTATCAGATTGCACTTTTCGATAAAGGCT GCCGCCGGGGCGAACACGCCGCCCTATGTTGCCGCCGCCATGCTCGCGCCTGCGGCGG GCGGCATCCGATGCCGTCTGAACACGCACACGATGATGCAGGAAAACGGCAGCCTGATTG TGTGGCACGGGCAGGACAAGCCATTATCCAGCGAGTTCGTCCGCCATCTCAAACGCGGCG GCGTAGCGGATGACGAAATCGTCCGTTGGCGCGCCGACGACATCGCCGAACGCGAACCGC GGCAAATATTGTCTGCACTTGCCGACGCTTTGGACGAACTGAACGTCCCCTGCCATTGGG AACACGAATGCGTCCCCGAAGGCCTGCAAGCCCAATACGACTGGCTGATCGACTGCCGCG TACGCGGCGAAGTGGCGCGGGTTTACACACCCGAAATCACGCTCAACCGCCCCGTGCGTC TCTTGTCCGCACTCTATGCCATCCACCCCGCCTTCGGCGAAGCCGACATCCTCGAAATCG CCACCGGCCTGCGCCCACGCTCAACCACACACCCGAAATCCGTTACAACCGCGCCC GACGCCTGATTGAAATCAACGGCCTTTTCCGCCACGGTTTCATGATCTCCCCCGCCGTAA CCGCCGCCGCCAGATTGGCAGTGGCACTGTTTGACGGAAAAGACGCGCCCGAACGCG ATAAAGAAAGCGGTTTGGCGTATATCCGAAGACAAGATTAAAGCCGCCCGAAAGGACACC TTATGACCTTCCCGCCCTAAAATCCCCGCTCAAATTCTACGCCGTCGTCCCCACCGCCG ATTGGGTGGGCGCATGGTCAAAGCAGGTGCCGACACGGTGCAACTGCGCTGCAAGGCCC TGCACGGCGATGAATTGAAACGCGAAATCGCCCGCTGCGCCGCAGCCTGTCAGGGCAGCC GTACGCAGCTTTTCATCAACGACCACTGGCGCGAAGCAATCGAAGCGGGCGCGTACGGCG TGCATCTCGGACAAGAAGACATGGACACCGCCGACCTTGCCGCCATCGCCGCCGGCTT TGCGCTTGGGTTTGAGTACGCACTCCGTTGCCGAACTCGACCGCGCCCTGTCCGTACACC CGCAAGGCTTGGACAAACTGCGCGAATACGTCAAACAAGCAGGCGGCACGCCCGTCGTCG CCATCGGCGGTATCGACTTGAACAACGCCCGAGCCGTACTCGCCACCGGCGTTTCCTCAC TCGCCGCCGTCCGCGCCGTAACCGAAGCGGCAAATCCCGAAGCGGTGGTTAAAGCGTTTC AGGCTTTGTGGGATGGATAAAACCGAAAGAAGAAAATTCAATTGCCGTGTAGGCAAAACT TAGCCCGTTATCGCAAACATACTTAACTTTAAATGTGGCATATCATCAAATTCCGTCATT CCCGCGTAAGCGGGAATCCGCCTTAAAACTTGAGAAACCATCATTTGAAAAAACAGTTTCC GAATTTCAAAAATGGATTCCCGCCCGTGCGGGAATGACGGCAACCGGTCAGTTGCGTATC AAAAAATAAAGTAATTCGGCTAGATATAGTGGATTAACAAAAATCAGGACAAGGCGACGA AGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCACCTTAGAGA ATCGTTCTCTTTGAGCTAAGGCGAGGCAACACCGTACTGGTTTTTGTTAATCCACTATAA ATACAGAAACATCGAGAAACCATGAACATCATCTTAAACGGCGGACCCGCCGAACTTCAC GGCACGACCGTTGCCGACCTCATCGCCCAAACCGCGCCGCAAAAGCCCTTTGCCGTGGCG GTCAACACCGTTTTCGTCCCCAAAGGCGCGTATGCGGAAACGGTTTTAAACGAAAACGAC AAAATCGATATCGTGCGGCCGGTGGTCGGCGGCTAGGCGGTTTTGCCTTTTCAGACGACC CCTGTCCCCAAAACAACGTTATGGTGGATTAACTTTAAATCAGGACAAGGCGACGAAGCC GCAGACAGTACGGATAGTACGGAACCGATTCACTTAGTGCTTCAGCACCTTAGAGAATCG TTTTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATACAAAG GAACCCATTATGCTCACCCTATACGGCGAAACTTTCCCCTCGCGGCTGCTGCTCGGCACG ATTACCGTCTCGCTGCGCGCGGGGAAGCGGCGCGAGGCGCACGGTCAGGGGTTTTGG TCGCTGCTTCAAGAAACCGGCGTTCCCGTCCTGCCGAACACGGCAGGCTGCCAAAGCGTG CAGGAAGCGGTAACGACGCGCAAATGGCGCGCGAAGTGTTTGAAACCGATTGGATAAAA TTGGAACTCATCGGAGATGACGACACCTTGCAGCCGGATGTGTTCCAGCTTGTCGAAGCG GCGGAAATCCTGATTAAAGACGGCTTCAAAGTGCTGCCTTATTGCACCGAAGACCTGATT GCCTGCCGCCGCCTGCTCGACGCGGGCTGTCAGGCGTTGATGCCGTGGGCGGCCCCGATC GGCACGGGTTTGGGCGCGGTTCACGCCTACGCGTTGAACGTCCTGCGCGAACGCCTGCCC GACACGCCGCTGATTATCGACGCGGGCTTGGGTTTGCCCTCACAGGCGGCACAAGTGATG GAATGGGGCTTTGACGGCGTGCTTTTGAATACTGCCGTTTCCCGCAGCGGCGATCCGGTC AATATGGCACGCGCCTTCGCACTCGCCGTCGAATCCGGACGGCTGGCATTTGAAGCCGGA CCGGTCGAAGCACGCGACAAGCGCAAGCCAGCACGCCGACAGTCGGACAACCGTTTTGG CATTCGGCGGAATATTGAAAAAGGCAGCAAAAATGCCGTCTGAAGGCTTCAGACGGCATC .GCGGTCCAAAACGGCGGCGGCCTGAAACGGACAAACCGCCATTCCCCGGCATCACGGCTT TGTCGGAAAAATGGAAAAACCGGCCGGAAAACCTTGCCGCCCGTCCCGATGCCGCAACC

AACGAAACACTCGGCCTCCACGGTGTGCAGGCTGCCGCGCAAGCCCTAAATACGGCAATA TTCATCCGCAACGGTTTTACCGCTTTCGCATCCCCGAATCCACGCTCAAACACCCCCGAA TGACAACCCTGTCCGCGCCAAATCGGACGGATGTTCAAACACGGGCAACCTTATTTCCGT CAGGCACGAAGCCCTCAGCTATGCCTGCCGACCCCGATTTGTCCGACACAATGAAAGTTT GCCGACCCGAATCACAAACATCGGCGGACAGGTTAATTTGTTTATTTTTCATCGTATTAC AAAAAATCTGCATTTATTTTAAATTTTTATTGATAATTATTATTATTAGCGTATAATCA AAACCACTCGGAAGCCGTCCGTTCCGAACCATTAAACACCATATTTCCCCATCATCACTT TCACACTTGGAGTCGGCATATACGAGACATACATTCCCTTTTTATATATCAGATACTCAA AACCGAAACGCCAAACCCACCTTCGCGGTGGGTTTGGCGTTTATCGTCCGGCTTTCGCGC CTATTTGCAAGACTTGAGGTTCAGTTTGCCGTATAGGGACGTGATTTTACGAATTTCGTC CGCATCGGCGGCATTCACGCCGGTAAACAAAACCGTCATACGCGACACGCTCAAAGAATC GTCCTGCCTGTCGGCTTCGGCAAAGTGTTCGACAATATGCGCCCCGCCGAATCCGGCGCC GGCAAGCCGGTTTTGCAGGGCTTGGGCGTTTTCCCGGCTGTTGCCGACACCCAAACTCAA TGCGCCGTCAAACGGTATGGGGTTGAAACCTTTGGCAGACAGCTCCGCCGCCTGATTTTC GGCATCGGCGGAAACGGGCAGGACGACGCGGTAGGTTTTGTCGGCAGGTTTGGCTTGGGC GGTGCGTTTTTCGACGCTCCTGCTGCCAACGTGCGACCATTTGCCCCAAAAGTCCTTTGAT TTCTTCACGCTGTTTTTTCTCTTTCAGTTTTTTCTGTTCCGCTTCTTTTTTCAAGCGCAA CTGCTCCGCCTGTTCTTCGCTCAGAATGTCGCCCTGTTTGAGCAGTGCGCCTGTATCCGA TTCAGATGCCGCCTGAACGACAGGACCGGATGCTGGAATATTCCGAACAACCGGCATAGT TGGGGCAACTGGTTGAACCTGCAAATTGTTTGCGGCATTCTGTGCCTCCGGTATTCTGCC GGCCTGTTTCAGTGTCAGTTTGTAACCTACCGTACCGCCGAATACGGCAATATTAATCGC AACCAAAAGGATAAATAGCCATTTCATCTCTGTATTCCTTAAATATGTTCATATTCCCTG CCTTCGGCGGCAATCATGTTCAACAACCCGTAAATGACGAGGTTGTCCGCCACGCGCACG GTATTTTCCGCCAAAAATGCAGGCGGCAGGGCTTCGGCAACTTTTGCCGCGCCGCCGCCG GTAATGAT GACATCGACAGGCTTGCCCGCCCCGGTTTTTTCTTTCAAACGCCCGTGCATC ATCATAACCGAGCCGCAAACCGCATCCATCATGCCGCTGGCGACGGCATTGCCCGTTGTG GTCGGGAAAGGATAACGCTTACCGGCGTGCCGGTTGAGGTTGGCCGGTTCGGACGGCGAGC GATTCTTTCATCAGGTGGAAACCGGGCATGATGGTTCCCCCGAGATAATGTCCGTCATCG GTGAGCGCGTCAACCGTTACCGCCGTGCCGCAACTGACGACGACGCAGGCGTTGCGGCTG AAGCGGCGGCTGCCCAAGGCGTTGAACCAGCGGTCGGAACCGTGTTCTTCGGGGTGGCGG TAGTGGTTGCGTATGCCCAAAGCCTGTGCGGAAGACGGCAGCCACTCGATTTTTCGGGCG AGCTGTTCCTGCACTTGTGCCTTTTTGAATTCTCCGCACACAGCGCAACCGACGATGCGG ACATTTCCATCCGCCTTTTCCGCCCACTCCGCGCCCAAAGGCGACAAATCGCGGTACGGC GCGCTACCGACGGTTGCGAACGTGCCGTTTTCCACCCACGCCCACTTGAGCCGGCTGTTG CCGCCGTCCAACAGCAGAAAACGTTCCGAATCCCGCCGCTTCGGCACGGAAACCGGCCTG TCGTCGGACCGCAGGCTGATTTCGCCGCTGACGACCGTCTGTTTGCCCTCTGCCGTTTCC AAGTGCAAAACGCCTTGTCCGTCCACGCCTTTAACCGTGCCTTCGAACACGGTTTCGCCG TCGCGCAACAGCAATACCGCCTTGCCGTGGTCGCGGTTGGCAGCCTGATATTCCGCCACA AAAGGCGCAAATCCGTCCCGCGCATATTGCAACAACACCGCGTCCAGTTCCACCAACAGC GTTTCCAGCAGCACGGCGCATCGGCATTGCCCCGCCGATGCCGTCTGAAACAGCGAT TGCACGGAAGCGGCATTTTCTACTTCCTTGGGCAGGACAAAATTGATGCCGATACCGACC ACGGCAACCGTTTTGCCGCCCGTCCTGACCGTTTCAATCAGAATGCCGCCCAATTTGTCG CGTCCGACAACCAAATCATTGGGCCACTTAATCTGCACATCCAAACCTAAACGCGACAAG GCGCGCCGACACGCCACTGCCGCAACAGGCGACAGCGAACCCAACTCATACTGCGGCCGG TCAAACACCCAGCCAAAACTGAACATCAGACACTCGCCCAAACGGTGCGACCACTTCCGC CCCTGCCGCCCCTGCCCTTACTTTGCAGGTGGGTCACGCATATGGTTTTGTGCGCCTTG TCCGGCGCAATCCGCGCCAATTCCAGTATCTCGTCGTTGCTGGACGCGCACTCGTGCTTC AATGCCGTCTGAAAACCCGACCTTTCCCCCAGCTCGCGCAAACCTTCGGCATCGAAAACC GCCAATGGGCGCACCAGCCGCCAATAGCCGTCGTGTTGGCGCAACAGCCCGCGTATGTGC GCCGGCATCTGCTGCCAAAAACCGTTGAGCTGCTGCGGCTTCATATCCGCCATACGCGCC AGTTGCGAGACGTGTTGCGGCAAACCGTCGGCAAGCTCCGCCAACACCCGCCAGTGCGAA AGCTTCAAAACCGTCATTTTCCGCCCTCTGCCGCACGGATTTTTGCCAAAGTCTTCGTTG TCGAAGTCTGGTGCAGAAACGGAATTGAAAACACCTGACCGCCGCGCGCCAACGTTTCTG CCGCACCGACAATCTTATCCGCAGCCCAATCGCCGCCCTTGACCAAAATCTCAGGTTTGA CCGCCTCAATCAACGCCGCCGGCGTATCCCCGTCAAACCACGTTACCAAATCCACACTTT CCAAAGCGGCGGCAACGGCGCCACGGTTCTCCAAAGGATTAACCGGGCGGTCACCGCCCT TGCCCAGACGCCGCACCGAAGCATCGGTATTCAACGCCAGCACCAACGCGTCCCCCATCG AACGCGCCTGCGCCAGATAAGTAACGTGCCCCCTGTGGAGGATGTCGAAACAGCCGTTGG TAAACACCAGCGGGCGCGAACAACGCCAAACGCCCAACGCCTCGGGCGGACAGA TTTTCGATTCAAAATCAGGGACAGACCAAGCGTCAACCATCAAAGCCTCCGACAAAAACC ATAAAAGACAGAAAAACCCACATGATACAGAAGCATATGCGAAAGGCAAAGCCGGCGGCG CGGACAGTACGCGCAAACGGGAAAAGACCCGTACCGAAAAGTACGGGCCTTTATCTGGGG TGGCTGATGGGGCTCGAACCCACGACAACCGGAATCACAATCCGGGGCTCTACCAACTGA GCTACAGCCACCATAAAAACGGTTTTCAATCAAATTCTTGGCACGCCCGACAGGAATCGA ACCTGTAACCCCCGACTTAGAAGGTCGGTGCTCTATCCGGTTGAGCTACGGGCGCTCATG CCGATTCGTGCTGATTGATTGGTCGGGGCGGTGGGATTCGAACTCACGACCCTCTGCTCC CAAAGCAGATGCGCTAACCGGGCTGCGCTACGCCCCGACTTGAAGAAGCGAACTATACAA CTCAGGGAAAGATGCGTCAACATTTATTTTCAAGACACCAAGATGAAAAATATAGTTTTT TGATTTGAAAAAATATTTAATCCGTCCAAACAGCCGTATTTTATTTCAGGGCAAATTTAT TTTCGGCATCCTGCTGTAAAAACAAACGGAAAATGCGATAATTTTCAGCATTTTCTACCT GTTTAACAAAAGGACGGATATGTCGGCACAACTGATCAATGGTAAAGAAGTTTCGCAAAA ACGCCTGCAGGCGGTTGCCGAAGCGGTGGCGCAACGCCAACAGAACAATCTGCACACCCT

TGCCTGGCCGTGGTTTTGGTCGGAGGCGACCCTGCCAGCGCGGTTTATGTCCGCAACAAG AAAACTGCCTGCCAAAAATGCGGCATCAAATCACTGTCTTACGAGCTGCCCGAATCAACA TCGCAGGAAGAACTGCTGGCACTGGTCGACCGCCTGAATGCCGATTCCGAAGTGGACGGT ATTCTGGTTCAGCTACCGCTGCCGAAGCACCTCGACAGCCAGGCGGTTTTGGAACGTATT TCGCCGGATAAGGACGTGGACGGCTTCCATCCTTACAATGTCGGCAGGCTGGCGGTCAAA ATGCCGCTGATGCGCCCGTGTACGCCCAAGGGCGTGATGACGCTTTTGGAAGCTTACGGC ATTGATCCGAAGGGGAAAAAAGCGGTCGTGGTCGGCGCGTCGAATATCGTCGGCCGCCCG CAGGCTTTGGAACTGCTGCTGGCGCGCGCAACGGTAACGGTCTGCCACAGCGCAACCGAA **AATCTGACAGACGAGGTTGCCGGAGCCGATATTTTGGTGGTCGGCGTAGGCATTCCGAAC** TTTGTCAAAGGCGAATGGATCAAACCTGGCGCGGTCGTTATTGATGTGGGCATCAACCGT TTGGACGATGGCAGCCTGTGCGGCGACGTGGAATTTGAAACGGCAAAAGAACGGCGGCGCG ATGATTACGCCCGTTCCCGGCGCGCGTGGGTCCGATGACGATTGCCACATTGATGGAAAAC ACCCTGCACGCGCTTCACTGCACGATGCTTGAGCGGTTCTGAAGATAAAAATGCCGTCT GAAAGGCTTTCAGACGGCATTTTGCCGTGTCCGTTTATTTGGGCAGCTTGACGACAACCG TATCCGCCAGTATGTCGTAAAGCGTGCGGCGGTCGCGTTTGACCATAAAGAGCAGGACAA AGTTGGCAAGGAATGCCAGCAGGTTGATGGCGTTTTCTCCGTTGTCACCTACTGCAAGAC CGATAACGGCGGCAATAATGGCAACCAAAACCGACCATGCGATTTCGCGTACCAAAACCG TGCCGACAAAACCGGGATTGCGGCCGTCGGTTTTCAACACACGGATTCTCATGATTTTCT TACCCAATGACTGCCCGTCCCGGCTCATATAGTAGATTTGGATGACGGTGTACGCCAAAA TGCCTGCCAGTCCTACCCAAAAGGAAGTCATGCCCAAAAGCAGCCCGAATATTTCTTCGC CGCTGCCAATCCTGCCTTCATTCTTGATGGCGAAAGCAATCAGTCCGGCAAACGGCACCA ACAAAACCAAAAAGGTAAACAATTGGTTCAGCAGCGCGGCAAGTATCCGGTCGCCTGCAC CGGCAATTCCGACTTCAATTTCCTGCCCGTTGCGGTTGTCGGATGCCGCGTCGGTGTAGT CGTTTTTTTTTCTTCCATATCCGTTCCTGATAATTGTTCTTAACTGACCCCGATTCTACCGC CACGACACCGAAAACGCCAATACTTAAAGAAATCCCGATAAAGAACTTTACATTTTCCCA **ATACGCCTTAAAACGCTTCCTTTACGCCATACATAATTTTATTAACGATTTTTCCTCAA** GGAGCAACAATGAAAGTAGGTTTCGTCGGCTGGCGCGGTATGGTCGGTTCTGA TGCAGCGTATGAAAGAAGAAAACGACTTCGCCCACATTCCTGAAGCGTTTTTCTTTACCA CTTCCAACGTCGGCGCGCAGCCCCTGATTTCGGTCAGGCGGCTAAAACATTATTAGATG CCAACAATGTTGCCGAACTCGCCAAAATGGACATCATCGTTACCTGCCAAGGCGGCGATT ACACCAAATCCGTCTTCCAAGCCCTGCGCGACAGCGGCTGGAACGGCTACTGGATTGACG CGGCGTCCTCACTGCGCATGAAAGACGACGCGATTATCGTCCTCGACCCTGTCAACCGCG ATGTCCTCGACAACGGTCTCAAAAACGGCGTGAAAAACTACATTGGCGGCAACTGCACCG TTTCCCTGATGCTGATGGCTTTGGGCGGCCTGTTCCAAAACGATTTGGTCGAATGGGCAA CCAGCATGACCTACCAAGCCGCTTCCGGCGCGGGGCGCGAAAAACATGCGCGAACTCATCA GCGGTATGGGCGCGGTTCACGCCCAAGTGGCGGACGCGCTTGCCGATCCTGCCGGCTCGA TTCTCGACATCGACCGCAAAGTATCCGATTTCCTGCGCAGCGAAGACTATCCGAAAGCCA **ACTTCGGCGTACCGCTCGCCGGCAGCCTGATTCCGTGGATTGACGTGGATTTGGGCAACG** GCCAGTCCAAAGAAGAATGGAAAGGCGGCGTGGAAACCAACAAAATCCTCGGCCGCAGCG ACAATCCAACCGTGATTGACGGCCTGTGCGTCCGCGTCGGCGATGCGCTGCCACAGCC **AAGCCATCACTCTGAAGTTGAAAAAAGACCTGCCTGTTTCCGAAATCGAAACGATTTTGG** CAGGCGCGAATGACTGGGTGAAAGTCATCCCCAATGAAAAAGAAGCCAGCATCCACGAGC TGACTCCTGCCAAAGTTACCGGCACGCTGTCCGTCCCTGTCGGACGCATCCGCAAACTGG GCATGGGCGGCGAATACATCAGCGCGTTCACCGTCGGCGACCAACTTTTGTGGGGCGCTG CCGAACCGCTGCGCCGCGTATTGCGTATCGTGTTGGGCAGCCTGTGAGCCCTGTTTGAAT GGAAATGCCGTCTGAAGCCTGTTTCAGACGGCATTTTCCTTGCAACCCTGCCGGATAACG CCCTGCCGGCACTGCCGACGTAAAAAATAAAGGATTCCATTTCCGGCGGTATGCGGCAGC CCGACTTTATCCGAACCTGATGCGCCTGCACGTCAATGAAAACAGCCCGATTGCGGACTT CCTGCTACAGCCGAAATTCCGATAAGGCAAGCGTTCACGCCAGCAACATTTCCTGCATCA GCTTCATACCCCACTGCCAGCCGCCGAGCATGCCGTTCAAACTGCCCGAATGCGGGGAAA CCAACAGGCGGGCGTTCCACAAATCCGCCTGTTTTTTGCGCCCAACCGTGCGGCACGCCGC CGTGTTCGGGTACAACCAATGCGGCACGGCAGGGACAGCGGACGCGTTGGAAAGCGTGTT CCGCATCGTCGGGAAAAATATCGGGACGCTGCGGTACAAGGATGATGTTGGCAATTTTCT TCCGTGTCAGGATGTCTGCCTGATACAGCCACGCCAAAAATGCGGCCGCGCCCGCACCGT GTGCGACAACGGCGACGTATTTGCCGCGTATGCGTTCAAATGCCGTCTGAAGCCCTGCCT GCCATTCCCCTATGCTTTGACCGGCCGACGCTTCGGACATCTGCACGACGGGATAACTGA TCGCCCAACGGTCTATCCACATCTGATCCTCTCCGGCATCGCGTATCAGCCAAAGCGTCA AATCTTCGAGTTCAAAACCCTGCATACCGCCCCGCCTATTTCAGCAGGTCCCGGAGGGTA AAGGCGATGAGCAGCGAAGCGGGTACGCTCAATATGGCGCAGACGGTCAGGCAGACAAAA GGCAGGCAAATCAGCAGCCACACCCAACGCCCATATCGGGTTTGCCTTGGTCGGCGCAAGC CAGCCTTGCATCCGCGACAACATAAATATCGCCCACACCAACATGGGCAGGATAAACGCA GCGACGACCCATGCCGCGCCTATTCCTGTTTTTCCGTCCACATTCCAATCATATTTACCC AAAACCTTATTCGGCAGCATAGTCATACTCCACGACCAGCGGCGCATGGTCAGAAAATTT TTCATCTTTATAAACGTGTGCGGACACGGCTTTGGCAGCAAGTTCGGGCGTAACCATCTG ATAATCGATGCGCCACCCGACATCTTTCGCATACGCCTGCCCTCGGTTGCTCCACCAAGT GTAGCCCGGCACATCGGGATAAAGCGTGCGCCACATATCCGTCCAACCGAGCTTGTGGAT AACCTTGCCTATCCACTCGCGCTCTTCAGGCAGGAAACCTGAATTTTTCTGGTTGCCTTT CCAGTTTTTCAGGTCGATGTTTTGGTGGGCGATGTTCCAGTCGCCGCAGACGACAATGTC GCGCCTTCGTTTTTCATCGCTTCGAGCATAGGGTAAAACGCATCAAGGAAACGGTATTT CACCTGCTGGCGTTCTTCCGCGCTGCTGCCGCTGGGCAAATAAAGCGAGATAACGCTCAA CCTGCCGAAATCGCAACGCACAAACCGCCCTTCCCTGTCGAATTCTTCAATGCCCATACC GATTTGCACATTGTCGGGTTTGCGTTTGCTGTACACCGCCACGCCGCTGTAACCGCGCTT **ETCGGCGCAATGCCAATGACCGTGCATCCCGTGCGGATTTTTCATATCGGCAGACAAATC**

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TTCGTAAA AACCTTTTTTGTAGGCGGAGCGGATGCCGTTGACGTTGGCGGAAATGATTTT AAGCATAA TAAAAATAAGTTCTCACAATAAAAATGCCGTCTGAACAAAAAAGGGCAAAAT GCGCACATTTACCCTTTTCGATGGATTTTAACCGCGCCGCCAAGTCGTGCCGCCGGCGT TGTCTTCCAAAATGATTTTGTGTTCGTTCAGAAGGTCGCGGATGCGGTCGGATTCCGCCC AGTTTTTATCGGCGCGCCCTGTTTCCGCCGGGCGATCAAGTCTTCGATTTCTTCGTTGG CGATGATGCCGCCCAAGGCTTTCAGACGGCCTGCCAGTTGCGCGTCATTGGTTTTGTTCA CTTCGCCGGCAAGTTCGAACAACACCGCCACCGCTTTCACCGTATCAAAATCATCATTCA TCGCAACA TAAAAGCGGCGCGTGTAGTCATCGCCGGCTTCAGACGGCATCGGATCGGCGG GCGGCGTA TTTTTCAAAGTCGTATACAAACGCGTCAACGCGCCTTTTGCATCATCCAAAT GCGCGTCGGAATAGTTCAACGGGCTGCGGTAGTGGGCGCGCAGGATGAAGAAGCGCACGA CTTCCGGATCGTATTGTTTCAACACTTCGCGGATGGTGAAGAAGTTGCCCAGCGATTTGG ACATCTTTTCGCCGTCCACGCGGATAAAGCCGTTGTGCAGCCAGTATTTGACGTGGCTGG CGATGCTTTGCCCGTGGTGGGTTTGCGCGTGATGATGACCGCAGGTATGCCCCGTCGCGC CGACGCTTTGGGCAATTTCGTTTTCGTGGTGCGGAAACTGCAAATCCGCGCCGCCGCCGT GGATGTCGAAGGTATCGCCGAACAGGTTTTCACTCATGGCAGAGCATTCAATGTGCCAAC CCGGACGGCCGTTGCCCCACGGGCTTTCCCACGCCGGTTCGCCTGCTTTGGCGGCTTTCC ACAACACAAAATCAAGCGGATCGCGTTTGAAACCGTCCACTTCCACGCGTTCGCCCGCAC GCAGGTCGTCCAACGATTTGCCCGACAATTGTCCGTAAGCGGCAAACTCGCGCACGGCGT **AGTAAACGTCGCCATTTGCGGCAGGATATGCCTTGCCGTTTTGAATCAGGGTTTCAATCA** TGGCAATCATTTGCGGAATGTTTTCCGTTGCCTTCGGCTCAATATCCGGACGCAACACGC TCTCGCCGTTTTCAGCCGCGGGGCAATGATTTTATCGTCGATGTCGGTGATGTTGCGTA CATAAGTGAGCGGATAGCCGCACTCGCGCAACCAACGGGCAATCATGTCGAACACCACCA TCACGCGGGCGTGTCCCAAATGGCAGTAATCGTAAACGGTCATACCGCAGACGTACATAC GCACGTTTTCAGGGTCGATGGGGGAAAAGGGTTCTTTTTGACGGGTTTAGGGTGTTGTAGA TGGTGGTCATGGGATTATGGATTAATCTTTGTTGCTCGGATGATAATTTCTGTTCTGTTC CTGTAGAT ACGGACCAAGGAACATTACGTAGTTGCGGATTATTAATATGGCTGATATTTG TGAAAATTGGTTCTGCATAACAGTTTGCAAAATTTTTTGTAAATTCTGATAATTTAAACT TATCTTTTAATAAGTTTGCTAAATCTGATGACGAGGGATAAAGTTTACTTCTTATACTAG **GCATTTCA ATATGAAGGACTATTTTTATTTCGTTACAATCTAAAGCCAAGCGAGAAAAAT** CTTTTCTTCCTGTTTTTCTGCTTTAAATTTAGCAGAAACCAATCCTGCCAATGAATCTC TTGGCTCAAGCCCAAGTCGGTAATAATCTTTAATTTCGATTAGCCAAAGTGTCGATTCAT GAAGGGCTATTATATCTACACCTGAGCTGCCATTATCGTCATCTACACTTTGATTTATCC CGTTCTTTCCCTTTTCATTTGTATCAATTTTATTACGTAAATTACAACTGTTCTGAAAAA TTTTATAATGTTCCCATTCGTCATACTTGGTAACGTAATAATCTTCAGGAAAAGCAAAGG TTAATCTCTTTTCTGTGATTGTAGTCATAGCTTAACCTCAAATATTCAGATACCTGTCTG CCTGCATAATGTTTTCATCTAACAATATCAATGTGTTCAAATCATTAATACTGTTCCCTT GCTCCACTTTTGTTCCATCATCGGAAGCAATCAACGAGAAAAAACGTACAGGTAAATCCG TGTTATTTTCAAGCTTCAAAAGTTCCAATTCTCTCAATAAGAATAAAGAGTGTGTTGCAA TAAAAACCTGAATACCCTGTTGAGATAAAGACCAAATAATACGGGCAGCCACTTTGATCA CCCCTGTTGCGATTAACCGGGCAATCATGACAAATTTCCGCAAACCCTCTGCTACCAAAG ATACTTTTCCGCCCATCGCGTTCTCAATAGGTTCGAGCAATTCTCGAATTTTTGTTTCTC TGGGGCCTTTGGCAAGCGGGTGATTTAATTGCATACAGGTATCAAACCAAGTTTCTTCGA CATTGACTTGCGATGATGAGTTACTGGAAAAATTCAGACTACTATGCGTAGTGCCGTTTT GCAGTTTTAAAACGATTTCCGTACGCCCGCGCCCCTGCAAACGTTTGCTCAACCTACCCA **AGGAATCGGGACGGAAAACATTCAGTAATTTATCGGCAAAACTTTTTTGCAATTCTGTTT** TCAGTAATCTGTTTTTGGTGTTAGATGTTACTTCTAGCAGGCTGTATAAAATTTTTAACA **AATGTGTTTTGCCACAACCGTTTTCGGCAACAATAACATTGAGATTTTCAGAAAATTCAA AAGTATCGTTTGGAAGAACGGTAAAGTTTGTCAACTCAAGCGACTGGATATATTGGTTAG** ATGACATTTTTAATCCATTTCAATCTTGCTTTAAAATTGTTTCAAACAACCTTTTGTAGA ACAAATATCGTCTGAAACCCTTTCTTTTTCACTCCGGCTTAAACACGCCTGTATCCGTT TTAGGCTGCTGTTCGATAATTTCAACATTTGCCGCTGCTTTCTCCGCTTCTGCTTTTTCA GCTTCGATACGTTTTTTCTCGGTCAGGTATTGGTTGATTTGGTGTACCAATTCCTGCGTG CCTTGGTGGGTCAGCGCACTGATTTGGAAGAGCGCGGGGTTTCCATGTCAAATTGGAAA CGGTCGTCGGGTTTGGGGTAGTCCCAGCCGACGGCTTCGAGGAAGGCGGCAGTGCGCGTT TAGAGTTCTTCGTCGTATTTGCGTAATTCGTTGATGATGGCGAGTGCTTCTTCGGCGGGG TTGACGGTTTCGTCGAAGGGCGCCAAATCGACGACGTGCAGCAGCAGGCCGGTACGTGAT AAGTGTTTGAGGAAACGATGGCCGAGGCCTGCGCCTTCTGCCGCGCCTTCAATCAGGCCG GGGATGTCGGCCATCACGAAGCTGTGGTTTTCGTCGATGCGTACCACGCCTAAGTTTGGA TGCAGGGTGGTGAAGGGGTAGTTGGCGATTTTGGGGCGTGCGGCGGATACGGCGGTAATC AGGGTGGATTTGCCGGCGTTGGGCATACCCAATAAGCCGACATCGGCGAGGACTTTAAGT TCGAGTTGCAGGGAACGGGCTTCGCCTTCTTCGCCGGGGGTGGATTGTTTCGGGGCGCGG TTGACGGACGATTTGAAGTGGATGTTGCCCAAGCCGCCTTTGCCGCCTTTGGCGAGGCAG ACCCCTGTCCGTGATAAGTGAGGTCGGCAACGGTTTCGCCGGTGTCGAGGTCGCGGATA AGGGTGCCGACGGCATTTTGAGGACGATGTCGTCCGCACCTGCGCCGTAACGGTCGGAA CCGTGGCCTTTTTCGCCGTTTTTGGCTTGGTAGCGTTTTAACGAAGCGGTATTCGACGAGG GTGTTGGTGTTTTCGTCGGCTTCTGCCCAGACGCTGCCGCCTTTGCCGCCGCCGCCG TCCGGGCCGCCGCGCGTACGAATTTTTCGCGGCGGAAACTGGTTGCGCCATTACCGCCT

TTGGTTTCAAATGGGGGGTTCAGACGGATTACCGTGTGTTTTGATGCCGTCCGAACAGAA TTTCGGACGCTATTATAAGGGATAAGCGGTATTTCAACACGCCGTACCCAAACTATTTGT CTTCTTTGGTACAATCGCGCCTTTTTGACATTCCGACCCGACGGAATGTCCGTTCAAACC GTTACATATAATAAGTTTTTTATGAACACAAACCAACCTGCCGTTTACGACCCGTTGACA CGCGCGCTGCACTGGCTGACCGTTGCCGGCTTCATCGGCATTCTGACCACCATTGTCCTG TGGACGATTTATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTAC AAATAGTACGGCAAGGCGAGGCAACGCCGTACTGGTTTTTGTTAATCCACTATACGAAGA GGCGGAATGGGTGGGCAGCCTGTTCGGCCTGCACAAATCTTTCGGTTTCCTTACGCTGAC GGTGATTACATTGCGCATCGTGTGGGCGGTTGCCAACCGCGCCAAGCGTCCGCAAAGCGA TATCGGCATGATCCGCCAATACGGCAGCGGCCGGCCCGTTGAAAGTGTTCGGCGTTGA AGTGATGCAAGGGTTCGCCGGAAAAAATCGAGTGGATGGCAAACTTGGGCAACACGTTCC ACGGCAATTTGGGCTTGCTGCTGTTTGCCGCCGTCGCCGGACACGTCGCCATGGTCGTCG CCCACCGTGTTCAGGGTAGAGATGTTCTGTGCCGCATGACGGGTCGTGTCCGCTGATTCC GTTCACACTATGGTGCCGGCTCGTCCGGCACTATTTGTTTTTCCAAGACAGAGCCAGATC GTACAAAGCTTTCTTTCCCTCGCCCGTGATTTTGGCAGCAAGCTCCGCCGCCTGTTTGGT CGGCAGCTCGGCTGTGAGGATTTTCATGATGTTTTGCGCGGGACTCGGACAAGCCTTCGTG TTTTTCATCCTGCGCCGGATAAAGCACCAACACCATCTCGCCGCGCGATTGGTTGCCGTC GGCAGACAATGCCGTCTGAATTTCCCCAACCGTGCCGCTTAAGAACGTTTCAAACGTTTT CGTAATTTCGCGCGCCAGCATTAATCGGCGTTCGGGGAACAGTTCCGCCATATCGGCAAG TTTGGCAAACAGTTTCCTGCGTTCTCCCGATTTCGGCGGTACAAAACCGTTGAAATAAAA ATCGGATCCTTCCACACCGGCCACGCTCAAAGCCGCCATCACCGCGCTTGCGCCCACGAC CACGGCCGGCGTACCCGCATCGGAAACCTGTGCCACAACCATGCCGTCTGAAAGATAGCC GACAATCTTGTCCGCCATCTGCCGTTCGTTGTGTTCGCGCACACTGACGAGTTTGCCCTG AATGCCGTACGCGCTCAAAAGCTGTGCGGTAACGCGCGTGTCTTCGGCACAGATGATGTC CGCCTTTTGCAATACCGCCAAAGCGCGCAGGGTAATGTCCGCCAAATTGCCGATGGGCGT GGCAACCACGTATAATGTCCCTCCGACGACGCTGTCGGAGGCTTTCTGCAAATGTTTCTG AAACATAAGAATGCCGTCTGAAAAACAAACATTATAAAGGTTAAACCGATTATGCGCCTA AACCACAAACAGGGGGAGGGAAGATGCCGCGCTTGCCTTCCAATCCCAAGGC TGCACGCTGCTTGCCCGCAACTGGCACTGCGCCTACGGCGAAATCGACCTGATTGTCAAA AACGGCGGCATGATTCTGTTTGTTGAAGTAAAATACCGCAAAAATCGGCAATTCGGCGGT GTCGCATACAGCATTTCCCCATCCAAATTATTGAAACTGCAACGAAGTGTAGAGTATTAT CTGCAACAGAACAGGTTGACAAACGTACCGTGCCGCCTCGATGCGGTACTTATCGAAGGC AGCCGCCCGCCGAGTGGATACAGAATATTACAGGTTGACGATATGACGACATTACAAGA ACGCGTTGCCGCCCATTTTGCCGAAAGCATCCGTGCCAAGCAGGAAGCCGGAAAAGTATT AATCCTGGCCTGCGGCAACGGCGGTTCGGCTGCCGACGCGCAACACTTCGCCGCCGAAAT GACCGGCCGTTTTGAAAAAGAACGCATGGAACTCGCCGCTGTCGCGCTGACAACAGACAC TTCCGCGCTGACAGCCATCGGCAACGACTACGGTTTCGACCACGTATTCAGCAAACAGGT GCGCGCGCTCGGACGTGCAGGCGATGTATTGGTCGGCATTTCCACCTCCGGCAATTCCGC CAACGTCATCGAAGCCGTCAAAGCCGCACACGAACGCGATATGCACGTCATCGCCTTGAC CGGCCGCGACGCCGAAAATCGCCGCCATACTCAAAGACACCGACGTTTTGCTCAACGT TCCCCATCCGCGCACCGCCCGTATTCAAGAAAACCACATCCTGCTGATACACGCCATGTG CGACTGTATCGACTCCGTACTGCTGGAAGGAATGTAACCCTTTTCAGACGGCATGGCGCA AAGCAATGCCGTCTGAAACGCCCAAGAAAGGAAGCACCCGATGAAACCCAAACCGCACAC CGTCCGCACCCTGATTGCCGCCATTTTCAGCCTTGCCCTTAGCGGCTGCGTCAGCGCAGT AATCGGAAGCGCCGCCGTCGGCGCGAAATCCGCCGTCGACCGCCGAACCACCGGCGCGCA AACCGACGACAACGTTATGGCGTTGCGTATCGAAACCACCGCCCGTTCCTATCTGCGCCA AAACAACCAAACCAAAGGCTACACGCCCCAAATCTCCGTCGTCGGCTACAACCGCCACCT GCTGCTGCTCGGACAAGTCGCCACCGAAGGCGAAAAACAGTTCGTCGGTCAGATTGCACG TTCCGAACAGGCCGCCGAAGGCGTGTACAACTATATTACCGTCGCCTCCCTGCCGCGCAC TGCCGGCGACATCGCCGGCGACACTTGGAACACATCCAAAGTCCGCGCCACGCTGTTGGG CATCAGCCCCGCCACACAGGCGCGCGTCAAAATCGTTACCTACGGCAACGTAACCTACGT TATGGGCATCCTCACCCCGAAGAACAGGCGCAGATTACCCAAAAAGTCAGCACCACCGT CGGCGTACAAAAAGTCATCACCCTCTACCAAAACTACGTCCAACGCTGACTCGGCAATGC CGTCTGAACCGCCTTCAGACGGCATTGCCCGACACCCCAAAAGCACAATCAAAATGGCAA AAAAACCGAACAAACCCTTCAGGCTGACCCCCAAACTCCTGATACGCGCCGTATTGCTCA TCTGTATCGCCGCCATCGGCGCATTGGCAATAGGCATCGTCAGCACATTCAACCCGAACG GCGACAAAACCCTTCAAGCCGAACCGCAACACACCGACAGCCCCCGCGAAACCGAATTCT GGCTGCCAAACGGCGTAGTCGGACAAGATGCCGCCCAACCCGAACACCACCACGCCGCCT CATCCGAACCCGCACAGCCGGACGGCACAGACGAAAGCGGCAGCGGACTGCCGTCCCCTG CCGCACCCAAGAAAAACCGGGTCAAACCGCAACCTGCCGACACAGCTCAAACCGACAGGC AGCCGGACGACGCCGGAACACAAGCTGAAAACACACTCAAAGAAACCCCCGTACTGCCCA CAAACGTCCCCGTCCCGAACCCCGAAAAGAACACCCGAAAAACAGGCGCAGCCCAAAG AAACGCCCAAAGAAAACCATACCAAACCGGACACCCCGAAAAAACACGCCGCCCAAACCCC GAAGCATTATGAACGGCATCATCATCAAAACCCCCGAAGAAATCGAAAAAATGCGCGAGC TGGGCAAACTCGTCGCCGAAGCCCTCGACTACATCGGACAATTCGTCAAACCCGGCGTAA CCACCGACGAAATCGACAAACTCGTTTACGACTACCACGTCAACGTCCAAGGCGGCTATC CCGCCCCCTGCACTACGGCAACCCGCCCTACCCCAAATCCTGCTGCACCTCCGTCAACC ACGTCATCTGCCACGGCATTCCCGACGACAAGCCGCTCAAAGAAGGCGACATTATCAACA

TCGACCTCACCATCAAAAAAGACGGCTTCCACGGCGACTCCAGCCGTATGTTTACCGTCG GCAAAGTCTCCCCCATCGCCCAACGCCTGATCGACGTAACCCACGCCTCCATGATGGCGG GCATAGAAGCCGTCAAACCCGGCGCGACACTGGGCGACGTAGGTTACGCCTGCCAACAGG TTGCCGAAAACGCCGGCTATTCCGTCGTACAGGAATTCTGCGGACACGGCATCGGGCGCG GTTTCCACGAAGCCCCGCAAGTGTTGCACTACGGAAAAAAAGGACAGGGCCCCGTTCTAA AACCGGGTATGATTTTTACCGTCGAACCGATGATCAACCAAGGCAAACGCCACCTGCGTA TCCTCAACGACGGCTGGACGGTGGTTACCAAAGACCGCTCCCTCTCCGCCCAATGGGAAC ACGAAGTCTTGGTGACCGAAACCGGCTACGAAATCCTCACCGTCAGCCCCGCCTCCGGCA CAGATATGATATATAAAAAAACAGGCTTGACCCGGCACATTACGAAAACAAAGCAAA TCGGAATTTGCCCCGCAACCAGACAAACTTAAAGGAAGTTTTATGAAAATATTTGAAAAT ATAGAAGATGTTAAAGCCATCCGTAAAAAGACCGGGCTGAACCAGATAGACTTCTGGGGC AAGGTCGGCGTTACCCAGTCCGGAGGATCGCGCTACGAAACCGGCCGCAAAATGCCCAAA CCCGTACGCGAACTGCTCCGCCTCGTCCATATCGAATGCATCGATTTGGCGAAAGTCAAC AAAAAAGATATGGAAATCGCCGCCCTGTTGAAAAAACACCATCCCGACCTGTATGCCGAG TTGTCCAAACAGACCAAGTCCGAAAGAAAAAAAAAAGTTAAACCGCAACCTCCGGATGC CCGACAGTTTTTCATTTCCGAAAAACGCAAACAATGCCGTCTGAAACACCGGACAGGTCG CCGTATCCCGCCTGCCCCCCCCCCCAAACCGCCGAACCGCCCGAACCCGCCTTTTTAC **AAACTTTATCCAATTTCCTGTTTATTTCGGGATACGCCGACATTAGAATGTCAAACAGCT** CGAAACGGGCAAACTCCACATCCATCCAAAGGAATAAAAATGAAACTTCTGACCACCGCA ATCCTGTCTTCCGCAATCGCGCTCAGCAGTATGGCTGCCGCCGCTGGCACGGACAACCCC ACTGTTGCAAAAAAACCGTCAGCTACGTCTGCCAGCAAGGTAAAAAAGTCAAAGTAACC TACGGCTTCAACAAACAGGGTCTGACCACATACGCTTCCGCCGTCATCAACGGCAAACGC GTGCAAATGCCTGTCAATTTGGACAAATCCGACAATGTGGAAACATTCTACGGCAAAGAA GGCGGTTATGTTTTGGGTACCGGCGTGATGGATGGCAAATCCTACCGCAAACAGCCCATT ATGATTACCGCACCTGACAACCAAATCGTCTTCAAAGACTGTTCCCCACGTTAATCAGGC **AACAAAAAACAGCGTTTTCAGAAATGAAAACGCTGTTTTTTTGACCGTTCCATTATTCAC** AAAAGGGAAAAAACGATTACCTGCCCCGTGTATCAAAACCTGCCCTGCCGGATGAAGGGC **ATAACCGGCAGGGACGGCGTCAACACCATATGGGGGTACGGCTTTTCTTGAAAGATTCGG** CTTAAATATCCAATACTTTCGCGGTATAGGCGATAATTTCATCCGCCCTTTCAGGGTTTT CGTTCAACTTGATGCCGTAACCCGGTACCAGCTCTTTCAGACGGTCTTCCCAAGACGGG CGCGCTCGGGGAAGCATTGGTGCATCAGCCGGATCATCAGCGGCACAGCGGTCGATGCGC CCGGCGACGCCCCAGCAATGCGGCGAGTGAGCCGTCGGCGTGGGCGACAATCTCCGTAC CAAACTGGAGCACGCCCTTTTTCGGAGTCTTTTTTAATGATTTGGACGCGTTGCCCTG CGGTGATGAGTTCCCAGTCGTCGGGGTTTGCCTCGGGGTAGTATTCCAGCAGGGAGGCGA AGCGTTCTTCTTTGGTTTTACGCAATTCGCCCAGCAGGTATTTGGTCAGCGGCATATTCG TAAGCGAGCCTTGCTTGAGGAAGTTGGAACGGAAGCCTGCGTAAGGGCCGAACATAAGGT CGGAAGCCTGCCCGTACACTTTGGCGTTGTTGTTCTCGGCGGTTTCGGGGTTGCTGTTGC GGAAGAACAGGCCGGACACGGGGAAGCCGCCGTAGCCTTTGCCTTCGGGGATGCCGGATT TTTGCAGCAGGGTCAGCGCCGCCGCCGCCGCGGGGAAGAGGGAAGCGGGTACGGAGGG TGAGCTGCCCGTCGGGGTTGCGGGTATCGGCGGTTTTGAGCACCCACGCGCCGTCGGATT CGCGTTTGATGTCTTCGACGTGGCGGTTGAACTCGGTTTTTACGCCCTTGCCCTGCAAAT ATTTCACCATTTGGCGCGTCAGCCGTCCGAAATCGACATCCGTACCTTCGGCGGAGTAGT TGGCGGCGACGGTTGGTTTCGTCCCGGCCGCGCATCATCAGCGGAGCCCAATCGGAAA TTTTGTTCCGATCGGTGGAAAATTCCATATTTTCAAAAAGTTTTTTGGGTTTTAAACGCGT CGGCATTGATGAAGGAATTGTCTTCCAACTTGCCTTCCGCGACCAGCGTCGCCCAAAACT TTGCACCCAACGGCGCATAGTTCAATTCGCACAGCGCGGAATGCCCCGTGCCGGCGTTGT TCCACGCGTTTGACGATTCCAACGCCACATCTTCCAAGCGTTCAATCAGGGTGATTTCCC AAGACGGTTCGAGTTCTTTGAGCAAAACGCCCAAAGTCGCGCTCATAATGCCGCCGCCCA CCAAGACAACGTCTGTCGCTTCAGCCATGGTTTACTCCTAAAAAACAGGCATCTTCTGCC CTTATGGTTATTTGCCGTACTACAAACGCCTGAATCGCAAAAGCAGGGAAAACCGGCAAT GGTGTGTGTCCGAGTATGCTGTTTCGGGGTTGGAATGCGTTGCAAGCATGGCTTCCGACA CCGCTTCAGGGGCTTGTAATATGTTATCGTGAATGTAGTGGATTTTACTGGGAAATGCAA AGTTTTTCTGTCGCCCGCCAAGTCGGGAAACTGCGAAATGAAAAATAAAATAGTTATTT ATCTATATATATCAAATTTTTAATAGATAAAAAATCAAAATTGTTTATATATTAATTTTT AAAAGATTGTCAGCATATTGCGTTAAGTTTTTTATAGTGGATTAACAAAAATCAGGACAA GGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTCAGCAC CTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCTGTACTGGTTTTTGTTAATC CACTATAAATTTGAAAATACTGCCTCACACCTGCACGCCATACCCTGCCAACCTGCCGGT CAGGATTTCCCTGTTTTTGCACCAATCTTCCCTCAGCATACTGTACACGACCGTATCGCG CACACTGCCGTCTTTACGGAGCATATGCATACGCAGCACGCCGTCTTTTTCCGCACCCAG CCGTTCGATGGCACGTTGCGAGGCAAGGTTCAGAATATCCGTGCGCCATCCCACGCAACG GCAAGCCAAAACATCAAATGCGGAATCCAACAGCATGATTTTGCAACAGGTGTTTATCCG TGTCCGCCGTGCCGATGCCGCATACCATGTGAATCCGATATCCAAACGCGGAATCTGCGG TTCAAAATGATAATACGCCGTTGTCCCGACCACCCTGCCCGCCTCTTCATCGACAACCGC AAACGCCAAACGCGTTGCCAATGCTGTCCCGATATAGTCTGCCACCCTATCCGGATGGGG CGCGGACGTTACCCCCAGCTTCCAAACCTCCCCATCGCAAACCGCCTCGCGCAAACCCGT TTCATGATGCACATCCAACGGTTCGAGACGACGCCCCCAACGACAAGACCGGCAGTAT TATCTTTTCCGACATCCTTTTCTCCCAATATTCCGCCTTCAGACGGCATTTCCGCCCGGA ATGCCGTCTGAACGGCTAAAAACACAATATCCCCGCCTCCGACACAAAACCGTCCAAAGA

GGTTTTTGCCTGCAAACGGTATTTCATCGCTGAAAGCGTCGCATCGTAATAGCCGCCTGC CTGTCCCAAGCGGTAGCCCAGCCTGTCCATACCGACCACTGGCACAAGCAGGAGGTTCAA ATCATGCACACGCTTTTTCCGACCTGCAAACTGAGGGACATGCAGCTTCGCCCTACCGCG CTTGCGTTCTTGTTTTACTCCATCGGCAGGATACGGCGTAAACCACATCCGCCGCGAACG CGGTTCGATATAAGGCAGGTAGAGTTCCGCACCGCGTTTTTGCGCCGCGCGGACAAAGCC GTCCAAACGCAATTCCTTGCCCATCGGCCAATACACGCCGATTTTCCGCCCTTTTTTAAT TTGCGAACGCCGCCGCGCAATTCGCGGCGCAGGGCGCGTTTTTCCTCGTTCCTCATTTC AGACGGCCTTTCAGGATTGCGGTAGAATGTTGCGATTATAACGATTTTGTTAACATTCAA ACAGGACGCACACAATGTGGCACATCGTCGCCATCGGCTATCTTTTTGTTGCCGTTATGT TGCCCACCGTGTTCACGGTTTTCACCATTACCGTCCGCCGCCGCAACCACCTGATGAGGC AGCAGGAACAGGCGGAATCCGAACAGCAGCGCGCACAACGGCAAAAAGACAGCGGCACAA AACCCTGAATCCCTTTTCAGACGGCATCTTATCCGCTATAATCCGTCAGTTTTCCATTTC GGAAACACACTATTTTTAAAACTTATGCCCACTTTCGCCGAAGGGTGCTTGACAATAGG CGTGACCTATCAAGTTCTATGCGATTGAATGTGTGCTCTTAACCCTTTCAAGGAAATAAA ATGTCTCAAATTACTATGCGTCAGATGATGAAGCCGGTGTTCACTTCGGCCACCAAACC CGTTTCTGGAACCCGAAAATGGCACAATACATTTTCGGTGCGCGCAACAAAATCCATATC GTCAACCTGGAAAAAACCCTGCCGATGTTCCAAGACGCGCAAGAAGCCGTACGTCGTCTG GTTGCCAACAAAGGTACAGTATTGTTCGTAGGTACCAAACGCCAAGCCCGCGACATCATC CGCGAAGAAGCGACCCGCGCCGGTATGCCTTTCGTCGATTACCGCTGGTTGGGCGGTATG CTGACCAACTACAAAACCGTTAAGCAATCCATCAAACGCCTGGAAGAAAAAACCGCAGCC TTGGAAAATGCTGCCGAAAGCGGTTTCAGCAAAAAAGAAATTCTGGAAATGCAACGCGAT ATTTTCGTTATCGATACCGGCTACCAAAAAGGTACTCTGGTTGAAGCTGAAAAATTGGGC ATCCCTGTTATCGCCGTAGTCGATACCAACAACAGCCCCGACGGCGTGAAATACGTTATC CCCGGCAACGACGACTCCGCCAAAGCCATCCGCCTGTACTGCCGCGGCATCGCTGACGCA GTTTTGGAAGGCAAAAACCAAGCGCTGCAAGAAACCGTAGCCGCTGCCCAAGAAGCCGCT GCCGAGTAATCCGGCAAACCGAAGAGGGGCGTTATGCCCCTTTTCTCAAATATGCCGTCT GAACGTCCGTTCGCGGCACACGATTCCCGAATGCGGAAAATCCTTTCCGTATTTCCCAAA **AATCTAGGAGATTCAAAATGGCAGAAATTACTGCAAAAATGGTTGCCGACCTGCGCGCCG** CTACCGGCCTGGGCATGATGGAATGCAAAAAAGCCTTGGTTGAAGCCGAAGGCAACTTCG GTACCGCTGCCGAAGGCGTATTGGCTTACGCGATCAACGGCAATGTCGGCGCATTGGTCG AAGTAAACTGCGAAACCGACTTCGTTGCTAAAGACGCGGGCTTCGTAGAATTTGCCAACT TCGTTGCGAAAACTGCTGCCGAGAAAAACCGGCTTCTGTTGAAGAACTGAGCGAACTGG TCCAAGTGATCGACACTGCCAACCAACTGGTTGCCTACATCCACGGCGCATTGGCGACCG AAGGCGTATTGGTTGAGTACAAAGGCTCTGAAGACGTAGCACGCAAAATCGGTATGCATA TTGTTGCCGCTAAACCACAATGCGTAAGCGAAGCCGAAGTAGATGCCGAAACCGTTGAAA AAGAACGCCACATCTACACCGAGCAAGCCATCGCTTCCGGCAAACCTGCCGACATCGCCG CTAAAATGGTTGAAGGCCGCATCCGTAAATTCTTGGCTGAAATCACTCTGAACGGCCAAG CATTCGTGATGAACCCCGATCAAACTGTTGCCCAATTCTCTAAAGAAAACGGCACTGAAG TGATCAGCTTCGTACGCTACAAAGTAGGCGATGGTATTGAGAAAAAAGCCGTCGATTACG TTCCAAACGAATCAGGGTGCTTTTTTTTGAGAAAACCGTTTACGGTACCTATTTTAAGAC GACCGAATATTCAGACCGTCTTAAAACAAAACAATAATAAACCGACACACCCTATCATTA AGGTATCCATGACACAGCAAATCAAATACAAACGCGTATTACTGAAACTCTCCGGCGAAT CCCTGATGGGTTCCGATCCGTTCGGCATCAATCACGATACCATCGTTCAAACTGTCGGCG **AAATTGCCGAAGTCGTTAAAATGGGCGTGCAAGTCGGTATTGTTGTCGGCGGCGCAATA** TTTTCCGGGGCGTATCCGCCCAAGCAGGCAGCATGGATCGCGCCACCGCCGACTACATGG GCATGATGGCGACCGTGATGAACGCGTTGGCACTCAAAGACGCATTTGAAACTTTAGGCA CCAAAGCCATCCAATATTTGGAAGAAGGCAAAGTCGTGATTTTTGCCGCCGGTACCGGTA ACCCGTTCTTCACGACCGACACTGCCGCCGCATTGCGCGGTGCGGAAATGAACTGCGACG TGATGCTCAAAGCCACCAACGTCGACGGTGTGTACACCGCAGACCCGAAAAAAAGACCCGT CCGCCACGCGCTACGAAACCATTACTTTTGACGAAGCCTTGTTGAAAAACCTCAAAGTCA TGGACGCGACCGCTTTCGCCCTCTGCCGCGAACGCAAGCTCAATATTGTCGTCTTCGGCA TCGCCAAAGAAGGCTCGCTCAAACGCGTCATTACCGGCGAAGACGAGGGAACGCTGGTTC ACTGCTGATTGACCATAGTGTCGGCAGATATAGTCGCATATGGGCTTCAGACAGCCATTT ATTATATGGAGATTATAGTGGATTAAATTTAAACCAGTACGGCGTTGCCTCGCCTTGCCG TACTGGTTTAAATTTAATCCACTATATTTACAATTTTGATACAATTTGTTTTTCATCAAA CCGCCTGCGGGACACTGACAGGTATTCCATCGCATGGCGGAGGTAAACGCTTTGCGGTCG AACAAGAACTTGTGGCCGCTTCTGCCAGAGCTGCCGTTAAAGACATGGATTTACAGGCAT TACACGGACGAAAAGTTGCATTGTACATTGCCACTATGGGCGACCAAGGTTCAGGCAGTT TGACAGGGGGGTCGCTACTCCATTGATGCACTGATTCGTGGCGAATACATAAACAGCCCT GCCGTCCGTACCGATTACACCTATCCACGTTACGAAACCACCGCTGAAACAACATCAGGC GGTTTGACAGGTTTAACCACTTCTTTATCTACACTTAATGCCCCTGCACTCTCTCGCACC CAATCAGACGGTAGCGGAAGTAAAAGCAGTCTGGGCTTAAATATTGGCGGGATGGGGGAT CAGACCGTATTTTCCTGCGCGGCATAGACGTTGTTTCTCCTGCCAATGCCGATACAGAT GTGTTTATTAACATCGACGTATTCGGAACGATACGCAACAGAACCGAAATGCACCTATAC AATGCCGAAACACTGAAAGCCCAAACAAAACTGGAATATTTCGCAGTAGACAGAACCAAT

AAAAAATTGCTCATCAAACCAAAAACCAATGCGTTTGAAGCTGCCTATAAAGAAAATTAC **GCATTGTGGATGGGGCCGTATAAAGTAAGCAAAGGAATTAAACCGACGGAAGGATTAATG** GTCGATTTCTCCGATATCCGACCATACGGCAATCATACGGGTAACTCCGCCCCATCCGTA GAGGCTGATAACAGTCATGAGGGGTATGGATACAGCGATGAAGTAGTGCGACAACATAGA CAAGGACAACCTTGATTCACACTACCATAACCGCTTGCTACCAAGGAAAACAAAATGAAT TTGCCTATTCAAAAATTCATGATGCTGTTTGCAGCAGCAATATCGTTGCTGCAAATCCCC ATTAGTCATGCGAACGGTTTGGATGCCCGTTTGCGCGATGATATGCAGGCAAAACACTAC GAACCGGGTGGTAAATACCATCTGTTTGGTAATGCTCGCGGCAGTGTTAAAAAGCGGGTT TACGCCGTCCAGACATTTGATGCAACTGCGGTCAGTCCTGTACTGCCTATTACACACGAA CGGACAGGGTTTGAAGGTGTTATCGGTTATGAAACCCATTTTTCAGGGCACGGACATGAA GTACACAGTCCGTTCGATCATCATGATTCAAAAAGCACTTCTGATTTCAGCGGCGGTGTA GGATATGACGGGCCGCAAGGCAGCGATTATCCGCCCCCGGAGGAGCAAGGGATATATAC AGCTATTATGTCAAAGGAACTTCAACAAAAACAAAGACTAATATTGTCCCTCAAGCCCCA TTTTCAGACCGTTGGCTAAAAGAAAATGCCGGTGCCGCCTCTGGTTTTTTCAGCCGTGCG GATGAAGCAGGAAAACTGATATGGGAAAGCGACCCCAATAAAAATTGGTGGGCTAACCGT ATGGATGATGTTCGCGGCATCGTCCAAGGTGCGGTTAATCCTTTTTTAATGGGTTTTCAA GGAGTAGGGATTGGGGCAATTACAGACAGTGCAGTAAGCCCGGTCACAGATACAGCCGCG CAGCAGACTCTACAAGGTATTAATGATTTAGGAAAATTAAGTCCGGAAGCACAACTTGCT GCCGCGAGCCTATTACAGGACAGTGCTTTTGCGGTAAAAGACGGTATCAACTCTGCCAAA CAATGGGCTGATGCCCATCCAAATATAACAGCTACTGCCCAAACTGCCCTTTCCGCAGCA GAGGCCGCAGGTACGGTTTGGAGAGGTAAAAAAGTAGAACTTAACCCGACTAAATGGGAT TGGGTTAAAAATACCGGTTATAAAAAACCTGCTGCCCGCCATATGCAGACTTTAGATGGG GAGATGGCAGGTGGGAATAAACCTATTAAATCTTTACCAAACAGTGCCGCTGAAAAAAGA AAACAAAATTTTGAGAAGTTTAATAGTAACTGGAGTTCAGCAAGTTTTGATTCAGTGCAC AAAACACTAACTCCCAATGCACCTGGTATTTTAAGTCCTGATAAAGTTAAAACTCGATAC ACTAGTTTAGATGGAAAAATTACAATTATAAAAGATAACGAAAACAACTATTTTAGAATC CATGATAATTCACGAAAACAGTATCTTGATTCAAATGGTAATGCTGTGAAAACCGGTAAT TTACAAGGTAAGCAAGCAAAAGATTATTTACAACAACAAACTCATATCAGGAACTTAGAC **AAATGAATGAACACAACCTGTTAATTTTCTGTTTAAAAGACAATGTTTCAATTAGTGAAT** ATACTGAAATGGTTGATTGGGCTTATGAAAACATTCAATCTGAAACAGTTGTAGAAATTA CGGAAAATCAAATTATTGAATATCAAAATCGTGGATTATGGGGGCTTGTTTCTGAAATTA CCGATAATTGGTTATTTGGACCAAGTGAGGGGGGGTTGGCTAATAGATAAGGAAAGTATTT TGGCTGTAAAAGAAAATTACAAAATTCAGATTTTTCTACAGAGCCCTTAGTGAAAAATA TTATTCATGTACTTGAATATGCTATAAAGAATGAAAAAACAGTAATTTTTCATTTTTGAA **ACTARTCTAATTTTTAGCAGCCGTAGGTCGGATTCTCGAATCCGATATTTTCCAACAGCG** GCATTTCGGAAACGATAGATGCGTCAAATATTTTTGTCGGATACAAATATCCGACCTACA TCTCTGCGCAGCAAACTTTACAAGATATTAATGAATTAGGAAATTTAAGTCCGGAAGCAC **AACTTGCTGCCGCGAGCCTATTACAGGACAGTGCTTTTGCGGTAAAAGACGGCATCAATT** CCGCCAGACAATGGGCTGATGCCCATCCGAATATAACAGCAACAGCCCAAACTGCCCTTG CCGTAGCAGAGGCCGCAACTACGGTTTGGGGCGGTAAAAAAGTAGAACTTAACCCGACCA AATGGGATTGGGTTAAAAATACCGGCTATAAAACACCTGCTGTTCGCACCATGCATACTT TGGATGGGGAAATGGCCGGTGGGAATAGACCGCCTAAATCTATAACGTCCAACAGCAAAG CAGATGCTTCCACACAACCGTCTTTACAAGCGCAACTAATTGGAGAACAAATTAGTAGTG GGCATGCTTATAACAAGCATGTCATAAGACAACAAGAATTTACGGATTTAAATATCAATT CACCAGCAGATTTTGCTCGGCATATTGAAAATATTGTTAGCCATCCAACAAATATGAAAG **AGTTACCTCGCGGTAGAACTGCGTATTGGGATGATAAAACAGGGACAATAGTTATCCGAG ATAAAAATTCTGACGATGGAGGTACAGCATTTAGACCAACATCAGGTAAAAAATATTATG** CACTAACTCAAGATGAAGTTTTTGTTTTACGAGCTATCTTGAATGAGATATATGCGGGCG TATGTGTAGATTCAAGAGAATTTGAAAATGTATCTGGTGTTAGAAAACATGAAGTAGATA ATTTACAACAACAGTTTGCTGGAATTTATAAAAAAATGACAACTTAACAACCCAAATTTT ATCATGGGTTGGCGACAGGGTTGATGTTAATATGCCTGATGGAGCACCTACTAGTAT GGATAACACGCGTATTATGGCAGCACGTGAAGCAGGAGTAAAAGTGGAAGCGAATGTTCA TAATTTTAATGACCGATTATCATCAAAAGAGAGAATCAGGTTTAAGCATGATGGTATTGA GCCTCAAACTTGGGGAGAAGCTATCCAGCTACGAATTAGAAAGCAAGAAACACAAAAAGG AGTTCCAGAAGGGTGGAGCAAAAGATTTCCTAACGGAAGTATTTATGATGTAAAGGTACT TAGGAAATGATAAAACAAAATAGTTTTGTTCCGTATCCTGAAGCAATGCTTCCTAAAGGA TTTAAATATCCGCAAAGTTATTTAAAATTAGCTCAATCCACTCATGCCATTAACTACGAT GAACAATATTCTTTTCCTTGGTGGTTTGAAAATGCAGAAAGCAATATATCAGAAGTAATT GACATTTATTTTGAAATAACTGGCATTCCAAACCTATTACCTTTTGCTAGAAACCAAGAG TGGGCTGCCTGTTTTGATATTTCAGATAAATCAGGTAATCCTAAAATTATAGTAGTTAAT TTAGATAATACAAAATATTACGAGACTTTTGAAAATTTTGATACTTGGCTAAAAGAAGCT GAAAATGATGGTTGGTAGCAACCGTAGGTCGGATTCTCGAATCCGACATTTTTCAACAGC GGCATTTCGGAAACGATAGACGCGTCAAATATTTTTGTCGGATACAAATATCCGACCTAC ATCTCTGCGCAGCAAACTTTACAAGATATTAATGAATTAGGAAATTTAAGTCCGGAAGCA CAACTTGCTGCCGCGAGCCTATTACAGGACAGTGCTTTTTGCGGTAAAAGACGGCATTAAT TCCGCCAGACAATGGGCTGATGCCCATCCGAATATAACTGCAACAGCCCAAACTGCCCTT TCCGTAGCAGAAGCCGCAACTACGGTTTGGGGCGGTAAAAAAGTAAACCTTAACCCGACC TTAGATGGGGAGATGGCAGGTGGGAATAAGCCACCAAAACCAAGTACGCAGCAACACCCT ACACACTCTGATAACAATATCGGCTTACCTGCCTCATATGTTAAACCTGATACATCTATT TCTCCGACAGGAACAATTCAAGACCGCATCAGATGGACAAAGTCCAAGTTTCCTACTGAG AAATCTTTAAATGGACATTTCAAAGCTCATGGAAAAGAATTTGGCGATATAACCATTGAA

GACTACCAAAAAATGGCGTCTGATTTGTTATCAAAACAGACATCGGACAAGATATTAGGT TATCAGACGGAACATAGACGAGTGCGCTATGATATCAATAACAATATCTATGTTTTGGCC AATCCAAAAACATTCAAAATCAAAACAATGTTTAAACCAAACTTAGGAAAGAAGTATTAT GATGGAGAATTCAAAAAAGACATGGGAAATTGACGGAGAAATATGGCTACATTGTCCTGT TTGCGGAACTGAAGTTATGGACTATGATATCTGTGACGTTTGTCAGTGGCAAAATACAGG AGAAACTAATATAGATGGTGGCCCTAATGAAATGACACTTGCGGAGGCGAAAGAAGCTTA CGCAAAAGGCTTACCAATCAGATAAATAAGCACCTAGAGAAATCAATGATGACGGAATCC AACAATTTTTATTGTTGGCTTGGTTTTGATGAGTTGCCTCAATCTGAGAAAATAAAATTC CTAAGCTATCTTAATATTAAGTATTCATAAAGAAATACAAGATGAAACTGTGAATAGG GTTTATACCGATTGAAAAATAGTAGATAGAGATTAACATGTTAAATGAAATTTTTGAAAT TTATTCGAGACAAGGGGAATCTTTGATAGGAATTGGAATTAGAGAAGCCGCATTACCCGT CCCTATTGCAATAGATATTAAATTTATTATCAATGAGAGAATACTTGTATTGGGGGG AGATATTTATATCAAGAAAGATAATTATTTTTATCAAACATATGATAATTGGTATTACGA AGAGAATGCATACGTATCTTTTGTGTTGAAATTTATCTAACAAAGGAAGCACAAGAATAG ATTTATAGTAAAACATCAAGATGTTGAAAATGCTGGGTTTTAATCCAACCTACACTGACC GGCTCAGATACAGCCGCTCAGCAGACTCTACAAGGTATTAATGATTTAGGAAATTTAAGT CCGGAAGCACAACTTGCTGCCGCGAGCCTATTACAGGACAGTGCTTTTGCGGTAAAAAAAC GGCATTAATTCCGCCAGACAATGGGCTGATGCCCCATCCGAATATAACTGCAACAGCCCAA ACTGCCCTTTCCGTAGCAGAGGCCGCAGGTACGGTTTGGCGCGGTAAAAAAGTAGAACTT ATGCAGACTGTA GACGGGGAAATGGCTGGGGGAAACAAATCATTAAAAATAGGGACACAA TCTGTTGAAAAATCAACCGGTCGTACAATACCTAATAATTTAAAGGAACAATTAGCAATG GAAGAAGTTAAGGCAAACCCACAGGGCAAAACTCCTGCGAGAATACCTCCTATGTCCGAT ACTAAAAATGGTTGGTTAGCAAAAGACGGTTGGGTTAAGCGTGTTCAAAACGTAAACAAA ATTGAAATACATTACATTGAAAACTCAAGAACCGGTGAGAAAACAGATTTTAAGTTTAAG ATGATTTAAATACTAATCCAATCACTGACGAATGGTATATGTCCAATTTTGCCGATAAAC ATATTAAAATTTTGGAAAGTTACGAAGCCTTTGATATTCTAAAACAATTTGTTGATTACA TGATTGAAGAAT ATGATGAAAAATCAGAATATGAAATCATGGAAATATTGAGACAATTAA AATATCAAGCAGATACCAACGAAAAATTTTATACAAATACACAGAAACAGAAAATTGTAG AATTATATAAACAAGAAATTAGTCAGGATATTTTAAATGAAATCTTTAGATAAACTATCA ATATAGAAGGAAATCCTTGGAAAAAATAAAATGATAATCGAACACAATGGAAATATACAT AAAATAGCCAGAATGACTGGAAATAAAAATAATTTTTTAGAAATAATCCTATCAGATATT CATGAAAACATAAAAATCAAACCATTAACTATAAAAGTAAAAGGAGAGAATGTTATAAAT ATCCTTCCTGAGGAAGTTAGTTTTTATGTAAAACAAGGTGTTGATTTAATTTATGAAAAA TATAAACGGAAATTCTTTATCTCCGAAATTTCTTTTTGCCAATCAGATAGCCGGCCTTCA AGTATCTACGCTTTTCTTACATTTCACTTGCTTGAAGATATTATTAAAAATGAATCCCCA TCCAACTACACCTGACTGGCTAATAGCAGGTATGAACCGTGTATTCATATCAATATAAGA AGAGAAGTAACT GATGATGGCAAAGAAGATATGGAAACAGCACGAACAGAATTACTTCCA GGAGGATATGCTTCATCTCTGGTAGTTTGACAGATTTGACCGCTTCATAAACTTAGAACA TTAATTAATGATGATAATGTTTATATGATTGGTTCTAAGGATAGCAAAAGCAAATTCAGA AGGAACATGAATGGCTATTTATGACTTAAACGAAATAGCCGTAGGTCGGATTCTCGAATC CGACATTTTCCAACAGCGGCATTTCGGAAACGATAGATGCGTCAAATATTTTTGTCGGAT ACAAATATCCGACCTACATCTCTGCGCAGCAAACTTTACAAGGTATTAATGATTTAGGAA ATTTAAGTCCGAAAGCACAACTTGCTGCCGCAAGCGCATTATAGGACAGTACTTTTGCGG TAAAAGACGGTATCAATTCCGCCAGACAATGGGCTGATGCCCATCCGAATATAACTGCAA CAGCCCAAACTGCCCTTGCCGTAGCAGAGGCCGCAGGTACGGTTTGGAGAGGTAAAAAAG TAGAACTTAACCCGACCAAATAGGATTGGGTTAAAAATAACGGCTATAAAACACCTGCTG CCCGCCCTATGCAGACGTTGGACGTGAGATGGCAGGAGGAAACAAGCCAGTTGTTAAAT CTATCAGACCAACTACGCGAGATGAATTACGTCAAGCATTGCAAGAACAAGGTTTTAGAC GTACTGGTTCAGATGCGGCTCAATATGAAACATGGAAAGGTCCTGATGGCGTGAAAATAG ATATTCGTCCAAATGGAGAGGTTATAAGAACCCAAAGAGTGCCGCGAACCGATGGTGTAC AGGGAAAATATCCGCAACGACAAGATTATGAAGGCAATCCATTGCCAAATAATCATCATC ATTCTGGATATTTTGTCAAATGAAAAAAAATATTTTTCACAATGTAAGCCTTTATGAAAT **AATCTTTTCCGATAATGGAAATACCCTTACATTATCTTTTACAGATACAATTGAAGGTAA** TTATTTCGGATATATCAAATGCAGTAATATTTTGAATTTAAATTAGATACAAATAATTT CGTAGATTATGAGGATAAGGAAGATAGCTTGTTTCCCTTGTTTATACCCGAAATAGAGCT TGCTGAAACAATTAATTTTGAGCCACTGGGAAAATAGTAACTGCTTTCCCAGCAGCCGTA GCAACTGTATTTTTACCCGACGGGGTAAAAATACAGTTGCTACATCTCTGCGCAGCAGAC TCTACAAGGTATTAATAATTCAGGAAAATTAAGCCCGGAAGCACAACTTGCTGCCGCGAG CATATTACAGGACAGTGCTTTTGCGGTAAAAGACGGCATCAATTCCGCCAGACAATGGGC TGATGCCCATCCGAATATAACAGCAACAGCCCAAACTGCCCTTGCCGTAGCAGAGGCCGC AGGTACGGTTTGGAGAGGTAAAAAAGTAGAACTTAACCCGACCAAATGGGATTGGGTTAA AAATACCGGCTATAAAAAACCTGCTGTTCGCCATATGCAGACTAAGGCGTTAGGTACGGT AGATGAAATTGGCGATACAGTACAGCAGGTTGGGAAACAGGCTAGCGGACAAAAAACCAG CGGTGGTAATCCTGCGATTGATAGCGACCCCTATAGCCCGAGTAGTGTGGCAGCTCGCAT AGAAGCCGGTAAGGCGCGCAGTGATTTACAAATCAAAGACATTTTGAGCAATACTACTCA AAGGAGTAAAACAAAAGGTCCCGCTGTTCAGTATGATAAAGTGGGGGGATTACAATGACGC ACTAAATGATTTTAATAGTCTGAATGTTCGAAATGTACAAACACGTCCTAATGGAACGAT AACGGGCAATTTACCTGATGGGCGTGCGGTTAATGCTCGTAATGATAGTAGTGGTGGAGA

ACCAACACTTGAAATAACAATTAGTAATAACCGAAAAATAAAAATCAGATATGGAAATAC ACGATAAATTATGAAATTAAAAAGCTTAGATTTCCCAACTGGCTATTTCTATTTTGATAA TGCAGCAATAAACTCTGATAAAGTAGAAGTTATAGCAGTTGGTTATAGAAATACGGATAA AACCATAAAATTTTTTTTGAAGATGTTATTCATTTTAGGGTTGTTGATGAATCGTATTT TATAGATACTTTTATGGATTTAATTTCGGAAGATGCAGATAGAGCTTTGCTTCATGAAAA TGGTGGTCAATCTTTTTTGAACTTCTTGATGAGTGTTATGCGGAATGGATATTGAAAGA AAGTTATTTTCCTTTGAATAGAGAATTCTTTAAATACTATATTTTTATGTTTGAGCAAAC ATTCATAGAAATAATTGGTTCTAGTGCAACGTATTCAATTATTGAGGGCTAGCGTAAGAT GAGTAATAAGTTGCCTATCTTTCTTTCAGGCAGCCTGAAAATAAAACTACCCAAGTTGAT GGTGTACCTGTATCAGTGAAGGGAAATTTTGTTGATGGTAAATTTCGCATTGGTACGGCA **ACAATGAAATCATTTTAAATTGAGCTAGAAATGAACCTAGAAAATTATGAAAACATTTTA** ATAAAATTACTTTTTTATCATAACAACTTAGTAAATGAATATTCTTATTTTATTGAAAAT GAAAAACCATTAAATTTTCTAAGCAAAAAAACTTATTTTGAGTTTAATTTTAAATATTTA CACTCAGGGAAAGAACGCTTTGGTTCGTTTATGTGCTGGATAAATACTAATTTAATGGAA GAAATAAATGATTAACGATACACCAATAAAAATTGGTGGGGTAACCGTATGGATGATATT TAAAAACATTCAATCTGAAACAGTTGTAGAAATTACGGAAAATCAAATTATTGAATATCA AAATCGTGGATTATGGAGACTTGTTTCTGAAATTACCGATAATTGGTTATTTGGACCAAG TGAGGGGGATTGGCTAATAGATAAGGAAAGTATTTTGGCTGTAAAAGAAAAATTACAAAA TTCAGATTTTTCTACAGAGCCCTTAGTGAAAAATATTATTCATGTACTTGAATATGCTAT AAAAATGAAAAACAGTAATTTTTCATTTTTGAGACTAATCCAATTTTTAGTAATATTG ATGCAGAGCAAGCAGCATTAGATGCCGCAAACATGGGGAGAAGCTATTCAATTTAGAATT AAAAAACAAATTGAAAATGAACTAGCACCACCAAATTGGTCTACCCAGTTTCCTAATGGT AGTATTTATGATCCTAAGGTAACGAAATGATTATTCAAAATGAATTTAATTTATATCCTA GTAATATGCTTCCTGAAAGGTTTTGTTATCCTGAAAAGTATGTTCGTATCTCTAACGATA CATCTTTAATACCTTATATTCAGCCACATAATTTTCACTGGTGGTTTGAGAATTATGGAA TCCCATTCGCTAGTAATGGAGAATGGGAAGCTTATTTTGATGGTAATGATGTAACAGGAA ATTCTAGGGTTATTGTCATTAATTTAGATAATATAGAAAACCATGAATTTTTTAATAGTT TGAGGCTGCCCTGGACAACTAGGATAAACTCGATTTTACTAATTGTTTTAAAATGGAACA **AGAACTTTTATTTCACTGTTGTTAAAACGCCATTCGCACTCCTTTAAATACAGCTCAAAA** TGCGCTTTGGGAATGCCGTTAAACTTGCGTAAATGACGTTTTGCTTGATTCCAAAAGTTC TGGCTAAATTCGCCCGCATCCAATACATCATAGCCACGATAACAAAATGAGTTTATTTTG TTTATACCGTCTTAGACGACTTTCTCTCATAGGGATAATTCTAACTTAATTTGAATTTCC CTAGTGATCTAGGGCAGCCCCTAAATTAATAAAGCAGCACAACTCCTTTTGCCGATGTTC CGGACTGTCAAACGACTGTTCCTCATGCCACATCTCCATCAAGGTACGGATAACCCGCTC ATAACAAGCTGCACCGAAAGCATGTTGGACGGCTCTTTATATTACCTATCATTGTCAGAG TANACGTACTCAATCAGGTACAAGCAGGGGTCGGACAGATGTTCGGTCAGAAACTTGGCA **GCACTGTCTGCGGTTTTGTCCGGCAAAATGGCAGAGTATAAAAATCGTCAATAGCGACAA ACAGGTAATCTCGTTTATCAGCGGCCTTCTGTCCTTTGAGCAACAACAACCGATCGGTAT** CAGGATGCACAAAACCTCCCGGGGACAACCTGCCTTTTACGGCTTTAAGTGCACGGTAAA TAGTGACGCGGCTGACTTAGTGGCAGCATACTGGGGAGGTGAGTGTTTTTGTGTATATTT TTATTTTGGTATTCCCTTAGAAATACTGTAAACAACGCTACCGGACGGCCTGCAGGGCTT CGCGCACGCTTGCTTTGAGTTCTGCGCCGAAGCGTCTGCCCAAGATTCTGCCGAAATCGT CCTTCGGAGTGTAATCCACCACATCGGGGGCTTTGACCACGTCTCGCGCCACGCTGTAAA TATTGCCGAGTCCGTCCACCAGCCCGACTTTCAGCGCATCCGCGCCTGTGTACACGCGAC CGCTGAACACGTCGGGATATTGTCGGAATTTGAGGCGGCCGCCGCGTCCGGTTTTGACGG CTTTGATGAACTCGCCGTGTATGCCGGTCAGCATTTCTTCCCAGATTTTTGACTGTTCGG GTTTCACGCCGATTTTTTCCATCAGGCCGGTCGCGTCGAAACTGCTGCCGATAACGCCGA TGCTGCCGACGATGCTGGACGGGTCGGCATAGATTTTGTCCGCCGCCGCCGCGATGTAGT AGCAGCCGGACGCGCACATATCTTCCGCCACGAGATAAACGGGAATGCCGGGGTGCTGCG CCTTCAGACGGCGTATTTCTTCAAAAGCGGTGTTGGACACGACGGGCGAACCGCCGGGGC TGTTGGCGCGGATGACGATGGCTTTTGCCTGCGGGTTTTTGTAGGCGGCCTCCATACCGT CTTTGAGTTTTTTGACCTGGTCTTCTACACCGTTGCCGATTTCGCCGTACAGATTGACGA CTGCGGTATGCGGCGTGTTGCCCGCCAACTGCAATGCGGCTTCGTCTTTTCGGAAAATGC CTGCAATCAGGGCAACCAGAATCAGGGTGCTGACGGCGCGCCAGATGTTTTTCCACATCC GCTCCCTGCGCCTGTCCTGATAGGCGGACAACAGCACTTCGCGCATGATGTCGCGCTCCC ATAAGGTTTCCCCCGCATTTTTTGCTTCGGGTGCTTCGTTTTCTCTTCTGATTCGGTATT GCATGGTTTTCCTTAAATATTGTCCGATTTGGGCAAACGGTTTTCAGTTTACCCGATTTT TCAGCTCTGCTCCCAATCCGTCCAAGCTGTGCAACACTTCCGCCCACGCCGCGTCCAAAA GGTTGACGGCTTCTCCTTCGGCTTTGATGCCGAACTCAATGTGCGGTTTGACCTGCGTGC GCTCGATATGCTCCATAAGCGGCGTAATGCGCGATTCGGGCTGCTCAAACACATACACGC TGCGGCTGCCGCGTTCGGTTTGGTTGAAGCGGTCGGCGTAATAAGTTTCCAATACCCATT CCGCCATCGGGTGCGCCATCACAGGAAAGCCGGGGAAGAAATAATGCTCGCGGATAGAAA ATCCGGCGATGTTGTTAAACGGATTGGGCACCAATTCCGCGCCTTCGGGAAAATCTGCCA

TTTTCAGGCGTTGGGCGTGTTCCGGCGAATCAAGCGGCTCGCCGCGTTTCTGGGTTATGC

CTTCGATAAACTTGGCGGCTTCAGAATGGCGGACGACGGCCAAATCCAAAGCAGCGGCTG CGGCTTGGCGGGTGTGGTCGTCGGGCGTGGCGCCGATACCGCCGGTAACGAAAGTTGGCA TGCCGTCTGAAAAGCTGCGGCGCAGTTGCCTGACCAGCAAATCGGGTTCGTCGGGCAGGT ATTGCACCTGAT TGAGCTTCAGCCCTTTGGATTCGAGCAGGGATTTGAAAAAGGCGAAAT GCTTGTCTTGGCTGCCGTGTAAGATTTCGTCGCCGATGATGATGAGGTTGAACGCGT TCATAGATGGTTTCTTTACCGATGCCGTCTGAAAATGTCGATGGTGCTGTGATTTGTTCC CTCTCCCGTGGGAGAGGGTTAGGGAGAGGGTCGAGCTTGCGTTTTTCAGGCAGCGTTTGC GAGGATGGCGTA.AAGACCGTCTGAAAAGATTTTCAGCGAAACGGGCAAAGCTTCTTTTCA GACAGCCTTAACGGCTGACAATGGGTTATATTTATAAGATAATGAACTCCTTTTTTCAAG GAAAGTCGGCATCGCCTTCTCCGGCGGTCTTGATACCTCTGCCGCGCTGTTGTGGATGAA ACTCAAAGGCGCGCTGCCTTATGCCTACACTGCCAACCTCGGCCAGCCCGACGAAGACGA CTACAACGCCATTCCCAAAAAAGCGATGGAATACGGTGCGGAAAACGCCCGCTTAATCGA CTGCCGCGCGCAGTTGGCACACGAAGGCATCGCCGCCATCCAATGCGGCGCGTTTCACGT TTCCACCGGCGGCATCGCCTATTTCAACACCACGCCTCTGGGCCGCGCCGTAACCGGCAC TATGCTTGTTTCCGCAATGAAAGAAGACGATGTGAATATTTGGGGCGACGGCAGCACCTA CARAGGCAACGA CATCGAGCGTTTCTACCGCTACGGTTTGCTCACCAATCCCGCGCTGAA AATCTACAAACCCTGGCTCGATCAGCAATTTATCGACGAACTCGGCGGCCGTCACGAAAT GAGCGAATTTCT GATTGCCAACGGCTTCAACTACAAAATGTCGGTGGAAAAAGCCTACTC CACCGATTCCAATATGTTGGGTGCCACCCACGAAGCCAAAGACTTGGAATTTTTGAACTC GGGCATCAAAATCGTCAAACCCATTATGGGCGTTGCCTTTTGGGACGAAAACGTCGAAGT CAGCCCGGAAGAAGTCAGCGTACGCTTTGAAGAAGGCGTGCCGGTTGCACTAAACGGCAA AGAATACGCCGATCCCGTCGAACTCTTCCTCGAAGCCAACCGCATCGGCGGCCGCCACGG CTTGGGTATGAGCGACCAAATCGAAAACCGCATCATCGAAGCCAAATCGCGCGCATCTA CGAAGCCCCGGGTATGGCGTTGTTCCACATCGCCTACGAGCGTTTGGTCACCGGCATCCA CAACGAAGACACCATCGAACAATACCGCATCAACGGCCTGCGCCTCGGCCGCCTGCTCTA CCAAGGCCGCTGGTTCGACAGCCAAGCCCTGATGTTGCGCGAAACCGCACAACGCTGGGT TGCCAAAGCCGTTACCGGCGAAGTTACCCTCGAACTGCGGCGCGGCAACGACTACTCAAT TCTGAACACCGAATCGCCCAACCTGACCTACCAACCTGAACGCCTGAGTATGGAAAAAGT CGAAGACGCTGCGTTCACTCCGCTCGACCGCATCGGACAGCTCACGATGCGCAACCTCGA CATCACCGACACCCGCGTCAAACTGGGTATCTACTCGCAAAGCGGTTTGCTCTCGCTGGG CGAAGGTTCGGTATTGCCGCAGTTGGGCAATAAGCAATAAGGTTTGCTGTTTTACATCAT TAGCAACTTAAGGGGTCGTCTGAAAAGATGATCCCTTATGTTAAAAGGAATCCTATGAAA GARTACAAAGTCATCATTTATCAGGAAAGCCTGTTGTCCAGCCTGTTTTTCGGCGCGCCA GTTGTAACGAT GGAAAAAGATTTGCGCCGTATGCTGCTGTTTTTCAAACGCGAGGCCTAC GTCGTCATTTTGGAGCGGGATCGTGTTTAAGCTCGGCGTTTATACCTGTCTCGGACTGTT TGCCGGCTGGGTGCTGCTGATCGTGCAACTCTGGTTTTCTTTTCTCGAAGCGGAATT GTTCTTCAAAATCACACTGACTATGGCGGGGCTGTTTGTCATCATCCTCGCCGCCTTACT GGTATGCGGTCAGTATTTTTCCGAAAAGAAAATGAAAGACGACGGGTTTATCAACTGATG CGGACTTGAACCGGACCCGCGCCCAAACATCACAATGCCGTCTGAACGCCCTCGCTTCA GACGGCATCAACATCAATCCTGCTCTTTTTTGCCGGCAAACACGCCGAATCCGCCCTTTT ACTTTCCGGAAACATCCCCGCTGCCATTTTCCGTCCAAGTCCCCTTAAAGCCGTTTCCAT CGATGGCGGCTTTGAATTTTTGCGTACCCATATGCAAATCATCGCCGCTGTCGATAATGC ${\tt CGTCCACAGATTTGCTGCCGAAATCGACTTTTGCGGCAAACCTGCCCCTGGTCGGGTACG}$ GACGGCCGTTTTCCGTATGGAAATGCAGTACTTCGCCGTTGTACACGGCCGCGCCCCCAA GCATTTCGCCTTTTGCCGGTTCGCCTTGAACACGAAGGGCATACGATCCGCCGGGCAATT TTTCCGCCCCGTAAGTCAGATACCGGTAATTCCCTTCGGGCGCGAAGATATTGCCGGAAT GCCCCGTCAGGCTGACCGCTTCCCCATCGACAATCAGCGTATCCGCCTGATTGACGGGAA TCAGCGGCATCTCGGCCGGAAGCGACCGCCTCGACCGTGCAGAACGCCTAAATCGCGCAA TGTCTGCATCACTTAATTTTTCAAATTCTGATTTTAGCTGTACTTCTTCATCCAAGAAAT TATTGCCACTACAAGAATCGCCTTTACAGTGGGTCAACGTTATATTTTGCGACGGCCCGT CAATCAAAACGCCATTAGCCAAATCAACCCTTCCAAAATTGCTACCGCCATTCGCAGGTG CAGGGTTTGACGCGGGGATGGGATCTGAAGAACCGGCGGCTTGATTGTTTCCGGCTTGAT TTGCACCTTGGGCAGCCGTATTGCCGGCATTTTGCCCGCCTGCCGACGGATCGTCCCCCT GCATTCCGTCCGCCGCATTTGCCATATCCGGTTGGTTTGCCGGCTGAGACGATTCCCCGG CATCCGTTGCTTGATTTTCCATATTTCCGGCAAGCATATTCGGATCCGGGGTGTGATTCG GTGTCGAACTATCTGTACCGGCGGCATTTTGCGGCATATCATTTTGTGCCACCTCGTCTT CATTTTTGGGATTATCCGCTGTTACCGCACCGCCATTGCCTGTATTTTCTTCCGAAACCG GCGCATCTTCCTTTGCCTCTGTCTCTTTTTCAGAAACAACAGGGGCGGCAGGTTTTGACA GCGTGTCCGCCGACTTGACATCGGGCGATCCGCCACCGCCGCCCCGCAGGCTGAAAGGG CAAAAATACAAGCCATTGCGATTACGCTGCGTTTAAACATCATCATCTCCTTCATCGTAT TTCCTTTTTGGTTTAAACCCCGCCACTTGGACATCCGTCCTTCGGGGCGGTGGAATCAGC TTTATTTGGGAAGAGCGCAACCTTTCCAAATCAGGGCGACACATAGGGCTGTGCTTTATG TGCCGCCTGTGTGTTGAAACATATTCAATAAATATTGTTTCCGCCGTATGCCTATAAAA TTGTAAAATATGCCGTCTGAACGCCAAACGGGCTTCAGACGGCATAGCTTGGTTTATTC GTTCAGCGCAGTTTCCGCCGAATCCTGAATCACGCCGATAATGAAGCCGACGGCAACCAC -- CTGCATGGCCACATCGTTATCGATACCGAACAGGCTGCACGCCAAAGGAATCAGCAGCAA CGAGCCACCGGCCACACCGGATGCACCGCACGCGCTAACGGTAGCCACCAGGCTCAGCAG

CAGGGCAGTGGCGAAGTCAACCGTAATGCCTTGCGTGTGCGCCGCAGCCATCGCCAAAAC GGTAATGGTGATTGCCGCACCGGCCATATTGATGGTTGCACCCAATGGAATGGAGATGGA GTAAGTGTCTTCGTGCAAACCCAGCTTTTTCGCCAATGCCATGTTCACAGGGATATTGGC CGGGAAAGGGTTGCGGCGGATTTTCCACCACACGATGGCGGGATTGACCGCCAGCGCGAT AAACGCCATACAGCCCAACAGCACTGCAAGCAGCTTCGCGTACCCCGCCAGCGCGCGAA ACCCGTCTCCGCGATTGTGGACGACACCAGCCCGAAAATGCCCAAAGGGGCAAAACGGAT AATCCATT TCACGACGGTGGAAACCGCTTCCGCCAAATCGGCAACGACCTGCCGCGTAAC GTCCGAACCGTGATTCCGCAACGCCGCGCCCAAAACCAAAGCCCAAGCCAAAATGCCGAT ATACTTGGCATTGGCAATCGCGTTAATCGGGTTGGCGACCAGGTTCATCAGCAGCGATTT AATGTGCGTCGGGAAAACCATACCGGCGATGACGGCGGTCAGGGCTGCGGAAAACGTACC GATGAGGTAAAGGACGATAATCGGCCTGATATGCGCCTTGTTGCCTTTTTGGTGCTGCGC GATTGTGGCCGCCACCAAAATAAATACCAAAACCGGCGCGACCGCTTTGAGCGCACCGAC AAACAGGCTGCCGAACAAGCCTGCCGCCAAGCCCAGTTGCGGGGAAACCGAACCGATTAC GATGCCCAACGCCAAACCGGCGGCAATCTGCCTGACCAGGCTGACGCGGCCGATCGCATG AAATAAGGATTTGCCGAACGCCATAATTCTTCCTTATGTTGTGATATGTTAAAAAATGTT TGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAACAGTACGGAAC CGATTCACTTGGTGCTTCAGCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAA CGCCGTACTGGTTTTTGTTAATCCACTATAAGGTTGCGTTGATTTGCCCTATGCAGTAGT GCCGGACAGGCTTTGCTTTATCATTCGGCGCGACGGTTTAATTTATTGAACGAAAATAAA TTTATTTAATCCTGCCTATTTTCCGACACTATTCCGAAACGCAGCCTGTTTTCCATATGC GGATTAGAAACAAAATACCTTAAAACAAGCAGATACATTTCCGGCGGGCCGCAACCTCCG AAATACCGGCGGCAGTATGCCGTCTGAAGCGTCCCGCCCCGTCCGAACAGTGTTAAAATC CCTGCCGGCTTTATTTTCTTTCCGCACGCATACGCGCCTGCCGCCGACCTTTCCGAAAA CAAGGCGGCGGGTTTCGCATTGTTCAAAAACAAAAGCCCCGACACCGAATCAGTCAAATT AAAACCCAAATTCCCCGTCCTCATCGACACGCAGGACAGTGAAATCAAAGATATGGTCGA AGAACACCTGCCGCTCATCACGCAGCAGCAGGAAGAAGTATTGGACAAGGAACAGGCGG CTTCCTCGCCGAAGAAGCGCCGGACAACGTTAAAACGATGCTCCGCAGCAAAGGCTATTT CAGCAGCAAAGTCAGCCTGACGGAAAAAGACGGAGCTTATACGGTACACATCACACCGGG CCCGCGCACCAAAATCGCCAACGTCGGCGTCGCCATCCTCGGCGACATCCTTTCAGACGG CAACCTCGCCGAATACTACCGCAACGCGCTGGAAAACTGGCAGCAGCCGGTAGGCAGCGA TTTCGATCAGGACAGTTGGGAAAACAGCAAAACTTCCGTCCTCGGCGCGGTAACGCGCAA AGCCTACCCGCTTGCCAAGCTCGGCAATACGCAGGCGGCCGTCAACCCCGATACCGCCAC CGCCGATTTGAACGTCGTCGTGGACAGCGGCCGCCCCATCGCCTTCGGCGACTTTGAAAT CACCGGCACACAGCGTTACCCCGAACAAATCGTCTCCGGCCTTGCGCGTTTCCAGCCCGG TATGCCGTACGACCTCGACCTGCTCGACTTCCAACAGGCGCTCGAACAAAACGGGCA TTATTCCGGCGCGTCCGTACAAGCCGACTTCGACCGCCTCCAAGGCGACCGCGTCCCCGT CAAAGTCAGCGTAACCGAGGTCAAACGCCACAAACTCGAAACCGGCATCCGCCTCGATTC GGAATACGGTTTGGGCGGCAAAATCGCCTACGACTATTACAACCTCTTCAACAAAGGCTA TATCGGTTCGGTCGTCTGGGATATGGACAAATACGAAACCACGCTTGCCGCCGGCATCAG CCAGCCGCGCAACTATCGGGGCAACTACTGGACAAGCAACGTTTCCTACAACCGTTCGAC CACCCAAAACCTCGAAAAACGCGCCTTCTCCGGCGGCGTCTGGTATGTGCGCGACCGCGC GGGCATCGATGCCAGGCTGGGGGGGGAAATTCTCGCAGAAGGCCGGAAAATCCCCGGCTC GGCTGTCGATTTGGGCAACAGCCACGCCACGATGCTGACCGCCTCTTGGAAACGCCAGCT GCTCAACAACGTGCTGCATCCCGAAAACGGCCATTACCTCGACGGCAAAATCGGTACGAC TTTGGGCACATTCCTGTCCTCCACCGCGCTGATCCGCACCTCTGCCCGTGCAGGTTATTT CTTCACGCCCGAAAACAAAAACTCGGCACGTTCATCATACGCGGACAAGCGGGTTACAC TTCCGTGCGCGGTTACGAACTCGACAGCATCGGACTTGCCGGCCCGAACGGATCGGTCCT GCCCGAACGCGCCCTCCTGGTGGGCAGCCTGGAATACCAACTGCCGTTTACGCGCACCCT TTCCGGCGCGCTGTTCCACGATATGGGCGATGCCGCCCAATTTCAAACGTATGAAGCT GAAACACGGTTCGGGACTGGGCGTGCGCTGGTTCAGCCCGCTTGCGCCGTTTTCCTTCGA CATCGCCTACGGGCACAGCGATAAGAAAATCCGCTGGCACATCAGCTTGGGAACGCGCTT CTAAACCGATATGGCCACTTCAGACGGCATTGCAGCAAACCATTTTGAAACAGACATTAT GACCGATACCGCACCGACAGATACCGATCCGACCGAAAACGGCACGCGCAAAATGCCGTC TGAACACCGCCCTACCCCGCCGCCAAAAAAACGCCGCCCGTTGCTGAAGCTGTCGGCGGC AGGTTTGCGCTTCGGGCTGTACCAAATCCCGTCTTGGTTCGGCGTAAACATTTCCTCCCA AAACCTCAAAGGCACGCTGCTCGACGGCTTCGACGGCGACAACTGGTCGATAGAAACCGA GGGGGCAGACCTTAAAATCAGCCGCTTCCGCTTCGCGTGGAAACCGTCCGAACTGATGCG CCGCAGCCTGCACATTACCGAAATTTCCGCCGGCGACATCGCCATCGTTACCAAACCGAC CGTCTATCTCGACCGCTTCGAGACGGCCAAAATCAGCATGGGCAAAGCCTTTGACAAACA AACCGTCTATCTCGAACGGCTGGATGCTTCATACCGTTACGACCGCCAAAGGACACCGCCT GAAAAACCGTTTGCCCTCGATACCGCCATTTACACCAAAGGCGGACTCGAAGGCAAAAC CATACACAGTACGGCTCGGCTGAGCGGCAGCCTGAAGGATGTGCGCGCCGAACTGGCGAT CGACGGCGGCAATATCCGCCTCTCGGGAAAATCCGTCATCCACCCGTTTGCCGAATCATT GGATAAAACATTGGAAGAAGTACTGGTCAAAGGGTTCAACATCAATCCGGCCGCCTTCGT GCCTTCCCTGCCCGATGCCGGACTGAATTTCGACCTGACCGCCATCCCGTCGTTTTCAGA CGGCATCGCGCTGGAAGGTTCGCTCGATTTGGAAAACACCAAAGCCGGCTTTGCCGACCG CAACGGCATCCCGTCCGTCAGGTTTTAGGCGGCTTTGTCATCCGGCAGGACGGCACGGT

GCATATCGGCAATACGTCCGCCCCCCCCCCGGACGGGCGGCATCAGGCTGTCGGGCAA AATCGACACCGAAAAAGACATCCTCGATTTAAATATAGGCATCAACTCCGTCGGCGCGGA AGACGTACTGCAAACCGCGTTCAAAGGCAGGTTGGACGGCAGCATCGGCATCGGTGGCAC CCTCGCCATTGCAAGCGACCCAGCAAACGGACAGCGGAAACTGGTGCTCGACACCGTCAA CATCGCCGCCGGGCAAGGCAGCCTGACCGCGCAAGGCTATCTCGAGCTGTTTAAAGACCG CCTGCTCAAGCTGGACATCCGTTCCCGCGCATTCGACCCTTCGCGCATCGATCCGCAACT TCCGGCAGGCAATATCAACGGCTCAATAAACCTTGCCGGCGAACTGGCAAAAGAGAAAATT CACAGGCAAAATGCGGTTTTTACCCGGCACGTTCAACGGCGTACCGATTGCCGGCAGTGC CGACATTGTTTACGAGTCCCGCCACCTTCCGCGTGCCGCCGTCGATTTGCGGCTGGGGCG GAACATTA TTAA AACAGACGGCGGCTTCGGCAAAAAAGGCGACCGGCTTAACCTCAATAT CACCGCACCCGATTTATCCCGTTTCGGTTTCGGACTCGCGGGGTCTTTAAATGTACGCGG ACACCTTTCCGGTGATTTGGACGGCGGCATCCGAACCTTTGAAACCGACCTTTCCGGCGC GGCGCGCAACCTGCACATCGGCAAGGCGGCAGACATCCGTTCGCTCGATTTCACGCTCAA AGGTTCGCCCGACACAAGCCGCCCGATACGCGCCGACATCAAAGGCAGCCGCCTTTCGCT GTCGGGCGGAGCGGCGGTTGTCGATACCGCCGACCTGATGCTGGACGGCACGGGCGTGCA GCACCGCATCCGCACACGCCGCCATGACGCTGGATGGCAAACCGTTCAAATTCGATTT GGACGCTTCAGGCGGCATCAACAGGGAACTTACCCGATGGAAAGGCAGCATCGGCATCCT CGACATCGGCGGCGCATTCAACCTCAAGCTGCAAAACCGTATGACGCTCGAAGCCGGTGC GGAACGCGTGGCGGCAAGTGCGGCAAATTGGCAGGCAATGGGCGGCAGCCTCAACCTGCA ACACTTTCTTGGGATAAAAAAACCGGCATATCGGCAAAAGGCGGCGCACACGGTCTGCA TATCGCCGAGTTGCACAATTTCTTCAAACCGCCCTTCGAACACAATCTGGTTTTAAACGG CGACTGGGATGTCGCCTACGGGCGCAACGCGCGGCTACCTCAATATCAGCCGGCAAAG CGGCGATGCCGTATTGCCCGGCGGGCAGGCTTTGGGTTTGAACGCATTTTCCCTGAAAAC GCGCTTTCAAAACGACCGCATCGGAATCCTGCTTGACGGCGGCGCGCGTTTCGGGCGGAT TAACGCCGATTTGGGCATCGCCAACGCCTTCGGCGGCAATATGGCAAATGCACCGCTCGG CGGCAGGATTACCGCCTCCCTTCCCGACTTGGGCGCATTGAAGCCCTTTCTGCCCGCCGC CGCGCAAAACATTACCGGCAGCCTGAATGCCGCCGCGCAAATCGGCGGACGGGTAGGCTC TCCGTCCGTCAATGCCGCCGTCAACGGCAGCAGCAACTACGGGAAAATCAACGGCAACAT CACCGTCGGGCAAAGCCGCTCTTTCGATACCGCGCCTTTGGGCGGCAGGCTCAACCTGAC CGTTGCCGATGCCGAAGTATTCCGCAACTTCCTACCGGTCGGACAAACCGTCAAAGGCAG CCTGAATGCCGCCGTAACCCTCGGCGGCAGCATCGCCGATCCGCACTTGGGCGGCAGCAT CAACGGCGACAAACTCTATTACCGCAACCAAACCCAAGGCATCATCTTGGACAACGGCTC GCTGCGTTCGCATATCGCGGGCAGGAAATGGGTAATCGACAGCCTGAAATTCCGGCACGA AGGGACGGCGGAACTCTCCGGTACGGTCGGTATGGAAAACAGCGGACCCGATGTCGATAT CGGCGCGGTGTTCGACAAATACCGCATCCTGTCCCGCCCCAACCGCCGCCTGACGGTTTC CGGCAACACCCGCCTGCGCTATTCGCCGCAAAAAGGCATATCCGTTACCGGGATGATTAA CGTCGTATTAGGCGAAGTCAAAAAAGAGGCGGCGCGCACCGCTCCCCGTCAATATGAACCT GACTTTAGACCTCAATGACGGCATCCGCTTCGCCGGCTACGGCGCGGACGTTACCATAGG CGGCAAACTGACCCTGACCGCCCAATCGGGCGGAAGCGTACGGGGCGTGGGCACGGTCCG CGTCATCAAAGGGCGTTATAAGGCATACGGGCAGGATTTGGACATTACCAAAGGCACGGT CTCCTTTGTCGGCCCGCTCAACGATCCCAACCTCAACATCCGCGCCGAACGCCGCCTTTC CCCCGTCGGTGCGGCGTGGAAATATTGGGCAGCCTCAACAGCCCGCGCATTACGCTGAC GGCAAACGAACCGATGAGTGAAAAAGACAAGCTCTCTTGGCTCATCCTCAACCGCGCCGG CAGCGGCAGCAGCGACAATGCCGCCCTGTCTGCAGCCGCAGGTGCGCTGCTTGCCGG GCAAATCAACGACCGCATCGGGCTGGTGGATGATTTGGGCTTTACCAGCAAGCGCAGCCG CAACGCGCAAACCGGCGAACTCAACCCCGCCGAACAGGTGCTGACCGTCGGCAAACAACT GACCGGCAAACTCTACATCGGCTACGAATACAGCATCTCCAGCGCGGAACAGTCCGTCAA ACTGATTTACCGGCTGACCCGCGCCATACAGGCGGTTGCCCGTATCGGCAGCCGTTCGTC CTCCGCCGGAAACGGCAAAGGAAAATAAGCGGTTTTCAGACGGCGCCGCCCAAACCGGA CATTTGAAAACCTGCTTTTCCACCGTCCGCCGCCGCCGTCCGCCTGCAAGGGAACAGAAT CGATATAGTGAATTAACAAAAATCAGGATAAGGCGACGAAGCCGCAGACAGTACAAATAG TACGGAACCGATTCACTCGGTGCTTGAGCACCTTAGAGAATCGTTCTCTTTGAGCCAAGG CGAGGCAACGCCGTACCGGTTTTTGTTAATCCGCTATATTCCGCCATCTCTAAGATTTAC AGCGATACACAGGTAATTTAAGGAATGCCCGAACCGTCATTCCCGCCACTTTCCGTCATT CCCGCGAAAGCGGGAATCTAGGACGCAGGGTTAAGAAAACCTACATCCCGTCATTCCCGC GAAAGTGGGAATCTAGAAATGAAAAGCAACAGGCATTTATCGGAAATAACTGAAACCGAA CAGACTAGATTCCCGCCTGCGCGGAATGACGGCTGCAGATGCCCGACGGTCTTTATAGC GGATTAACAAAAATCAGGATAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGAACC GATTCACTCGGTGCTTGAGCACCTTAGAGAATCGTTCTCTTTGAGCCAAGGCGAGGCAAC GCCGTACCGGTTTTTGTTAATCCGCTATATTCCGCCATCTCTAAGATTTACAGCGATACA CAGGTAATTTAAGGAATGCCCGAACCGTCATTCCCGCCACTTTCCGTCATTCCCGCAAAA GCGGGAATCTAGAATCTCGGACTTTCAGATAATCTTTGAATATTGCTGTTGTTCTAAGGT CTAGATTCCCGCCTGCGCGGGAATGACGATTCATAAGTTTCCCGAAATTCCAACATAACC GAAACCTGACAGTAACCGTAGCAACTGAACCGTCATTCCCACGAAAGTGGGAATCTAGAA ATGAAAAGCAACAGGCATTTATCGGAAATAACTGAAACCGAACAGACTAGATTCCCGCCT GCGCGGGAATGACGGCTGCAGATGCCCGACGGTCTTTATAGCGGATTAACAAAAATCAGG ACAAGGCGGCGAAGCCGCAGACAGTACAAATAGTACGGAACCGATTCACTCGGTGCTTCA GCACCTTAGAGAATCGTTCTCTTTGAGCTAAGGCGAGGCAACGCCGTACTGGTTTTTGTT **AATCCTCTATAATGCGCCCTTCGGCGTGGCGGATATATAAGGAAGTGATTTTCCATCTAA** GTAAAAACCGCCCTATCGGATAAGCCCTTAACAGAAAAGGCTTTACCCGCGCCGTATCGG AAAAACGGCAGCGCGTCGTTTGACAAAGAATGAAAATATCGGTTAAAAAACCGATTTTCAT

ACAAAAAACACCGCTGCCGTCCGCATCCGTTTCAGACGGTATTGAGAGAAAATCTTTTAG GAGAACCTTTATGTCCCGGCATCCCGCCCCCACCGGAGAAAAACATTCTTCGGCCACCC CTTCCAGCTTTC CACCCTCTTCCATATCGAATTGTGGGAACGTTTTTCATTTTACGGAAT GCAGGGCATCCTGCTGATTTACCTCTACTACACCGCCGACAAAGGCGGCTTGGGCATAGA CAAAACCCTCGCCGGCGCATTGTCGGCGCATACAGCGGCAGCGTGTACCTGTCCACCAT TTTGGGGGCGTGGTTTGCCGACCGAGTATGGGGTGCGGAAAAAACCCTCTTCCTCTCGGG CATCGTCGTGATGCTCGGACACATCGTCCTTGCCGCCGCCCCGGGCCTGTACGGCCTTTT AATCGGGCTGAT ATTCATCGCATTGGGCAGCGGCGGCGTGAAATCTACGGCCAGTTCTAT GGTGGGCGCATT ATACGAACAGGACGAAATGCGCCCGCTGCGCGATGCGGGATTTTCCAT TTTCTACATCGC CATCAACATCGGCGGCTTCCTAGGCCCGCTGCTGACCGGCCTACTGCA AAAAGGACAGGGCAAAACTGCGGCCGCCGTCGGCATCGCCCTCATCGCCGCACTTGCAAC CGCCATCAAAAC CGGGCTTGTCAACCTCGACAATTTCTCCGGCATCCTATTATCTACCGT CATCCTTGCCGTCATCGCCTATTTCGCCCGCCTGCTGACCAACCCCCGCGTCAGTTCCGA CAACAAACGGCACATCATCGCCTACATCCCGCTTTTCCTGACCATCTGTATGTTTTGGGC CGTCTGGTTTCA GATTTACACCGTGGCAACCGTCTATTTCGACGAAACCGTCAACCGCAC CATCGGTTCGTTTACCGTGCCCGTCGCTTGGAAAGATTCTATGCAAAGCCTGTGGGTCAT CCTGTTTTCCGGACTGATGGCGCCAATGTGGACAAAAATGGGGCCCAAACAGCCCAAAAC CCCGCTGAAATTCGCTATGGCGGTATTTGTTACCGGCGCGTCGTTTTTGGGATTCGTCCC CTTTATTTCCTCCGGTACGCCGATGCCTATTGCGGTTTTCGCACTGATCGTCCTCGCCAT CACGATAGGCGAACTGATGATTTCCCCGATTGCGCTGTCCATCTCCACCAAAATCGCACC GCCTTTATTCAAAACCCAAATGGTCGCCCTTAATTTCCTTGCCTTTTCATTAGGCTTCAC TTTGGGCGCGTATTGTTTGAAAAAGGCTATCAGGCGGCGACGAAATCGGCTTCTATCG GCTGCTGTTCTACATCGGCGCAGCCACAGGCTTCCTGCTCCTGCTCCTCCAAATT GAACAAAATGCTCGAAGGCACAGACTAAGTCCCGCCCCGATGCCGTCTGAACCCTTCAGA CGGCATTTTTCCGCATAATGAAACCAAACCGTTTCCACCCGACAGGACAGGCTCCCGCCC AACCGGAAGGCAGCCTGCCGATTGTCATTTGAATAACGCAAGGGAAAGCCGTTGATTTCC GTTTGTATGGAAACAGTTTGGTTTCATTGGAAAAAGGCATTTTGTCCGACTAAATTAGTG CTGCATCAACGAAATATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGCAG ACAGTACAAATAGTACGGAACCGATTCACTTGGTGCTTGAGCACCTTAGAGAATCGTTCT CTTTGAGCTAAGGCGAGGCAACGCCGTACCGGTTTTTGTTAATCCACTATAAAAACACAA CCTAAATAAAAATGCCGTCTGAACCATATTTCAGGTTTCAGACGACATTTGCGTGTCGGA TGCACACCGGACAGGCGGTAAGCCGGGTTCTGTCTCGGACAGTCATTCCTCTAGGCATAC CGTTACCGGTATGCTCAAGCAACCTACCCGAACGCTCGGCGGGCAGCGTCATTGCGTTCT GTTTGGTCTTGCTCCGAATGGGGTTTGGCCTGCCGCATATTGTTACCAAATGCGCGGTGC GCCCTTACCGCACCTTTCACCCTTACCTGTGCTGCCAAAGCAGCCATCGGCGGTTTTGC TTTCTGTTCCACTTTCCGTCGCGTTACCGCGCCCGGCCGTTAACCGGCATTCTACCCTGC GGAGCCCGGACTTTCCTCCCCGTATGCCTTACGCGATACGCGGCGACTGTCTGCCCGTCC CGTGTGCGGCGCGGATTATAACACGAAACACAAAAATGCCGTCTGAAACGGTACAGGTTT AAGTCGCCATCCAATACGGCTTTGGTGTTGCCGACTTCGTAGCCTGTACGCAAGTCTTTG ATACGTGAGGAATCCAAAACATACGAACGGATTTGGCTGCCCCAACCTACATCGGATTTA CCTTCTTCCAACGCCTGTTTCTCTTCATTGCGTTTGCGCATTTCCAATTCATACAGTTTG GACTTCAACATTTCCATCGCAGCGGCTTTGTTGGCGTGTTGCGAACGGTCGTTTTGACAT TGCACCACAATCCCCGTCGGCTCGTGGGTAATGCGCACGGCGGAGTCGGTTTTATTGATG TGCTGACCGCCCGCACCCGATGCGCGATAGGTGTCGATGCGCAAATCGGCGGGGTTGATT TCGATTTCGATGGAATCGTCGATTTCAGGGTAAACGAACACGGGGCAAACGAGGTATGG CGTTTGTTGTTCGAGTCAAACGGCGAGTAACGCACCAAGCGGTGAACGCCGGTTTCGGTA CGCAGCAAACCATAAGCGTATTCGCCTTCCACACGGATGGTGGCGCGGTTGATGCCTGCG ATTTCGCCGTCGTCTTCTTCAAGGATTTCGATTCTGAAGCCTTTGCGCTCGGCGTAGCGG GTGATGTCGATAAAGCAGTTGTTCGGGTCGGCGGGCTGGTTGAACATCCGTTTGAACTCC AAATCCGCCATCTGTTTTTCCAGCCCCGCTACGTCTTCCTGCACGGCGGCAAAACCTTCT TCGTCGTTTTCTTCGACGGTCATTTCAATCAGCATGCGGTTGTCTTCGATGCCCGAAGCG **ATGTTGTCGAGCGTCAACACGATGCCTTCGAGGATTTTGCGCTCTTTGCCGATTTCTTGG** GCGCGTTTCGGGTCGTTCCAAAGTTCGGGGTCTTCGGAAAGACCGATAACTTCTTCCAAT CGGTCTTTCTTACCCTGATAATCCATATAAACTCGGATGTCTTCGCTGCGCTTTTCCAAA TCGTTCAGGGTATTGTTGAGCTGGTTGATTACTTCGGCTTCCATGATTCTTTTGTTCTTT TGGAAACACGTTCAGACGGCATAGCGTCAATAACGGTATGCCGCCAGTTTGCGTTTGATT TCAGGCAATGCGGCACGTGCTGCCTCCTCACCCAACCGGATGGCGCGTTTTTTCTGATCG AATCCGCCGACTGCACCCAAATCCAAAACCTGCGGTTTGATAACCACATCCGCCTGCCCC **AACTCATTTTGCAACGCAGAAACGCTCATTACGTTCAGCGTCTGATCGAGATAAGAGAAG** AAACCTTGGCTGATGTTTTTGCCCGGACGGCGGAAATATCGACGGCAATCACGAAATTC GCCCCTGCCGCCGGGCGCACTGACGGGCACGGGCTGCGACAGACCGCCGTCAACATAT GTATGCCTGCCGATGATAACGGGTTGGAACACATTGGGAATGGCGGCGGAAGCGCGCACA GCCTGCCCGGCATTCCCCTGATTGAAAGCGACGGCCTTGCCGGTTTCAAAATCAGTAGCA TAATTTTGCAGCTTTTCGCCTTTGATAAAACCACTGGTGGACAAGGTTAAATCGACCAAA TCGGTTTTGCCTAAAATTTCGGCTTCCAATTCGAGGCGGTCGGGCGACATACCCGATGCA AAAAGGCTGCCGACAATCGAACCTGCCGATGTGCCGGTAACCACCTTCACAGGAATACCG TTTTCTTTCAAAACCTTAATAATACCTACATGGGCAAATCCTTTAGATGCGCCGCCACCG **AGTGCCAAACCGACCACTGCGGCGGGTTTGGCGGTTTGCACCGGCTTGCGGACAGCATTA** TTTCCCGCCGTGCCGCAGGCGCAAGCAACGCGGCGGCGGCGATTGCCAAAAGCGGTCTG

ATTTTTGAAAACGTTACCATATTTTCCATTCCTTTATATATCGCACCCCGTCAAAAAGAG GGATTGCTTTTC TTAACACCCCCCTTTGACAGCCAAGCAAATGGGGGGCTTTGTTAAGTCA TCATCAAAATTAATATTTCTTTTTTTTTTCCTTTACGGAAATTATATTTGAAGGCATACT ATCCAAGGCGGGAATTATCTCACAACACCGCCGTTATCCAAATATCCCGCCTTTTTCCCT TTCTTTCCATCAAAATACTTTCTTTTTATATTCATTAACTTGTTAAATCATTGGCTGCCG GGTGTCAGTTTTTCCGACAAAATCCGTCTAATGGGGTATCAACAGAACCAAAACAGGAAC ACTTATGAAAAT CGGAACAACTTGGCAGACGGCATCCGCTATGCTGGTTTTGCGTCTGTT TGCCGCATATGAATTTTTGGAATCGGGTTTGCAAAAATGGAACGGGGAGAATTGGTTTTC CGAAATCAACGA:TCAGTTTCCATTCCCGTTCAACTTGCTGCCGGACGCGTTAAACTGGAA TCTCGCCATGTATGCGGAGCTTTTGCTGCCCGTATTGTTGCTTTTGGGTTTGGCAACGCG TCTGTCGGCATT GGGGCTGATGGTCGTTACCGCCGTCGCTTGGGCTGCGGTTCACGCCGG TTCGGGTTACAATGTCTGCGACAACGGTTATAAAATGGCTTTAATTTATATCGTGGTATT AATCCCGCTGCTTTTCCAGGGTGCGGGCGGATGGTCGCTGGATACGCTGCTGAAAAAAACG GTTTTGCCCCCGATGCCGTCTGAAACAAGATTGATTCAGTCGTGGAATCTGACTTTAAAC ATTCCAACCTTATCTCGTTAACTTGATATTTTGAAAAGGAAATGACATGAACAAAAACAT TGCTGCCGCTCTCGCCGGTGCTTTATCCCTGTCTTTGGCCGCCGGTGCAGTTGCTGCCAA CAAACCGGCAAGCAACGCAACAGGCGTTCATAAATCCGCCCATGGCTCTTTGCGGCGCGTC Caaatctgccgaaggttcgtgcggcgcggctggttctaaagcaggcgaaggcaaatgcgg CGAGGGCAAATGCGGTGCGACCGTAAAAAAACCCACAAACACACCAAAGCATCTAAAGC CAAGGCCAAATCTGCCGAAGGCAAATGCGGCGAAGGCAAATGCGGTTCTAAATAATCCCA TTTTTTAACAAGCACATCATTCTTTTGTGCCATCCGAACCGGGTAAAAATATGATTCAAC ACGCAGGCTTGGGCTACCGCCGCGACTTGGCGGAAGACTTTCTCTCGCTTTCCGAAAACA GCCCGATATGCTTTATCGAAGCCGCACCGGAAAACTGGCTGAAAATGGGCGGCTGGGCGC GCAAACAGTTTGACCGTGTGGCGGAACGGCTGCCGCTGGCGTTGCACGGATTGTCTATGT CGCTGGGCGGCAAGCACCGCTGGATACTGATTTGATAGACGGCATCAAAGAAATGATGC GCCGTTACGATTGCACGTTTTTCTCCGACCATTTGAGCTACTGCCACGACGGCGGTCATC TTTACGATTTGTTGCCGCTGCCCTTTACCGAGGAAATGGTGCATCATACGGCGCGCGTA TCCGCGAAGTGCAAGACCGTTTGGGCTGCCGCATCGCCGTGGAAAACACGTCCTACTATC TGCATTCCCCGCTTGCCGAGATGAACGAGGTCGAGTTCCTCAACGCCGTCGCACGTGAGG CCGATTGCGGCATTCATCTGGATGTGAACAATATCTACGTCAACGCCGTCAATCACGGTC TGCTGTCGCCGGAGGCTTTTTTGGAAAATGTGGATGCAGAGCGCGTGTGCTATATCCATA TGCCGACTGTTTGGGACTTGCTCGAACTTGCCTATGCCAAGCTGCCGACGATTCCGCCCA CCCTGTTGGAACGCGATTTTAATTTCCCGCCTTTTTCCGAACTCGAAGCCGAAGTCGCCA AAATCGCCGATTATCAAACGCGTGCCGGAAAGGAATGCCGCCGTGCAGCCTGAAACCTCC GCCCAATACCAGCACCGTTTCGCCCAAGCCATACGCGGGGGGGAAGCCGCAGACGGTCTG CCGCAAGACCGACTGAACGTCTATATCCGCCTGATACGCAACAATATCTACAGCTTTATC GACCGTTGTTATACCGAAACGCTGCAATACTTTGACCGCGAAGAATGGGGCCGTCTGAAA GAAGGTTTCGTCCGCGACGCGTGCGCCCAAACGCCCTATTTTCAAGAAATCCCCGGCGAG TTCCTCCAATATTGCCAAAGCCTGCCGCTTTTAGACGGCATTTTGGCACTGATGGATTTT TCAAATGACAGCAAATACACACCTTCCCCTGCGGCCTTTATCCGGCAATATCGATATGAT GTTACCGATGATTTGCATGAAGCGGAAACAGCCTTGTTAATATGGCGAAACGCCGAAGAT GATGTGATGTACCAAACATTGGACGGCTTCGATATGATGCTGCTAGAAATAATGGGGTTC TCCGCGCTTTCGTTTGACACCCTCGCCCAAACCCTTGTCGAATTTATGCCTGAGGACGAT AATTGGAAAATATTTTGCTTGGGAAATGGTCAGGCTGGACTGAACAAAGGATTATCATC CCCTCCTTGTCCGCCATATCCGAAAATATGGAAGACAATTCCCCGGGCCAAAACCATCTA TCCGCATAAAATTACCTTGTTCCCGATACTATGCCGCTACCCGACCTGACCGATGCCGAA TTAATAGAGTCGCGTAAACTGCTTCTGCATTTTGCGCGGGCTTCAGTTGCCCGACCACCCT GATTTGGCTGAAGATTTAGTGCAGGAAACATTGCTGTCCGCATACAGCGCAGGCGACAGT TTTCAAGGCAGGGCACTTGTCAACAGCTGGCTTTTTGCCATATTGAAAAACAAAATTATT GACGCATTACGTCAAATCGGAAGGCAGAGGAAAGTCTTTACCACACTGGATGACGAGCTA CTGGATGAAGCATTTGAAAGCCATTTTTCCCAAAACGGGCATTGGACGCAGGAAGGGCAG CCGCAACATTGGAACACTCCGGAAAAATCATTAAACAACAACGAATTCCAAAAAATTCTG CAAAGCTGCCTATACAAGCTGCCTGAAAACACCGCACGGGTATTTACCCTGAAGGAAATA CTCGGTTTTTCATCCGACGAAATACAACAAATGTGCGGTATCAGCACGTCCAACTACCAC ACCATTATGCACCGCGCCCGAGAATCATTGCGCCAATGCCTGCAAATCAAATGGTTCAAC CAAGAAAACCCGAAGTAAACGTTATGAAAAAATGCCGCGATATCGCCCTGCTTCTTTCCA TCTGTCCGTATTGCCGTGAATATAAAAGACAACTTCAAACCATCAAAAGATCACTGGCAA AAACAACCAGAACTTCAAAATAAATGCCGTCTGAAAAGGCTTCAGACGGCATAAGCTGAC GGAAACAAATCAAACCGATTTACTGTTATCTGCAGTTCATCCATAATACACACTTCAAAA GCAGCATATTTCCCCATACGGAATGTATAAATACGCAAAATACGAAGGCTGCATCAATTT GCCATATTTGCTTTATTTGCCTTATTTCACAGACGGCGCTACCCCTCCCGCCCAACCCGT TCTTTCTGAATGAGCAGATTTCAATGATTAAGGAAACCCTAATGCGCCCAATCTTCCTAT CTTTCGTTTTATTCCCTATTTTGATAACCGCCTGCAGCACACCGGACAAGTCTGCCCGAT TGAGAAAAACGGAAATCTGATGATTTTCCAAGATAAAAAAGTTGTTACCAATCTAAAAC AAGAACGTTTTGCCAACACCCCCGCATACAAGACTGCCATTGCCGAGTGGGAAATCCACT GCAACAACAAAACATACCGCTTAAGTTCGCTACAGTTGTTTGATACAAAAAACACGGAAA TTTCCACACAAAACTACACAGCCTCTTCCCTCCGCCCGATGAGCATCCTGTCCGGGACAT TAACCGAAAAACAATATGAAACCGTATGCGGAAAAAAACTCTGATTGCAACTTATACACA AACTTACCCACAAACCTTATCATAAAAATGCCGTCTGAAATACTGAAATATCAGCATTTC AGACGGCATTTTGCCATTCCCTGAAAATTATCCACAAAGTTATCCACATTATTTTTAAA ACCGGCTT CCATCCGAAATATAGTGGATTAACAAAAATCAGGACAAGGCGACGAAGCCGC AGACAGTA CAAATAGTACGGCAAGGCGAGGCAACGCCGTACTGGTTTAAATTTAATCCAC TATATAAA CTCGCTATACAATTTCACTATCCAAACGTAAATTGTTCCATTGATACACAAA ACTGCTTA CCCCCATAATTTTGATAAAGCATTTCTTACATTCCCGGCTCCGTCCCGTAAC CAACACAGCGGCGGATTCGCATTTGAAGTGCAACTTTCCCTAACAGAAAAAGGCCAGTAT GCGGTAGCATACGACCTTTCCTGCAAGAAAGATTGCCATGAGCTACACGCAACTGACCCA GGGCGAAC GATACCACATCCAATACCTGTCCCGCCACTGCACCGTCACCGAAATCGCCAA ACAGCTGA-ACCGCCACAAAAGCACCATCAGCCGCGAAATCAGACGGCACCGCACCCAAGG GCAGCAATACAGCGCCGAAAAAGCCCAGCGGCAAAGCCAGACTATCAAACAGCGTAAGCG ACAACCCTATAAGCTCGATTCGCAGCTGATTCAGCACATCGACACCCTTATCCGCCGCAA **ACTCAGTCCCGAACAAGTATGCGCCTACCTGTGCAAACACCACCAGATCACGCTCCACCA** CAGCACCATTTACCGCTACCTTCGCCAAGACAAAAGCAACGGCAGCACGTTGTGGCAACA TCTCAGAA TATGCAGCAAACCCTACCGCAAACGCTACGGCAGCACATGGACCAGAGGCAA AGTACCCAACCGTGTCGGCATAGAAAACCGACCCGCTATCGTCGACCAGAAATCCCGTAT CGGCGATT GGGAAGCCGACACCATTGTCGGCAAAGGACAGAAAAGCGCATTATTGACCTT GGTCGAACGCGTTACCCGCTACACCATCATCTGCAAATTGGATAGCCTCAAAGCCGAAGA CACTGCCCGGGCAGCTGTTAGGGCATTAAAGGCACATAAAGACAGGGTGCACACCATCAC CATGGATA ACGGCAAAGAGTTCTACCAACACACCAAAATAACCAAAGCATTGAAAGCGGA GACTTATTTTTGTCGCCCTTACCATTCTTGGGAGAAAGGGCTGAATGAGAACACCAACGG **ACTCATCCGGCAATACTTCCCCAAACAAACCGATTTCCGTAACATCAGTGATCGGGAGAT ACGCAGGGTTCAAGATGAGTTGAACCACCGACCAAGAAAAACACTTGGCTACGAAACGCC** AAGTGTTTTATTCTTGAATCTGTTCCAACCACTAATACACTAGTGTTGCACTTGAAATCC GAATCCAAGAGCCTCTAAAAAATAATCGCTTGTTTTGACACCGATACACTCATATAGTGG ATTAACAAAATCAGGACAAGGCGACGAAGCCGCAGACAGTACAAATAGTACGGCAAGGC GAGGCAACGCCGTACTGGTTTAAATTTAATCCACTATACAAATACAGAAACTCAAGAAAA TAACCTTGTGTATTGACCATCTCAAGCAATTCAGAAAATCAAGAAATTTTCTGACCGTA AACAAACGTTTCCCTAAAAAAACGATGTCTTCAAAAATATCGAACAAATAGAGACCTTTG CAAAAATAGTCTGTTAACGAAATTTGACGCATAAAAATGCGCCAAAAAATTTTCAATTGC CTAAAACCTTCCTAATATTGAGCAAAAAGTAGGAAAAATCAGAAAAGTTTTGCATTTTGA **AAATGAGATTGAGCATAAAATTTTAGTAACCTATGTTATTGCAAAGGTCTCAAATAATCA** TCTTCGGCGTTTTCATTTTTATGGATTAAAACAACACGGGAAAAATCTGTTTTCAGATGC TTGCCCGCTTGATTGTTCGGATTATTGTCCGGAACGACAAAACCGTCCTCAAAATTAAAG CAGACGTTGCGTCCTTCTACCTTTATCTCTGTGCAATAACAATCATGTAGAGAAATGCTA CACGCGCGTTTGCCTGCGCGGTTGCACGAAGTCGAGACCAAAGGCGTTTGCAAAGCCTGA CACAAGCGGCGCACCTACATGGGCGGGAACCCTGACCGCCAACTTGCTGCGCTGTTTC CATTCTTTCTAAGCATATCCTGAAGATTTTCAGACGCATTTGAAGTAAAGGCTGCAAT TGTTCAAATTGATTCCCGATGACAATCATACCCTTGTGTTGCGGTCTTTTTTTCAAATGC GCCAACTTACCGAGTGCTTTGGCTAATGTCGGAAGACACCCCAAGCCATAACAAGATTCG GTCGGAT AAGCGACCAAACCACCTTTTTTCAAATAAACGCTTAACTTACGTTGCGCTGAT **GCTGCGATAATTCTCGGAAATAACATAATATAAAATACCGTCTGAAGCACATTAGTCATA** CTTGGCTTCAGACGGCATCATCCTCTTTCTAATTAACGGTTAATCGCTTTATCGGCAATG TCTTTACGGTATTGCATCCCGTCGAAACTGATTTTTTCCAACGCGCCATATGCCTTAGCT AATACGTCACCTTTCTCGTTTGCCGTTGTACCTGCATGGAAAACTTTGCCGATTTGGTTG GCAGCATCCAGACCGGAAATAATATCGCCTTTTTTGGGCGTTTCGGGGTAATTTTGCGCC GCCAGTACCACGCCCACGGCAGTTTGCGGGCTCCATTCCGCGGTTACGCTATCGAGTTTG CCGTCTATTGCCGCTTCAACCAAATCCGATAAGTCGCTGTTCAGTCGGCTCATAATCGGC TGGGTTTCAGGATCGCCGAAACGGCAGTTAAACTCAATCGTATAGGGTGCACCGCTTTGA TCAATCATCAAACCTGCGTACAGGAAACCGGTGAACTCATGCCCCTCCGCTTTCATCCCT GCTACGGTCGGCAAAATAATTTCATTCATCGCGCGTTCGTACACAACAGGCGTTACCACA GCCGCAGGGCTGTACGCACCCATACCGCCCGTATTCAGACCTTTGTCGCCGTCTAAAAGA CGCTTGTGGTCTTGGCTGGTTGCCATAGGCAGTACATTATTGCCATCAACCATGACGATA AAACTCGCTTCTTCGCCTTGCAGGAAATCTTCAATTACAACACGCGCGCCGCATTGCCC ATTTTGTTGTCCAGCAGCATATCATCAATCGCAGCATGCGCTTCATCCAAAGTCATCGCC ACAATCACGCCTTTACCTGCCGCCAAACCATCGGCTTTGATAACGATAGGCGCACCTTTC TGATTGACGTAATCATGTGCGGCATCGGCGTTTTCAAAGGTTTGATATTGCGCGGTCGGA ATATTGTATTTCGCCATAAATGCTTTGGCGAAATCTTTGGAACTTTCCAACTGCGCCGCA TATTGTGTCGGACCGAATATTTTTAGTCCTGCAGCACGGAAATCATCCACAATACCTGCC GCCAAAGGCGCTTCAGGGCCGACGACGGTAAAAACAATATTTTCTTTACGACAGAATTCA ATCAAATCCTGATGCGCAGTCAAGTCGATGTTTTGCAACTTGGGTTCAATCGCTGTACCG **GCATTACCAGGCGCAACAAATACTGTTTCCACTTTAGGCGACTGCGCCAATTTCCAAGCC** AGCGCGTGTTCGCGACCGCCATTACCGATAACCAGCAGTTTCATACCATCTCCTTGACAA ATATGTACTTTTAACGAAAACTCGATACAAAGGGACTTTTATCCCATCTGAAGAAATTTT **AGTAGAATCAAACAAAAGACCGCTTCATTCCACTCTGCAACCTATTCAACTTATCCATAA ATTAAAAAAGGACAAGCAACCATGCAAAAACGTATTGATGAAATCCAAAGCAAATACCGC** GAATGGTGTCATTTACTACCGCAACTGGAAGAAGACATCCGCCGTTGGAAACATGTCGTC **ACTTTAATTCGCGACATGGACAATTTCTATACCCACGAGTATCAGGCGTGTCATCAGGCT** ATTGAAGACGGGGTAGAACTGGATTTGAGTACGGAAGGCGAATACAGCATTATGAGTGAA GATGCGCTATGGAACGCGCTGGGCGAATTCCATCAATTGGCTTGGTTATATTTGCGCTCC **AGCGTCGATGCCTTAGACAAATATACACAAGAAGATTAGTCAGCGAAGAGGTCGTCTGAA** ATACCATCACAAAGCATTTCAGACGACCTTTCATTCAAAAGGCTTTTCCGTATTTACTTC

Appendix A

AATCTGCCGAGTATTCTTCCAAGCCGCAACACAGGCCTCATAATTTACCAACGACAAACT GACCGTCAATCGGCAATCCAACTGCAAATCCCGCTCCAATATATCCGCCTGATATTGTTT GGCAATGCGTATCGCTTCATTCAAAAACGGATATTCACATTTCAGCCAAACAGTTTTTTC AATATTCTTTTCAACTACTTCTGCAACTGCCAACGCTTGAGCCGTCGCCTCTTTGTACGC ATGTATCAGACCTGGAACACCTAACAAAGTACCACCGAAATAGCGGACGACCACCAA AACGTCGGTAATACCCACCGAATCAATCTGTCCCAAAATTGGTCGTCCAGCACTTCCTGA TGGCTCTCCATCATCGTTGGCACGAAATTGCACACCATCCACACCCAAACGATAGGCATA GCACCAGTGTCGTGCTTTATGATGCTCTTCCTTTAACGGATCGAGGTATTTTTTCACATC AGCCAATGTCCGAATCGGATAGGCAAATGCAATAAAACGGCTGCCTTTATCTTTAAACTC AGCCTGCGTCAAGGAAGTAATGGTTTTATAAGTCGTAATCATGCTGAAATGTTTTCAGAC GACCTCATTAATAACAAGGTCGTCTGAAAGTTTCACGTGAAACATCAATTTTTCAATACT AAAATCGGCGCATCAGCATCTTTATTGATTGCAACAATCACCTTACTGTCTTGCATACCG GCAACGTGTTGAATTGCACCTGAAATACCGATTGCAAAATAGAGTTGCGGCGCAACCACT TTACCGGTTTGTCCGACTTGAGCATCGTTTGGCGCATATTCGGCATCAACTGCTGCACGG GATGCACCGATTGCCGCACCTAAAACATCCGCCAACGGTGTCAGCACTTCATTGAATTTT TCCGCACTACCCAACGCACGACCACCGGAAACAATCACTTTTGCCTGAGTCAGTTCAGGA CGATCGGAATGGGAAAGCTGACGGTTAACAAAACGACTCAGGTTTTGGGCAGGGGTTGCT TCAACATTAATTACCTCAGCATTACCACCTTGCGCCGCCACTGCGTCAAAAACCGTCGCA CGGAAGGTCAGCACCAATTTTTCTGAATCAGCTTGCACGGTTTCAAATGCATTACCCGCA TAAATGGGGCGCACAAAAGTCGTGTTATCCACAATTTCGGTCAAATCAGAAATTTGCGGT ACGTCTAATAAGGCTGCTACGCGGGGCAAAAGGTTTTTACCGAATGTGGTTGCCGTTGCT GCAACATAGCGGTAATCGGCCGCCAATTTAACAACCAGCGGAGCCAACTCTTCAGCCAAA CCTTCGGCATAATGAGCAGCATCTGCAACCAAAACTTTTTTCACCCCCGCTACTTGCTTC GCGAATTCCACTACAGCAGATGCGCCGTTTCCGGCAACCAATAAATCGACTTTGCCCAGT ACAATAATCAATACACTCATTTCAGCCTCCTCAAATCACTTTGGCTTCGTTTTTCAATTT AAATTTCACCGTTTTCAAACGAGGTGAAATGTCGGCAACCAAATCGTCAGGAGTCAGTTT TTCCAAAGGTTTTTTCTTTGCCGCCATAATATTGGGGAGTTTGACAAAGCGCGGCTCGTT CAAACGCAAATCCGCGCTGATAACAGCAGGCAGTTTCAATGCGATGGTTTCTTCGCCGCC ATCGATTTCCCGCACAATCTGCACTTCGTCGCCTTCAATTTGTACTTTGGACGCGAACGT ACCTTGCGCCGCATTCAGCAAAGCTGCCAGCATTTGCGCCACTTGATTGGCATCATCATC AATCGCTTGTTTGCCCAAAAAGAAAATTTGCGGATTTTCTTTGTCCGCAACGGCTTTCAG CAACTTAGCAACGGCCAGAGACTCCAGTTTAGTATCGGTTTCAACATGAATGGCACGGTC GGCACCCATCGCCAAAGCTGTACGCAAGGTTTCTTCGCATTTTTTCTCACCCAAAGAAAC CGCTACGATTTCGCTTACTTTTCCGGCTTCTTTCAAACGGACAGCTTCTTCCACAGCGAT TTCGTCAAACGGATTCATCGACATTTTGACATTGCCGATATCCACATCCGAACCATCGGC TTTTACACGAACTTTGACGTTGTAGTCCACTACGCGCTTTACTGCGACCAGTGCTTTCAT TGAACCCTCCTAAAAAGAACGCTGCTTTCACCATCCAGCGAAACCAAACCTTCTTCCCTA TAAAACCAAATCCGTTTTCCTTAAAAACGAATTCATTCAAAAATCTTTCGGATAATGCTT GCCGATTATACCATTTTTAAAGCATTTACTCAGACTAGCGGATATACATTCCTGTATCTA ATAAATTGGAAAATATCATGCCGCCATATCAGTTTTAGACGACCCTTTAGCCTTTATCTG CTGCAACACAATCCATCAGCGCTTGATAAACCAAATCTGCGGTCGGAATCTGCCCGATAT TGCCCAAATTTTTTGCAATTGGCGAAACCTGAACGCCTGTTTTAATCGGATCGGTATCGG TATAAATGCCGACCACAGGTTTTTCCAAGGCATTTGCCAAATGCAGCAAACCGGTATCCA ACCGCCAGTTTTCCACAGGCCATAACTTACTGTCCCGACTGGTCGCATGCAAAGCCGCAT AATACGGCTGCGCTAAATTTTTCAGACGGCCTGCTTCAGGAACAGTCAAGCCAAATACCT GCGTTTCCGGCATTACATACCCAAATACTTGGGCAAACAGTTCACGGTTGCGCCAAACGG CATTTTTTCCCTTCGGTACAGCGTATGTTTTTACATACGCCAAAGCAGCCCATCCCTCGC GCGCACTGTTTTTATCCAAACCACAAATCGGGGATTTTGCCATTTTAGCGAAACACGCGC TTTTAATCAGACCTTGACTGTCCAATACGAAATCAAATACTTCCTGCCGCAAAGTCTGTT TCAGATGACCCATTTCCCGCCAAGTTTCAGCCCGAAAGAGATGTTTGCGCCATTGCCGCC ATTTCATCACATGGATTTTTTTTACAAACGGATGCAGGCGCGCAATATCTGCAAATCCAG CCTCACATAGCCAATGCAGTTCTACATCAGGACATTGTCGCGCCAAATCTTCGATTGCGG GCAAAGTGTGAATTAAATCGCCCATACTAGACAAGCGGACAAGCAAAATTTTCATATTTA CATCAGCGTTTTTTAAGATGATTGCCCCAGCAGAATGCATTTCCTGCCATGCTGTTTCGA TGGTTTCCGGCGCAATACCCCGACAAGCCGCTTCATTGACGACAACCTGCCAACGACCGC CTTTGAGTAACTGCAAAACCGTTGTTTTAACACAATAATCCGTAGCTAACCCACCGATAA TAACCGTATCCGTATTTTGACAACGCAGCCATTCAATCAGCCCTGTGCTTAGTTTTTCCT CAATATCGTGAAAACACGCGCCGTAAGGATGCAATTCAGGATCAACACCTTTCCAAACGC AATAATCGTATTCTTTAGCAGAAGGCAGCCCGTCCAATAATTCATAGCCGCGCGTACCGA CCATCGCATGAGCCACCCAAGTCAAATCCGCATCAGGCAAACCTGTCGGCTTCAACATAT CAACAGGGTTATCCACAAGCCATTTCGCTACCATATGATGCGCATCTTTCGTCATCACGC GCAAATCCGCCAAAGCGGCTTGCGCATTCAACTCCTCGACAATCAAATGCCCCTCGTTCA CGGGCAGTTCGTCAGGACACAGTGGCGTAAACGTTTTTTGTGCATCAACATCAATGGAAA CAATCATCTCATTATTTCAACGCGATTAAAATGCCCTGTATTATAACAAATTACTGCCCA **AAAGCGGTAAAACCGATTGTGATAAGATAAGGTTTTTCCAAAAAACTTATCCACAACCTT** ATGACTTATACCATTACCCCCATCGGCACCGCCCGCTCGCCCTACAAACAGAAATTCGGC --ATCGCCCGCCAGCCCGGTTTGGTCTCCGCCCAAAAGCCTGCATCGAGCTGAATCCCAAA TTCACCGCAGACAGCGTGCGCGGGCTGGAAGATTTCGATTATGTGTGGATAAGTTTTATT

Appendix A

TCGCTCCTGAAACTCGAACGCATCGAAACCGGCAAACCCGTCCGCCTCTATTGCAGCGGC GCAGACCTGCTGGACGGCACACCGATTGTGGACATCAAACCTTATATCCCCTTTGTCGAA TCCAAACCCGATGCCGCATCCGGTTTCGTCAGCGGCAAACCCGTAGAGTTGGAAGTCGTT TGGCAGGAAAACATCGGCGCGGAAAATTTATCTGCAAACACCAAAAACCTTATCAGCCAA AGCATTGCCCAAGATCCGCGCCCCGCCTATCAGAATATTCCCGAACGGATTTATGTGATG AATATTGCAGATTACGAAGTCAGATTTCAAATCGAGGAAAACCGTGCAACCGTTATTGAT CTTTCCCCAACCCGCTTTAAATCGGGCAAAAATCCGGTTTTGCCGCATAGCAGTTGAAC AAACGGCTGTTGTTTGTTCGCCATAAGCCGCAATATCAAGTTATAGCGGATTAAATTTAA ATCAGGACAAGGCAACGAAGCCGCAGACAGTACAAATAGTACGGCAAGGCGAGATAACGC CGTACTGGTTTAAATTTAATCCACTATACAGATAAACAATGCCGTCTGAACGCAATGTGT TCAGACGGCATTTACTTATCCACAGGTTTGTTCAAGCCTTAGATTTTGCCTGCGAAGTAT TCCAAAGTGCGGACGAGTTGGCAGGTGTAGGACATTTCGTTGTCGTACCAGGCAACGGTT TTCACCAATTGTTTGCCGCCCACGGTCATCACGCGGGTTTGGGTCGCATCGAAGAGCGAG CCGTATTCGATGCCGACAACGTCGGAAGAAACGATTTGATCTTCGTTGTAGCCGTAAGAT TCGCTGGCGGCGCTTTCATCGCGGCGTTGATTTCTTCTTTGGTTACAGGGCGTTCGAGG ATGGAAACCAATTCGGTCAGCGAGCCGCTGGCAACAGGGACGCGTTGGGCGGAGCCGTCG AGTTTGCCGTTCAATTCGGGGATAACCAGACCGATGGCCTTGGCGGCACCGGTGCTGTTG GGCACGATGTTGAGCGCGGCGGCTCGGGCGCGCGCGCAAATCGCCTTTGCGGTGCGCGCG TCAAGGGTGTTTTGGTCGCCGGTGTAGGCGTGGATGGTGGTCATCAGACCTTCGACTACG CCGAACTCTTTTTGCAGGACTGCCGCCATCGGGGCAAGGCAGTTGGTGGTGCAGGAAGCG GCGGAGATAACGGTTTCGCTGCCGTCCAAAATGTCTTGGTTTACGCCATATACGACGGTT TTCACATCATTGCCGCCGGGTGCGGAAATCACGACTTTGCGCGCCCGGCCCTGATGTGT GCTTCGGCTTTGGTTTTATTGGTAAAGAAGCCGGTACATTCGAGGATGACATCCACACCC **AACTCGCCCCAAGGCAATTCTTCGGGATTCGGATTGGCAAAAACTTTGATCTCTTTGCCG** TTTACCACGATGGCATCGTCTTTTAATTCGGCAGTACCTTGGAAACGGCCTTGTGTGCTG TCGTATTTGAAAAGGTGCAGCAGCATTTCGGCAGGGGTCAGGTCGTTGACGGCGACGACT TCGATGTCGTGGGCTTTTTCAATTTGACGCAATGCGAGGCGGCCGATGCGGCCGAAACCG TTAATCGCTACTTTAATGCTCATGTATATACTCCAAGCTGTGAAACGAAATTTCAATACC TGTATTGTATTCTGAAATAAAGTTACATTCCACTATTACATCTAACTACTTGCCGCTTAT TTGATATAGATGAATTTTACTGTTTGCACAGATTTCCAAAACTTTTACCATCAATATTTG AATTTAAAATTTTAATGATGATTTTGATGATTGCCAACCTGCTTGTGCGTAAGTAGCAAA TATCCAATATTTTCATTACCTTTTTGTCAAATAAGTTTGAGTTTAAGACTTGCTGTATAA GACAGATAAGCGTGGATGTTTTTTGACTTAATAATATTTCTGTGGATAACTTTGCTGTTT TCCTAGTTGTCTCCACAACCTTATTGACAGGCTTACGGTCAGTCTCATTCCGTCGAAGAC AAAACCTTTTGCTACAATACCGTTTTCCTAATGATAAGGCAGCCCCATGTCCAAATCCGC CGTTTCCCCAATGATGCAGCAATACCTCGGCATCAAAGCGCAACATACCGACAAACTGGT GTTTTACCGTATGGGCGATTTTTACGAGATGTTTTTCGACGATGCGGTAGAAGCGGCAAA ACTTTTGGATATTACCCTGACCACGCGGGACAGGTGGATGGCGAGCCGGTCAAAATGGC AGGCGTGCCGTTTCACGCCGCCGAACAATATCTGGCGCGCCTGGTCAAGTTGGGCAAAAG CGTGGCGATTTGCGAACAGGTCGGCGAAGTCGGCGCGGGCAAAGGGCCTGTGGAGCGCAA AGTCGTGCGCATCGTAACGCCCGGCACGCTGACCGATTCCGCATTGCTGGAAGACAAGGA AACCAACCGCATCGTTGCCGTGTCCCCCGACAAAAAATACATCGGTTTGGCGTGGGCATC GCTGCAAAGCGGCGAATTCAAAACCAAGCTGACAACTGTGGATAAATTGGACGACGAACT GGCGCGCCTGCAGGCGGCGAAATTCTGTTGCCTGACAGTAAAAACGCACCGCAACTTCA GACGGCATCGGGTGTTACGCGCCTGAACGCGTGGCAGTTTGCCGCCGACGCGGGGGAAAA ACTGCTGACGGAATATTTCGGCTGCCAGGATTTGCGCGGCTTCGGTTTGGACGGCAAAGA ACACGCCGTTGCGATTGGCGCGGCAGGTGCACTGTTGAACTATATCCGTCTGACGCAAAA CCTGATGCCGCAACATTTGGACGGCCTGTCGCTCGAAACCGACAGCCAATATATCGGTAT GGATGCCGCCACGCGCCAATCTCGAAATCACGCAAACCCTCTCCGGCAAAAAATCGCC GACCCTGATGTCCACGCTCGACCTTTGCGCTACCCATATGGGCAGCCGCCTCTTGGCTCT CTGGCTGCACCACCCTTTACGCAACCGCGCCCACATCCGAGCGCGCCAAGAAGCCGTTGC CGCGCTGGAAAGCCAATACAAACCCCTCCAGTGCCGTCTGAAAAGCATTGCCGACATCGA CGACAGCCTGTTTGCCCTGTCCGAAATCGAATTGTCCGCCGAGTGCAGCAGTCTCTTAGG AACCCTCAAAGCCGTTTTCCCGGAAAACCTATCCACAGCCGAACAGCTCCGCCAAGCCAT TTTGCCCGAACCTTCCGTCTGGCTGAAAGACGGCAATGTCATCAACCACGGTTTTCATCC CGAACTGGACGAATTGCGCCGCATTCAAAACCATGGCGACGAATTTTTGCTGGATTTGGA AGCCAAGGAACGCGAACGTACCGGTTTGTCCACACTTAAAGTCGAGTTCAACCGCGTTCA CGGCTTTTACATTGAATTGTCCAAAACCCAAGCCGAACAAGCACCTGCCGACTACCAACG CCGGCAAACCCTTAAAAACGCCGAACGCTTCATCACGCCGGAACTGAAAGCCTTTGAAGA CAAAGTGCTGACTGCTCAAGAGCAAGCCCTCGCCTTAGAAAAACAACTCTTTGACGGCGT ATTGAAAAACCTTCAGACGGCATTGCCGCAGCTTCAAAAAGCCGCCAAAGCCGCCGCCGC GCTGGACGTGTTGTCCACATTTTCAGCCTTGGCAAAAGAGCGGAACTTCGTCCGCCCCGA GTTTGCCGACTATCCGGTTATCCACATCGAAAACGGCCGCCATCCCGTTGTCGAACAGCA GGTACGCCACTTCACCGCCAACCACCGACCTTGACCACAAACACCGCCTCATGCTGCT CACCGGCCCCAATATGGGCGGCAAATCCACCTACATGCGCCAAGTCGCGCTGATTGTTTT ATTGGCACACCCGGCTGTTTTGTGCCTGCCGATGCCGCCACAATCGGGCCCATCGATCA AATCTTCACCCGCATCGGCGCATCGGACGACCTCGCCTCCAACCGCTCCACTTTCATGGT CGAAATGAGCGAAACCGCCTACATCCTGCATCACGCCACCGAACAAAGCCTTGTTTTAAT GGACGAAGTCGGACGTGGTACTTCCACTTTCGACGGCCTCGCCCTCGCGCACGCCGTTGC CGAACACCTGCTGCAAAAAAACAAATCCTTCAGCCTGTTTGCTACCCACTATTTCGAGCT - GACCTACCTGCCCGAAGCCCACACCGCCGCCGTCAATATGCACCTTTCCGCGCTCGAACA GGGACAGGACATCGTTTTCCTGCACCAAATCCAACCGGGTCCCGCCGGTAAAAGCTACGG

Appendix A

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CATTGCCGTCGC CAAACTCGCCGGCCTGCCTGTACGCGCATTGAAATCCGCCCAAAAGCA
TTTGAACGGACT GGAAAACCAAGCCGCGCGAACCGTCCCCAACTGGATATTTCAGTAC
CATGCCGTCTGA AAAAGGAGATGAACCGAATCTGGGCAACTTTGTGGATAAAGCAGAGGA
AAACATTTTGA AGGTATATTTGCAGCAGCCTTGGAAAAACTCGATCCCGACAGCCTGAC
CCCGCGGAAGC ATTGTCAGAACTGTACCGTCTGAAAGATTTGTGCAAATCCGTATCTTA
ATTTCCGTTGTC GGAACAGCATCAAACCATATGGAAAAATCTGTGGATAAACATTATCTG
ACAGGAAATTTC CAAACATAAAAAATGCCGTCCGAACAGCTCAGACGGCATCCGTCCATT
CGGCT

Appendix B

NMB Open Reading Frames

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NMB0001 acetyltransferase, putative 491 3
NMB0002 hypothetical protein 890 498
NMB0003 glutamyl-tRNA synthetase 2305 914
NMB0004 EpiH/GdmH-related protein 3154 2513
NMB0005 arsenate reductase 3504 3154
NMB0006 thioredoxin-related protein 3628 4304
NMB0007 cell division ATP-binding protein FtsE 4304 4951
NMB0008 cell division protein FtsX, putative 4951 5865
NMB0009 BolA/YrbA family protein 5959 6204
NMB0010 phosphoglycerate kinase 7485 6277
NMB0011 UDP-N-acetylglucosamine 1-carboxyvinyltransferase 8819 7569
NMB0012 conserved hypothetical protein 10310 9342
NMB0013 conserved hypothetical protein 10792 10346
NMB0014 3-deoxy-D-manno-octulosonic-acid transferase 12104 10836
NMB0015 6-phosphogluconate dehydrogenase, decarboxylating 13615 12170
NMB0016 hypothetical protein 13911 14144
NMB0017 UDP-3-0-3-hydroxymyristoyl N-acetylglucosamine deacetylase 16137
         15217
NMB0018 pilin PilE 17734 17225
NMB0019 pilS cassette 18932 18513
NMB0020 pilS cassette 19646 19263
NMB0021 pilS cassette 20297 19914
NMB0022 pilS cassette 21157 20894
NMB0023 pilS cassette 21882 21466
NMB0024 pilS cassette 22474 22061
NMB0025 large pilS cassette 23489 22821
NMB0026 pilS cassette 23868 23594
NMB0027 FKBP-type peptidyl-prolyl cis-trans isomerase 24226 23900
NMB0028 hypothetical protein 24522 24307
NMB0029 glycerate dehydrogenase 24644 25594
NMB0030 methionyl-tRNA synthetase 27729 25675
NMB0031 glucosamine--fructose-6-phosphate aminotransferase (isomerizing)
         29683 27848
NMB0032 hypothetical protein 29959 30483
NMB0033 membrane-bound lytic murein transglycosylase A, putative 32229
         30907
NMB0034 conserved hypothetical protein 32440 33276
NMB0035 conserved hypothetical protein 33276 34439
NMB0036 conserved hypothetical protein 34706 35968
NMB0037 phnA protein 36372 36046
NMB0038 UDP-N-acetylglucosamine pyrophosphorylase 37817 36450
NMB0039 hypothetical protein 38144 37875
NMB0040 hydrolase, putative 38850 38140
NMB0041 ABC transporter, periplasmic solute-binding protein 38909 39907
NMB0042 conserved hypothetical protein 40004 40849
NMB0043 conserved hypothetical protein 40878 41360
NMB0044 peptide methionine sulfoxide reductase 43033 41468
NMB0045 signal recognition particle protein 43179 44441
NMB0046 hypothetical protein 44451 44672
NMB0047 conserved hypothetical protein 45072 45353
NMB0048 conserved hypothetical protein FRAMESHIFT 47969 48109
NMB0049 pilC2 protein FRAMESHIFT 48116 51279
NMB0050 conserved hypothetical protein 55173 53026
NMB0051 twitching motility protein 56685 55462
NMB0052 twitching motility protein PilT 57891 56851
NMB0053 conserved hypothetical protein 58011 58694
NMB0054 hypothetical protein 58697 59101
NMB0055 pyrroline-5-carboxylate reductase 59153 59941
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NMB0056 DnaK suppressor protein 60091 60504
NMB0057 hypothetical protein 66347 66700
NMB0058 hypothetical protein 66731 66885
NMB0059 dnaJ protein 66972 68090
NMB0060 conserved hypothetical protein 68289 70304
NMB0061 dTDP-6-deoxy-L-lyxo-4-hexulose reductase FRAMESHIFT 70923 69924
NMB0062 glucose-1-phosphate thymidylyltransferase 71828 70965
NMB0063 dTDP-D-glucose 4,6-dehydratase 72958 71894
NMB0064 UDP-glucose 4-epimerase 74093 73077
NMB0065 hypothetical protein 74476 75399
NMB0066 rRNA adenine N-6-methyltransferase 75687 76418
NMB0067 polysialic acid capsule biosynthesis protein SiaD, truncation
         77283 76609
NMB0068 polysialic acid capsule biosynthesis protein SiaC 78416 77370
NMB0069 polysialic acid capsule biosynthesis protein SiaB 79103 78420
NMB0070 polysialic acid capsule biosynthesis protein synX 80240 79110
NMB0071 capsule polysaccharide export outer membrane protein CtrA 80375
         81547
NMB0072 capsule polysaccharide export inner-membrane protein CtrB 81565
         82725
NMB0073 capsule polysaccharide export inner-membrane protein CtrC 82728
         83522
NMB0074 capsule polysaccharide export ATP-binding protein CtrD 83522 84169
NMB0075 transcriptional accessory protein Tex, putative 84236 86506
NMB0076 methyltransferase HphIm(C), FRAMESHIFT 86540 87539
NMB0077 site-specific DNA methylase, truncation 87529 87876
NMB0078 UDP-glucose 4-epimerase, truncation 87922 88575
NMB0079 dTDP-D-glucose 4,6-dehydratase 88694 89758
NMB0080 glucose-1-phosphate thymidylyltransferase 89824 90687
NMB0081 dTDP-4-keto-6-deoxy-D-glucose-3,6-epimerase 90729 91280
NMB0082 capsule polysaccharide modification protein LipA 91308 93419
NMB0083 capsule polysaccharide modification protein LipB 93559 94815
NMB0084 conserved hypothetical protein FRAMESHIFT 95185 96587
NMB0085 sodium/glutamate symporter 96808 98019
NMB0086 hypothetical protein 98121 99134
NMB0087 hypothetical protein 99148 99342
NMB0088 outer membrane protein P1, putative 101170 99773
NMB0089 pyruvate kinase II 102957 101488
NMB0090 IS1016 family transposase, putative FRAMESHIFT 103217 103857
NMB0091 hypothetical protein 104399 104632
NMB0092 hypothetical protein 104629 104853
 NMB0093 hypothetical protein 104856 104939
 NMB0094 hypothetical protein 105228 105413
 NMB0095 hypothetical protein 105423 105572
 NMB0096 hypothetical protein 105676 105843
 NMB0097 secretion protein, putative POINT MUTATION 105860 107344
 NMB0098 ABC transporter, ATP-binding protein FRAMESHIFT 107313 109396
 NMB0099 hypothetical protein 109624 109484
 NMB0100 hypothetical protein 109770 109627
 NMB0101 IS1016 family transposase, putative FRAMESHIFT 109850 110489
 NMB0102 hypothetical protein 110608 111123
 NMB0103 bacteriocin resistance protein, putative 111896 111405
 NMB0104 hypothetical protein 113073 112402
 NMB0105 PhnO-related protein 114197 113358
 NMB0106 aspartate carbamoyltransferase, catalytic subunit 114436 115353
 NMB0107 aspartate carbamoyltransferase, regulatory subunit 115366 115821
 NMB0108 hypothetical protein 115889 116551
 NMB0109 conserved hypothetical protein 117948 116620
 NMB0110 polypeptide deformylase 118018 118518
 NMB0111 methionyl-tRNA formyltransferase 118608 119531
 NMB0112 16S RNA methyltransferase 119613 120869
 NMB0113 hypothetical protein 120892 121431
 NMB0114 nitrogen regulation protein NtrY, putative 121434 123551
 NMB0115 nitrogen assimilation regulatory protein NtrX 123547 124821
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NMB0116 DNA processing chain A 124915 126105
NMB0117 smg protein, putative 126134 126592
NMB0118 DNA topoisomerase I 126667 128970
NMB0119 hypothetical protein 129741 129049
NMB0120 hypothetical protein 130312 129764
NMB0121 conserved hypothetical protein 130431 130805
NMB0122 conserved hypothetical protein 130897 131463
NMB0123 ferredoxin, 4Fe-4S bacterial type 131589 131837
NMB0124 translation elongation factor Tu 132257 133438
NMB0125 preprotein translocase subunit SecE 133638 133913
NMB0126 transcription antitermination protein NusG 133918 134451
NMB0127 50S ribosomal protein L11 134555 134986
NMB0128 50S ribosomal protein L1 134989 135681
NMB0129 hypothetical protein 135753 135893
NMB0130 50S ribosomal protein L10 135914 136411
NMB0131 50S ribosomal protein L7/L12 136472 136840
NMB0132 DNA-directed RNA polymerase, beta subunit FRAMESHIFT 137027 141208
NMB0133 DNA-directed RNA polymerase, beta' subunit 141368 145540
NMB0134 hypothetical protein 145835 146089
NMB0135 conserved hypothetical protein 146089 146235
NMB0136 30S ribosomal protein S12 146417 146785
NMB0137 30S ribosomal protein S7 146906 147373
NMB0138 elongation factor G (EF-G) 147395 149497
NMB0139 translation elongation factor Tu 149586 150767
NMB0140 30S ribosomal protein S10 150788 151096
NMB0141 transposase, truncation 151241 151603
NMB0142 50S ribosomal protein L3 151777 152418
NMB0143 50S ribosomal protein L4 152421 153038
NMB0144 50S ribosomal protein L23 153038 153349
NMB0145 50S ribosomal protein L2 153358 154188
NMB0146 30S ribosomal protein S19 154198 154473
NMB0147 50S ribosomal protein L22 154485 154811
NMB0148 30S ribosomal protein S3 154824 155513
NMB0149 50S ribosomal protein L16 155500 155913
NMB0150 50S ribosomal protein L29 155916 156104
NMB0151 30S ribosomal protein S17 156107 156367
NMB0152 50S ribosomal protein L14 156592 156957
NMB0153 50S ribosomal protein L24 156972 157292
NMB0154 50S ribosomal protein L5 157305 157841
NMB0155 30S ribosomal protein S14 157847 158149
NMB0156 30S ribosomal protein S8 158168 158557
NMB0157 50S ribosomal protein L6 158574 159104
NMB0158 50S ribosomal protein L18 159121 159471
NMB0159 30s ribosomal protein ,S5 159493 160008
NMB0160 50S ribosomal protein L30 160004 160186
NMB0161 50S ribosomal protein L15 160191 160622
NMB0162 preprotein translocase SecY subunit 160637 161944
NMB0163 translation initiation factor IF-1 161952 162167
NMB0164 50S ribosomal protein L36 162191 162301
NMB0165 30S ribosomal protein S13 162370 162729
NMB0166 30S ribosomal protein S11 162752 163144
NMB0167 30S ribosomal protein S4 163167 163784
NMB0168 DNA-directed RNA polymerase, alpha subunit 163813 164796
NMB0169 50S ribosomal protein L17 164823 165188
NMB0170 septum site-determining protein MinC 165338 166048
NMB0171 septum site-determining protein MinD 166079 166891
NMB0172 cell division topological specificity factor 166898 167158
NMB0173 transcriptional regulator, LysR family 167165 168082
NMB0174 valy1-tRNA synthetase 171252 168418
NMB0175 conserved hypothetical protein 172158 171352
NMB0176 D-amino acid dehydrogenase, small subunit 173595 172342
NMB0177 sodium/alanine symporter, putative 175065 173677
NMB0178 acyl-(acyl-carrier-protein) -- UDP-N-acetylglucosamine O-
        acyltransferase 176198 175425
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NMB0179 (3R)-hydroxymyristoyl-(acyl carrier protein) dehydratase 176734 176288 NMB0180 UDP-3-0-(3-hydroxymyristoyl)-glucosamine N-acyltransferase 177814 176771 NMB0181 outer membrane protein OmpH, putative 178347 177850 NMB0182 outer membrane protein Omp85 180806 178416 NMB0183 conserved hypothetical protein 182203 180866 NMB0184 1-deoxy-D-xylulose 5-phosphate reductoisomerase 183422 182241 NMB0185 phosphatidate cytidylyltransferase 184275 183481 NMB0186 undecaprenyl pyrophosphate synthetase 185024 184281 NMB0187 ribosome recycling factor 185637 185083 NMB0188 conserved hypothetical protein 186944 185820 NMB0189 hypothetical protein 187355 187774 NMB0190 glucose inhibited division protein B 187935 188555 NMB0191 ParA family protein 188657 189427 NMB0192 ribonuclease HII 191274 190693 NMB0193 glucose inhibited division protein A 193238 191346 NMB0194 amino acid symporter, putative 194991 193567 NMB0195 pyridoxal phosphate biosynthetic protein PdxA 195133 196137 NMB0196 ribonuclease E 200197 197441 NMB0197 hypothetical protein 200321 200605 NMB0198 ribosomal large subunit pseudouridine synthase C 200690 201679 NMB0199 lipid-A-disaccharide synthase 201730 202899 NMB0200 hypothetical protein 203501 203115 NMB0201 hypothetical protein 203724 204131 NMB0202 hypothetical protein 204152 204322 NMB0203 dihydrodipicolinate reductase 205207 204401 NMB0204 lipoprotein, putative 205594 205220 NMB0205 ferric uptake regulation protein 205813 206244 NMB0206 leucyl/phenylalanyl-tRNA--protein transferase 206317 207039 NMB0207 glyceraldehyde 3-phosphate dehydrogenase 208326 207298 NMB0208 ferredoxin, 4Fe-4S bacterial type 209364 208528 NMB0209 glutathione-regulated potassium-efflux system protein 209513 211486 NMB0210 site-specific DNA methylase, truncation 212082 212401 NMB0211 L-serine dehydratase 214093 212711 NMB0212 DNA gyrase subunit B 216580 214193 NMB0213 hypothetical protein 216736 217719 NMB0214 oligopeptidase A 217810 219843 NMB0215 conserved hypothetical protein 221035 220472 NMB0216 catalase 222945 221434 NMB0217 RNA polymerase sigma-54 factor RpoN, putative 223293 224141 NMB0218 glycosyltransferase 226194 225067 NMB0219 3-oxoacyl-(acyl-carrier-protein) synthase II 227746 226502 NMB0220 acyl carrier protein 228138 227905 NMB0221 dihydroorotate dehydrogenase 228370 229374 NMB0222 hypothetical protein 229540 230010 NMB0223 hypothetical protein 230140 230355 NMB0224 glutamate-ammonia-ligase adenylyltransferase 230556 233243 NMB0225 transposase, IS30 family FRAMESHIFT 234513 233551 NMB0226 conserved hypothetical protein 235470 234781 NMB0227 conserved hypothetical protein 236771 235581 NMB0228 conserved hypothetical protein 237637 236903 NMB0229 conserved hypothetical protein FRAMESHIFT 238552 237662 NMB0230 conserved hypothetical protein 239196 238552 NMB0231 hypothetical protein 239356 239255 N NMB0232 DNA helicase II 239380 241584 NMB0233 hypothetical protein 241663 241761 NMB0234 hypothetical protein 242111 242647 NMB0235 hypothetical protein 243052 242894 NMB0236 hypothetical protein 243168 243063 NMB0237 hypothetical protein 243535 243179 NMB0238 IS1016 family transposase, degenerate 243588 243849 NMB0239 hypothetical protein 244051 244668

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NMB0240 hypothetical protein 244694 246142
NMB0241 NADH dehydrogenase I, A subunit 246607 246960
NMB0242 NADH dehydrogenase I, B subunit 246954 247433
NMB0243 NADH dehydrogenase I, C subunit 247449 248039
NMB0244 NADH dehydrogenase I, D subunit 248032 249285
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NMB0729 integration host factor, alpha subunit 761333 761632
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NMB0734 hypothetical protein 765519 765992
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NMB0736 PTS system, nitrogen regulatory IIA protein 767100 767546
NMB0737 HPr kinase/phosphatase, putative 767551 768510
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 NMB1243 Holliday junction DNA helicase RuvB 1249892 1250920
 NMB1244 ribulose-phosphate 3-epimerase 1251674 1250949
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NMB1246 conserved hypothetical protein 1253294 1252434

NMB1245 hypothetical protein 1252367 1252035

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Appendix B

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NMB1247 riboflavin synthase, alpha subunit 1254006 1253305 NMB1248 molybdopterin-guanine dinucleotide biosynthesis protein A FRAMESHIFT 1254659 1254085 NMB1249 nitrate/nitrite sensory protein NarX, putative 1254901 1256670 NMB1250 transcriptional regulator, LuxR family 1256670 1257323 NMB1251 transposase, IS30 family 1258731 1257769 NMB1252 phosphoribosylformylglycinamidine cyclo-ligase 1259914 1258883 NMB1253 hypothetical protein 1260672 1261346 NMB1254 GTP cyclohydrolase II 1261342 1261932 NMB1255 glycosyl transferase, degenerate 1262256 1263263 NMB1256 GTP cyclohydrolase II/3,4-dihydroxy-2-butanone-4-phosphate synthase 1263728 1264816 NMB1257 site-specific DNA methylase, degenerate 1265357 1265130 NMB1258 conserved hypothetical protein 1267046 1265739 NMB1259 transposase, IS30 family 1267584 1268546 NMB1260 type III restriction-modification system EcoPI enzyme, subunit res 1271565 1268629 NMB1261 type III restriction-modification system EcoPI enzyme, subunit mod POINT MUTATION FRAMESHIFT 1273661 1271581 NMB1262 peptidyl-prolyl cis-trans isomerase 1274334 1273780 NMB1263 CobW-related protein 1275316 1274402 NMB1264 conserved hypothetical protein 1275771 1275502 NMB1265 conserved hypothetical protein 1276061 1275771 NMB1266 zinc uptake regulation protein, putative 1276582 1276109 NMB1267 low molecular weight protein tyrosine-phosphatase 1277108 1276656 NMB1268 conserved hypothetical protein 1278348 1277236 NMB1269 hypothetical protein 1279559 1278465 NMB1270 conserved hypothetical protein 1281272 1279644 NMB1271 mercury transport periplasmic protein, putative 1281584 1281375 NMB1272 hypothetical protein 1281765 1281625 NMB1273 alginate O-acetylation protein AlgI, putative 1282215 1283648 NMB1274 hypothetical protein 1283662 1284642 NMB1275 hypothetical protein 1284642 1286083 NMB1276 long-chain-fatty-acid--CoA ligase 1286122 1287672 NMB1277 transporter, BCCT family 1289792 1287768 NMB1278 site-specific recombinase 1290081 1292084 NMB1279 membrane-bound lytic murein transglycosylase B, putative 1293319 1292213 NMB1280 very long chain acyl-CoA dehydrogenase-related protein 1294948 1293524 NMB1281 transcription-repair coupling factor 1295133 1299269 NMB1282 aspartate 1-decarboxylase 1299421 1299801 NMB1283 2-dehydro-3-deoxyphosphooctonate aldolase 1299826 1300665 NMB1284 hypothetical protein 1300683 1301120 NMB1285 enolase 1301171 1302454 NMB1286 conserved hypothetical protein 1302471 1302746 NMB1287 ferredoxin, putative 1303080 1302793 NMB1288 ribonucleoside-diphosphate reductase, beta subunit 1304479 1303328 NMB1289 type II restriction enzyme, putative 1305706 1304522 NMB1290 C-5 cytosine-specific DNA-methylase 1306712 1305702 NMB1291 ribonucleoside-diphosphate reductase, alpha subunit 1309049 1306773 NMB1292 hypothetical protein 1309394 1309209 NMB1293 hypothetical protein 1309563 1309886 NMB1294 1-acyl-sn-glycerol-3-phosphate acyltransferase 1310967 1310203 NMB1295 formamidopyrimidine-DNA glycosylase 1311882 1311058 NMB1296 hypothetical protein 1312599 1311937 NMB1297 membrane-bound lytic murein transglycosylase D 1312778 1314751 NMB1298 ribosomal small subunit pseudouridine synthase A 1314822 1315511 NMB1299 sodium- and chloride-dependent transporter, degenerate 1316091 1317454 NMB1300 cytidylate kinase 1317701 1318354 NMB1301 30S ribosomal protein S1 1318513 1320195 NMB1302 integration host factor, beta subunit 1320209 1320520

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Appendix B

NMB1303 transcriptional regulator, MerR family 1321281 1320877 NMB1304 alcohol dehydrogenase, class III 1321402 1322535 NMB1305 esterase, putative 1322547 1323371 NMB1306 conserved hypothetical protein 1323765 1324913 NMB1307 nucleoside diphosphate kinase 1324975 1325397 NMB1308 conserved hypothetical protein 1325543 1326634 NMB1309 fimbrial biogenesis and twitching motility protein, putative 1326640 1327398 NMB1310 gcpE protein 1327417 1328679 NMB1311 hypothetical protein 1328970 1328737 NMB1312 ATP-dependent Clp protease, proteolytic subunit 1329655 1329128 NMB1313 trigger factor 1331148 1329838 NMB1314 cell division protein FtsK 1333791 1331356 NMB1315 uracil permease 1334014 1335222 NMB1316 hypothetical protein 1335289 1335726 NMB1317 hypothetical protein 1335865 1336266 NMB1318 CDP-diacylglycerol--serine O-phosphatidyltransferse 1336343 1337086 NMB1319 conserved hypothetical protein 1337090 1337860 NMB1320 50S ribosomal protein L9 1338540 1338091 NMB1321 30S ribosomal protein S18 1338787 1338560 NMB1322 primosomal replication protein n, putative 1339096 1338797 NMB1323 30S ribosomal protein S6 1339465 1339100 NMB1324 thioredoxin reductase 1340571 1339624 NMB1325 Cation transport ATPase, E1-E2 family 1340710 1342869 NMB1326 excinuclease ABC, subunit C 1342969 1344819 NMB1327 conserved hypothetical protein 1345045 1346445 NMB1328 conserved hypothetical protein 1346570 1347283 NMB1329 hypothetical protein 1347649 1347840 NMB1330 hypothetical protein 1348276 1347917 NMB1331 excinuclease ABC, subunit B 1350416 1348392 NMB1332 carboxy-terminal peptidase 1352229 1350748 NMB1333 conserved hypothetical protein 1354146 1352359 NMB1334 hypothetical protein 1354238 1354471 NMB1335 creA protein 1354474 1355031 NMB1336 conserved hypothetical protein 1355036 1355581 NMB1337 conserved hypothetical protein 1355577 1356029 NMB1338 isomerase, putative 1356698 1356045 NMB1339 prolyl-tRNA synthetase 1358473 1356764 NMB1340 hypothetical protein 1358924 1359151 NMB1341 pyruvate dehydrogenase, El component 1359167 1361827 NMB1342 pyruvate dehydrogenase, E2 component, dihydrolipoamide acetyltransferase FRAMESHIFT 1361979 1363583 NMB1343 hypothetical protein 1363680 1364114 NMB1344 pyruvate dehydrogenase, E3 component, lipoamide dehydrogenase 1364135 1365916 NMB1345 hypothetical protein 1367830 1366283 NMB1346 TonB-dependent receptor, putative FRAMESHIFT 1369731 1367957 NMB1347 extragenic suppressor protein SuhB 1370786 1370004 NMB1348 RNA methylase, putative 1371030 1371842 NMB1349 hypothetical protein 1371906 1372760 NMB1350 hypothetical protein 1372967 1373305 NMB1351 fmu and fmv protein, putative 1373656 1374909 NMB1352 hypothetical protein 1375272 1375703 NMB1353 aldehyde dehydrogenase family protein 1377097 1375757 NMB1354 conserved hypothetical protein 1377755 1377105 NMB1355 glutamyl-tRNA (Gln) amidotransferase subunit C, putative 1377906 1378193 NMB1356 Glu-tRNA(Gln) amidotransferase, subunit A 1378259 1379701 NMB1357 conserved hypothetical protein 1379701 1380630 NMB1358 Glu-tRNA(Gln) amidotransferase, subunit B 1380676 1382103 NMB1359 CDP-6-deoxy-delta-3,4-glucoseen reductase, putative 1382318 1383325 NMB1360 pyridoxamine 5-phosphate oxidase 1384090 1383461

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NMB1418 HtrB/MsbB family protein 1454563 1453697
NMB1419 crossover junction endodeoxyribonuclease RuvC 1455150 1454617
NMB1420 factor-for-inversion stimulation protein Fis, putative 1455392
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NMB1421 nifR3 protein 1456432 1455425
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 NMB1608 conserved hypothetical protein 1669600 1670349
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Appendix B

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NMB1157 hypothetical protein 1165696 1165541
NMB1159 conserved hypothetical protein 1167316 1166429, inner membrane
NMB1160 conserved hypothetical protein 1167316 1166429
NMB1166 conserved hypothetical protein 1171633 1170323 NMB1169 chaperone protein HscA 1174933 1173074
NMB1170 hypothetical protein 1175666 1175013
NMB1174 hypothetical protein 1178053 1177373
NMB1177 acetyl-CoA carboxylase, carboxyl transferase alpha subunit 1179887
          1178931
NMB1178 mesJ protein FRAMESHIFT 1181265 1179984
NMB1183 UDP-N-acetylmuramate:L-alanyl-gamma-D-glutamyl-meso-
          diaminopimelate ligase 1184700 1183327
NMB1184 biotin synthetase 1185959 1184910
NMB1186 hypothetical protein 1186881 1186729
NMB1188 dihydroxy-acid dehydratase 1189180 1187324
NMB1191 sulfate adenylyltransferase, subunit 1 1194246 1192963
NMB1193 phosphoadenosine phosphosulfate reductase 1195986 1195249
NMB1196 nickel-dependent hydrogenase, b-type cytochrome subunit 1198401
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C1 201/68 C12N15/11 C07K14/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, MEDLINE, EMBASE

Category °	Citation of document, with indication, where appropriate, of the relevant passages	
Category	Cliation of Occument, with indication, where appropriate, of the relevant passages	Relevant to claim No.
χ .	WO 98 17805 A (RAYMOND NIGEL ;QUINN FREDERICK D (US); US HEALTH (US); RIBOT EFRAI) 30 April 1998 (1998-04-30) the whole document	1-4, 7-14, 18-24
X	EP 0 467 714 A (MERCK & CO INC) 22 January 1992 (1992-01-22) claims; example 3	1-4, 7-14, 18-24
	-/	
		•
•	181	

Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
10 October 2000	1 9. 10. 00
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Luzzatto, E

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Helevant to daim No.
A	FLEISCHMANN R D ET AL: "WHOLE-GENOME RANDOM SEQUENCING AND ASSEMBLY OF HAEMOPHILUS INFLUENZAE RD" SCIENCE, US, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, vol. 269, no. 5223, 28 July 1995 (1995-07-28), pages 496-498,507-51, XP000517090 ISSN: 0036-8075 the whole document	1-4, 7-14, 16-24
Т	TETTELIN H ET AL: "Complete genome sequence of Neisseria meningitidis serogroup B strain MC58 'see comments!." SCIENCE, (2000 MAR 10) 287 (5459) 1809-15., XP000914963 page 963	
T	PIZZA M ET AL: "Identification of vaccine candidates against serogroup B meningococcus by whole- genome sequencing 'see comments!." SCIENCE, (2000 MAR 10) 287 (5459) 1816-20., XP000914964 the whole document	
Т	PARKHILL J ET AL: "Complete DNA sequence of a serogroup A strain of Neisseria meningitidis Z2491 'see comments!." NATURE, (2000 MAR 30) 404 (6777) 502-6., XP000918875 the whole document	

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 16,17 (partly) because they relate to subject matter hot required to be searched by this Authority, namely:
Rule $39.1(v)$ PCT - Presentation of information (insofar as related to computer databases)
2. X Claims Nos.: 5,6,15 (completely), 1-4, 7-14, 16-24 (partly) because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
Searchable daims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
·
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 5,6,15 (completely), 1-4, 7-14, 16-24 (partly)

- 1) Claims 5 and 6 (and thus 15 which refers to claim 6 and whose reference to claims 7 and 8 is wrong) lack any essential technical feature which could allow a meaningful search to be carried out. They have thus not been searched. For the same reason claims 18-24 have not been searched insofar as referring to any of claims 5, 6 and 15.
- 2) Claims 1-4, 7-14, 16-24 have only been searched insofar as related to the full sequence SEQ ID 1 in view of the absence of any indication in the claims as to searcheable SEQ IDs corresponding to the "NMB open reading frames". SEQ ID 1 as such is not searchable by means of similarity algorithms since it is too long: the search with respect thereto has thus been carried out based on keywords.
- 3) A further reason for not searching claims 1-4 insofar as related to "NMB open reading frames" is that claim 1 is unclear (Art. 6 PCT). It relates to a method for searching open reading frames "within one or more...NMB open reading frames", which is however technically meaningless.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

PCT/US 00/05928.

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